

# **A risk-based decision-making game relevant to water management. Try it yourself!**

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2013. This game was prepared by Louise Crochemore (IRSTEA), Florian Pappenberger (ECMWF), Schalk Jan van Andel (UNESCO-IHE), Maria-Helena Ramos (IRSTEA) and Andy Wood (NOAA).

If you use this game, the authors would be grateful for feedback on your usage and results so as to help improve future versions of the game and justify further development efforts. Special thanks to Kevin Werner (NWS), a key designer of the original game on which this one is based.

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This game is part of HEPEX activities: [www.hepex.org](http://www.hepex.org)

**START**

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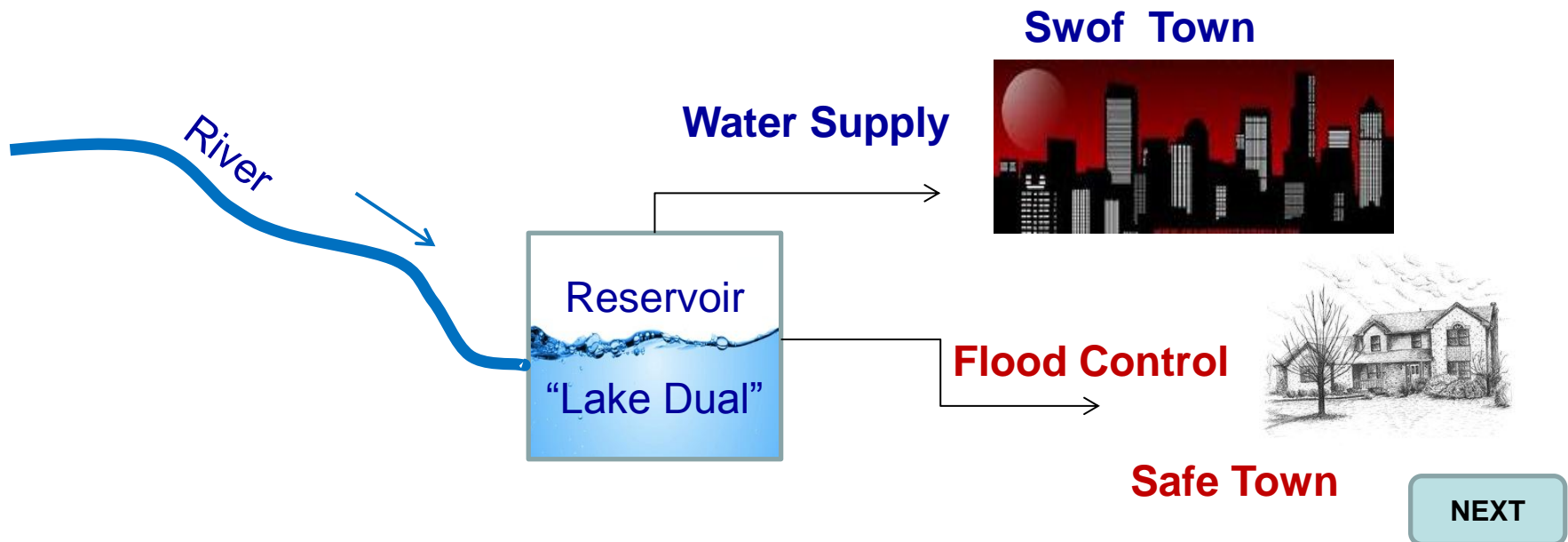
**General instructions: use full screen mode. Always click on the appropriate links in each slide.  
Do not use Page Up, Page Down or arrow keys for scrolling.**

# Water management game: **instructions**

You are the newly appointed **water manager** for Lake Dual

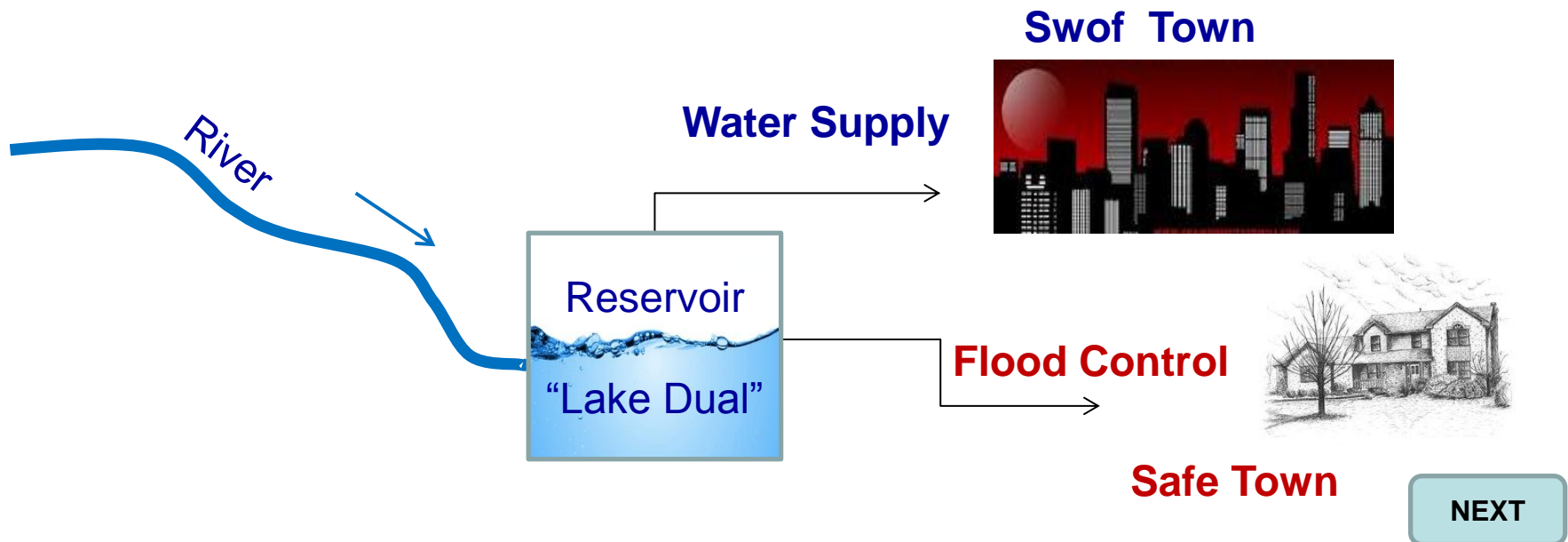
It is a reservoir that serves two primary functions:

1. Water supply for **Swof Town**
2. Flood control for **Safe Town**



# Water management game: **instructions**

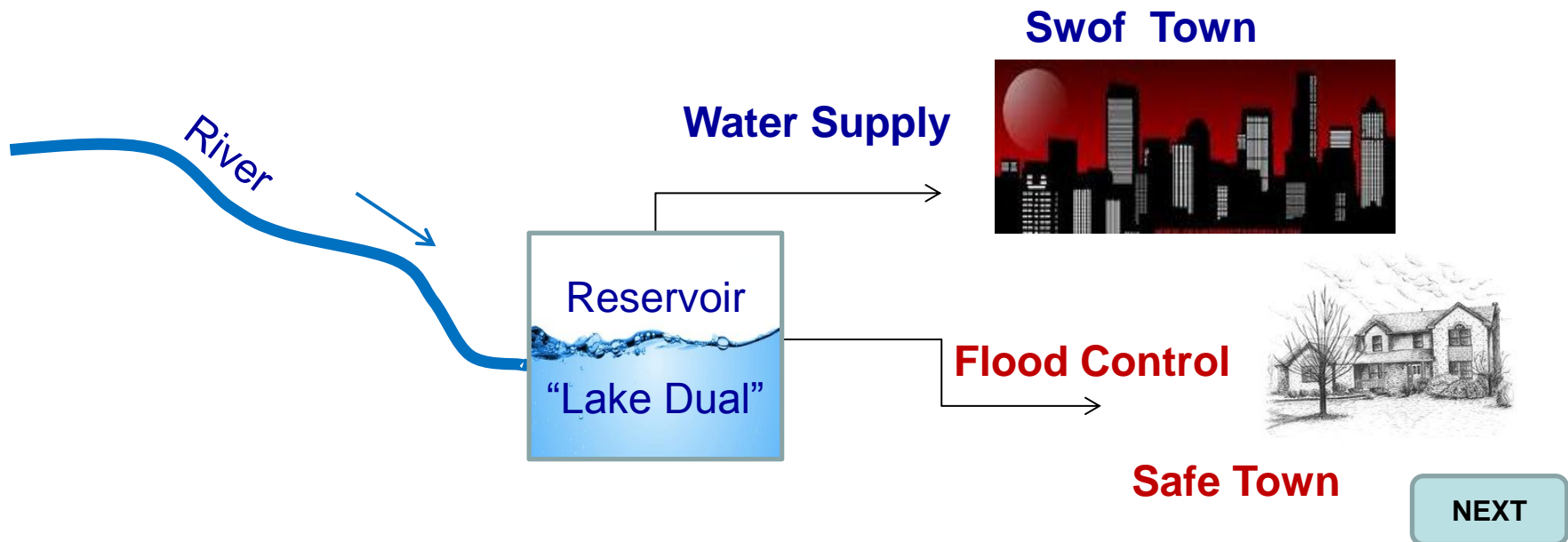
1. **Swof Town:** would like to see the reservoir full on August 1<sup>st</sup> (500 Mm<sup>3</sup>) so that its residents can count on water all summer.
2. **Safe Town:** residents are interested in keeping releases below 60 Mm<sup>3</sup> each month (anything more causes flood damage to their homes)



# Water management game: **instructions**

You are going to be the **water manager** for Lake Dual during the season running **from April to August**:

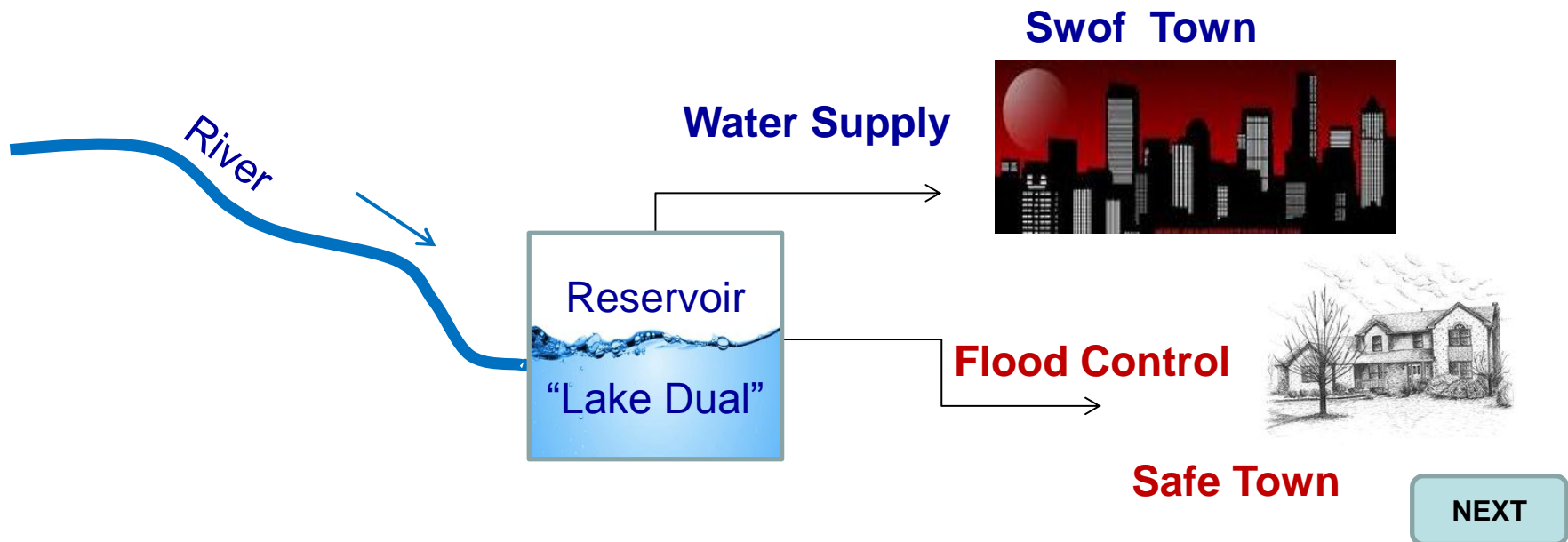
- you will be presented with **probabilistic forecasts** of inflows, and
- at the beginning of each month you have to **decide on the reservoir releases** for the remaining months.



# Water management game: **remember!**

- your aim is to have the reservoir level as close as possible to **500 Mm<sup>3</sup>** on August 1<sup>st</sup>, but you can **never exceed** this level.
- You have to maintain a **minimum release of 15 Mm<sup>3</sup>** for environmental flow and your **maximum release cannot exceed 60 Mm<sup>3</sup>**.

If you fail to meet these constraints, you will be fired! The **WINNER** of the game is the manager that has the highest level on August 1<sup>st</sup> (but < 500 Mm<sup>3</sup>)



# Water management game: **worksheet**

**You have a worksheet to mark your decisions!**  
**Remember to return it after the game!**

**NOW LET'S DO AN EXAMPLE BEFORE WE START !**

A risk-based decision-making game relevant to water management

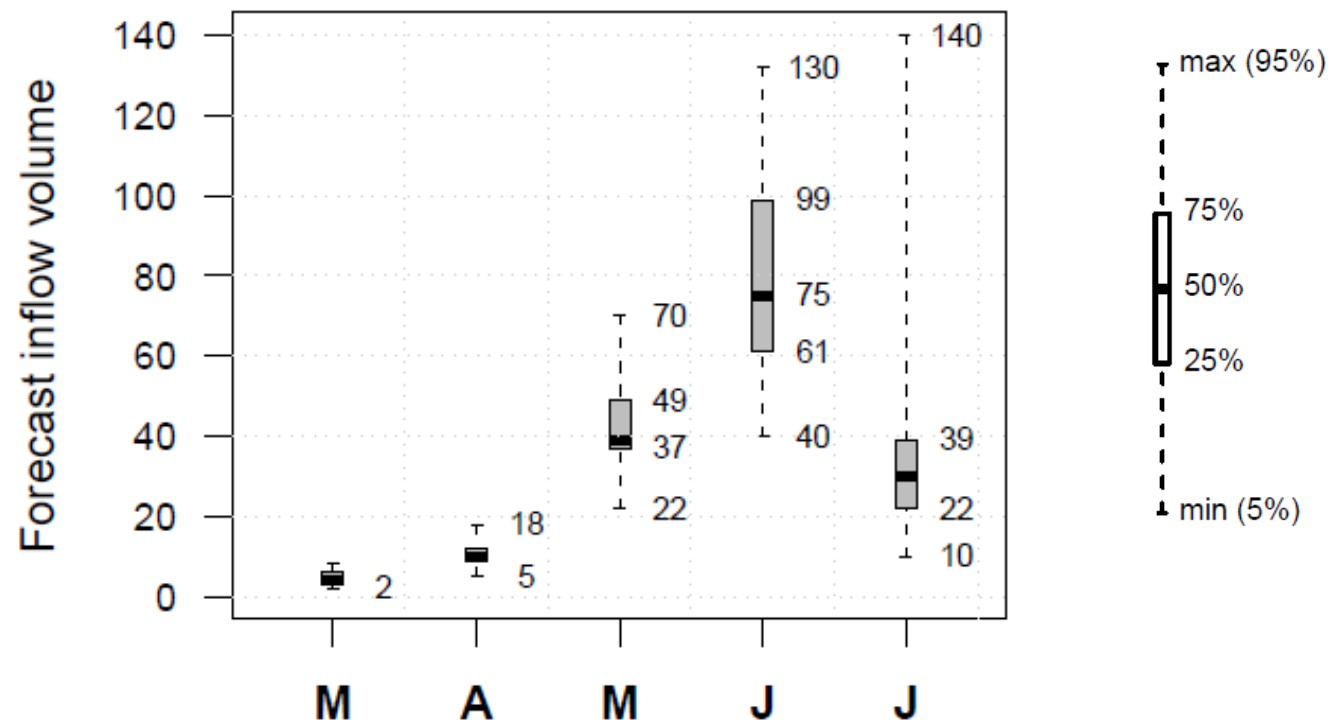
Try it yourself!				
	Your release schedule $15 \leq \text{release} \leq 60$	The actual Inflow of the month (Mm <sup>3</sup> )	Your initial reservoir volume for the next forecast :	Did you overtop the reservoir? (reservoir > 500)
<b>EXAMPLE :</b> <i>It's 1<sup>st</sup> March</i> Median inflow over the previous 30 years: 4 Mm <sup>3</sup>	March : 15  April : 30  May : 60  June : 30  July : 15	5	$460 + 5 - 15 =$  450	No, I still have my job <input checked="" type="checkbox"/> X Yes, I got fired <input type="checkbox"/>
<i>It's 1<sup>st</sup> April</i> Median inflow over the previous 30 years: 12 Mm <sup>3</sup>	April : ____  May : ____  June : ____  July : ____	____	$450 + \text{____} - \text{____} =$  ____	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>
<i>It's 1<sup>st</sup> May</i> Median inflow over the previous 30 years: 52 Mm <sup>3</sup>	May : ____	____	$\text{____} + \text{____} - \text{____} =$	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>

**NEXT**

# Water management game: **example**

Its March 1<sup>st</sup>:  
this is the probabilistic forecast of inflows  
issued on March 1<sup>st</sup> for the next months

**ESP Forecast on: March 1**



NEXT

# Water management game: **example**

You have to decide on your releases for all the next months...

Mark the releases in your worksheet!

A risk-based decision-making game relevant to water management

Try it yourself!				
	Your release schedule $15 \leq \text{release} \leq 60$	The actual Inflow of the month (Mm <sup>3</sup> )	Your initial reservoir volume for the next forecast :	Did you overtop the reservoir? (reservoir > 500)
<b>EXAMPLE :</b> <i>It's 1<sup>st</sup> March</i> Median inflow over the previous 30 years: 4 Mm <sup>3</sup>	March : 15 April : 30 May : 60 June : 30 July : 15	5	$460 + 5 - 15 =$  450	No, I still have my job <input checked="" type="checkbox"/> X Yes, I got fired <input type="checkbox"/>
<i>It's 1<sup>st</sup> April</i> Median inflow over the previous 30 years: 12 Mm <sup>3</sup>	April : ____ May : ____ June : ____ July : ____	____	$450 + \text{____} - \text{____} =$  ____	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>
<i>It's 1<sup>st</sup> May</i> Median inflow over the previous 30 years: 52 Mm <sup>3</sup>	May : ____	____	$\text{____} + \text{____} - \text{____} =$	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>

NEXT



# Water management game: **example**

At the end of the month, you will be informed of the actual inflow

And you can update your reservoir volume for the next month

March has gone by.

March inflow was:  $5 \text{ Mm}^3$

The March release was:  $15 \text{ Mm}^3$

The volume on April 1st is therefore:

$$460 \text{ Mm}^3 + 5 \text{ Mm}^3 - 15 \text{ Mm}^3 = 450 \text{ Mm}^3$$



NEXT

# Water management game: **example**

Update your worksheet and check if you still have a job!

You're ready to go to the next forecast and decision

March has gone by.

March inflow was:  $5 \text{ Mm}^3$

The March release was:  $15 \text{ Mm}^3$

The volume on April 1st is therefore:

$$460 \text{ Mm}^3 + 5 \text{ Mm}^3 - 15 \text{ Mm}^3 = 450 \text{ Mm}^3$$

making game relevant to water management

Try it yourself!

		The actual Inflow of the month ( $\text{Mm}^3$ )	Your initial reservoir volume for the next forecast :	Did you overtop the reservoir? (reservoir > 500)
	June : 30 July : 15	5	$460 + 5 - 15 =$ 450	No, I still have my job <input checked="" type="checkbox"/> Yes, I got fired <input type="checkbox"/>
It's 1 <sup>st</sup> April Median inflow over the previous 30 years: $12 \text{ Mm}^3$	April : ____ May : ____ June : ____ July : ____	____	$450 + \text{____} - \text{____} =$ ____	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>
It's 1 <sup>st</sup> May Median inflow over the previous 30 years: $52 \text{ Mm}^3$	May : ____	____	$\text{____} + \text{____} - \text{____} =$	No, I still have my job <input type="checkbox"/> Yes, I got fired <input type="checkbox"/>

NEXT

# Water management game: **let's play!**

Worksheets shall be used to indicate your own releases

**To represent the group....**



**We need a VOLUNTEER !**

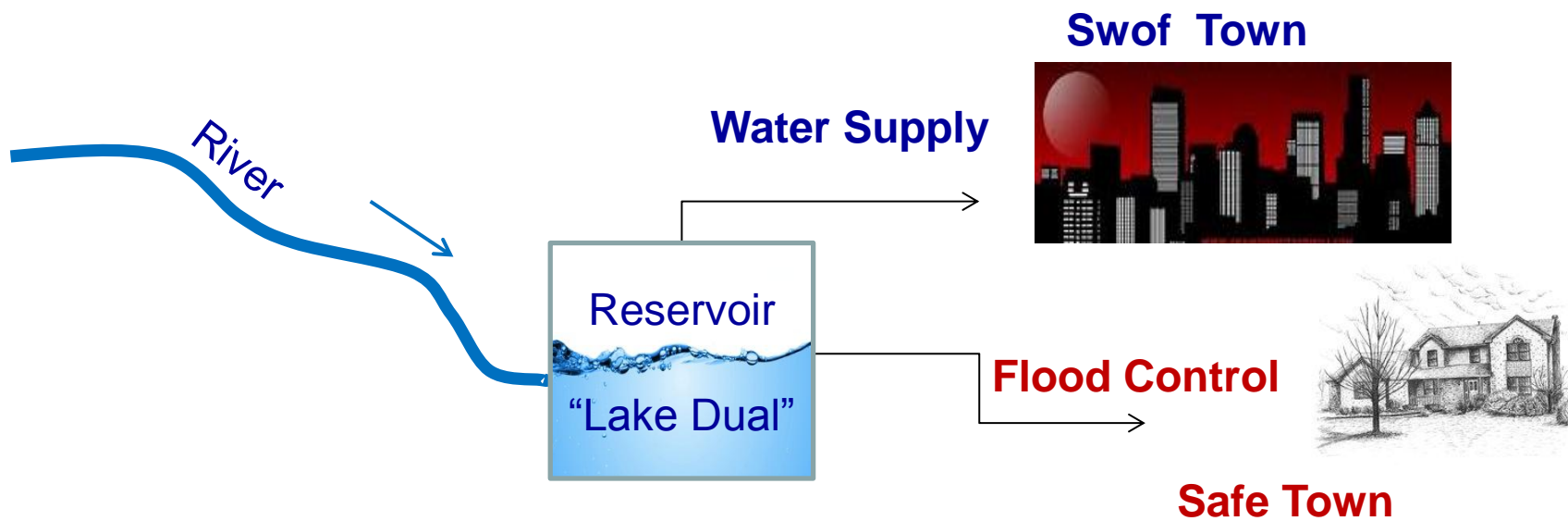
**Who in the room?**



NEXT

# Water management game: **let's play!**

**Game Start**



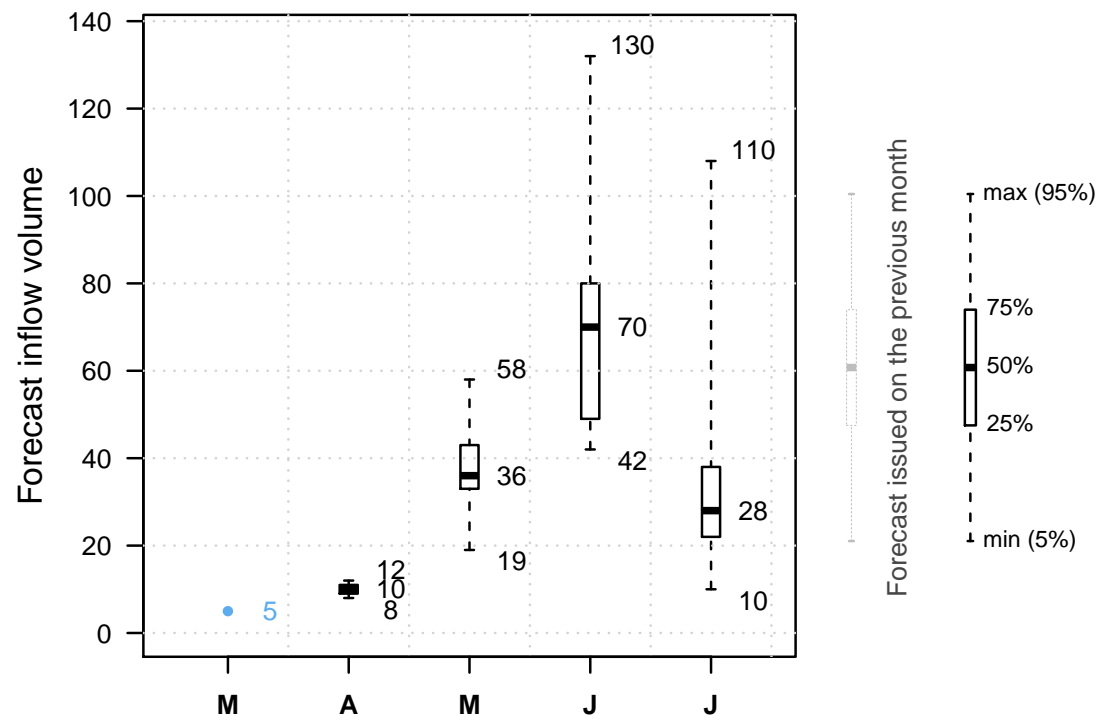


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

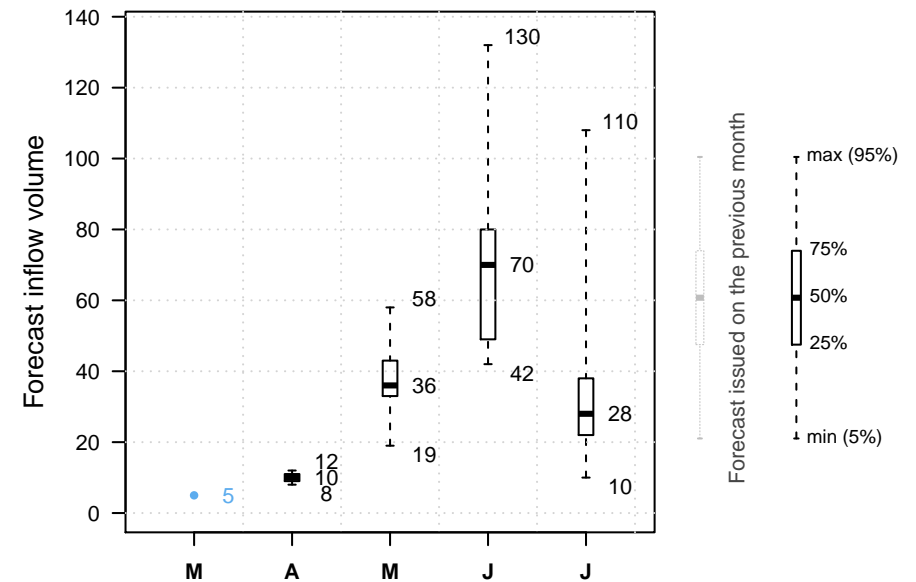
NEXT



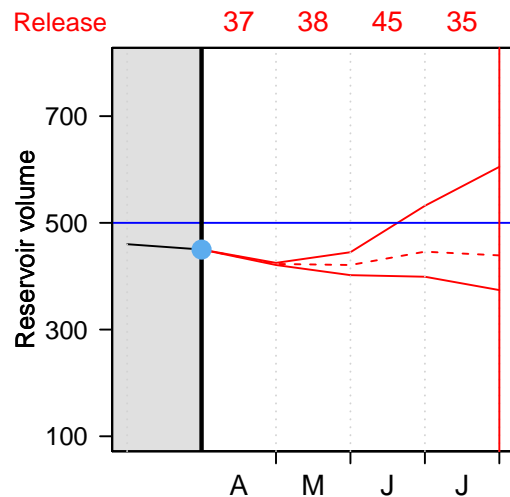
It is April 1st.

And our volunteer?

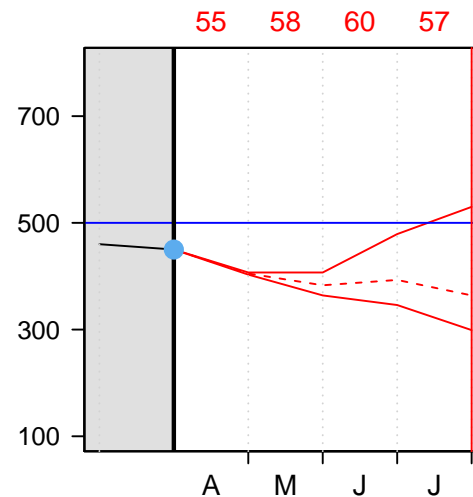
Let's see which release option our volunteer will choose.



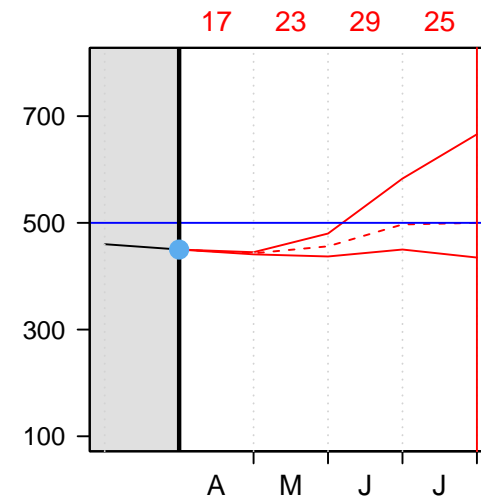
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

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April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

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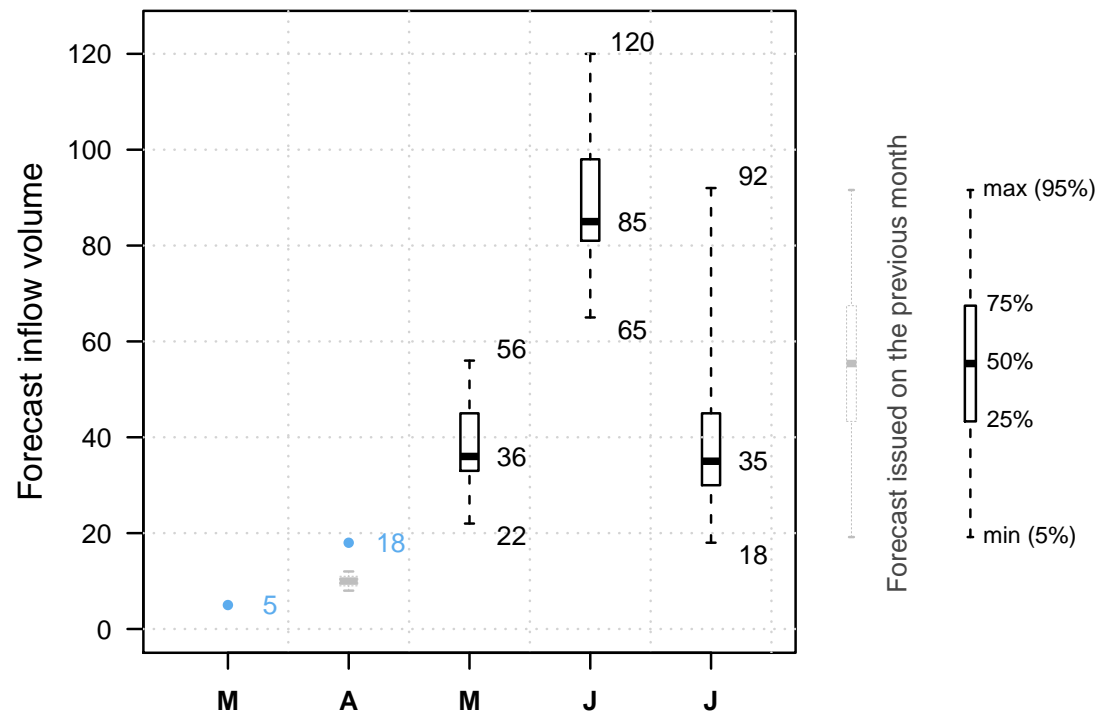


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

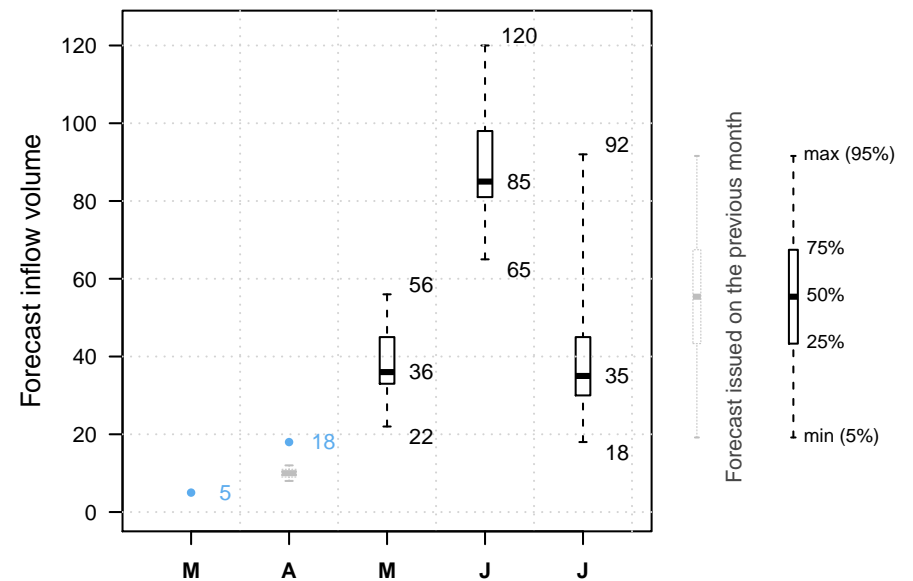
Previous decisions: A



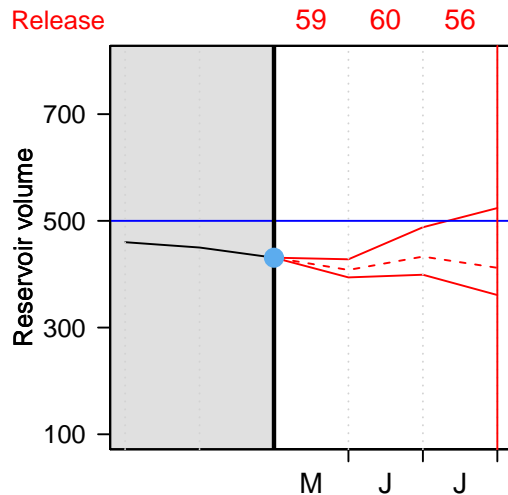
It is May 1st.

And our volunteer?

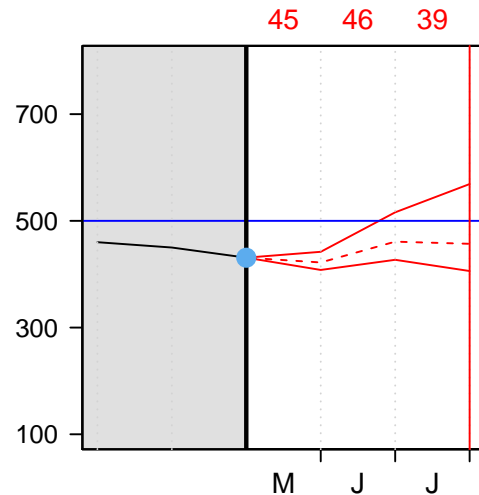
Let's see which release option our volunteer will choose.



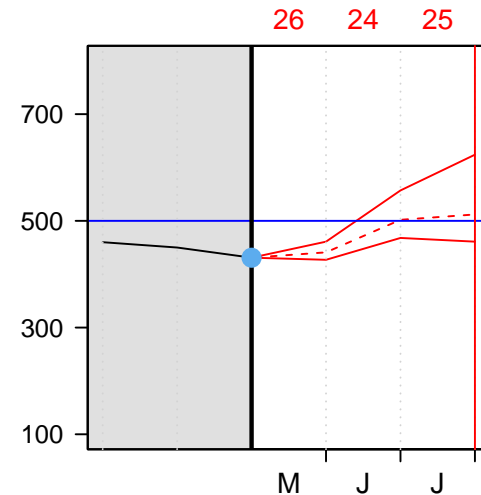
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

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May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

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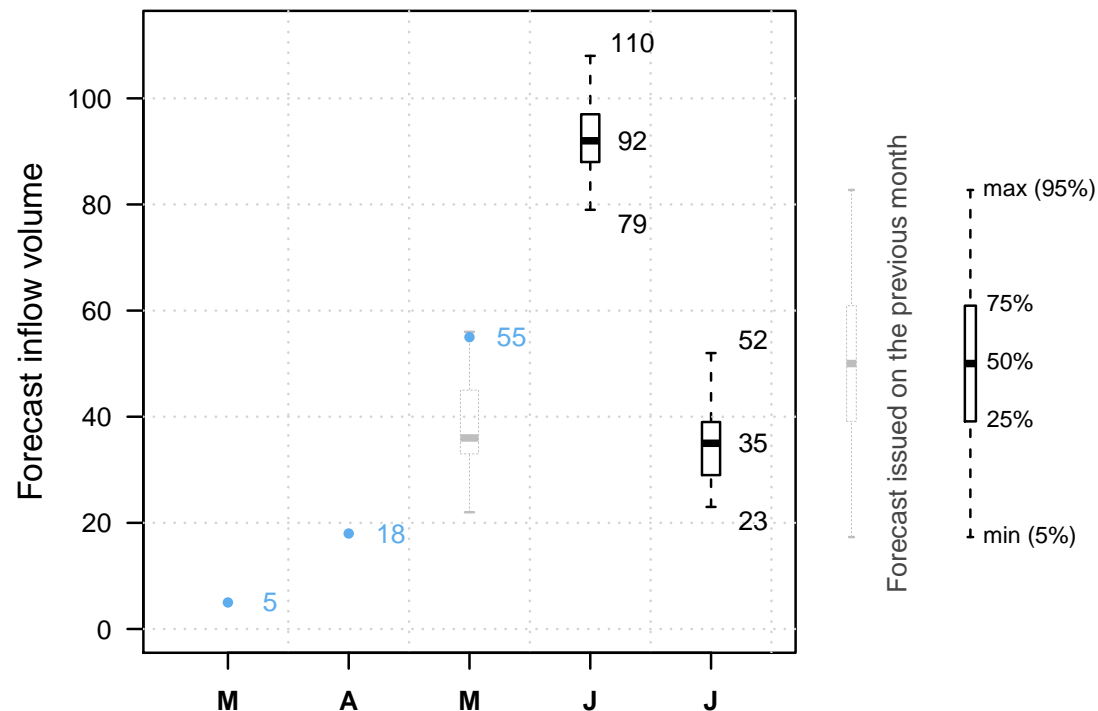


It is June 1st.

The reservoir is at 427  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

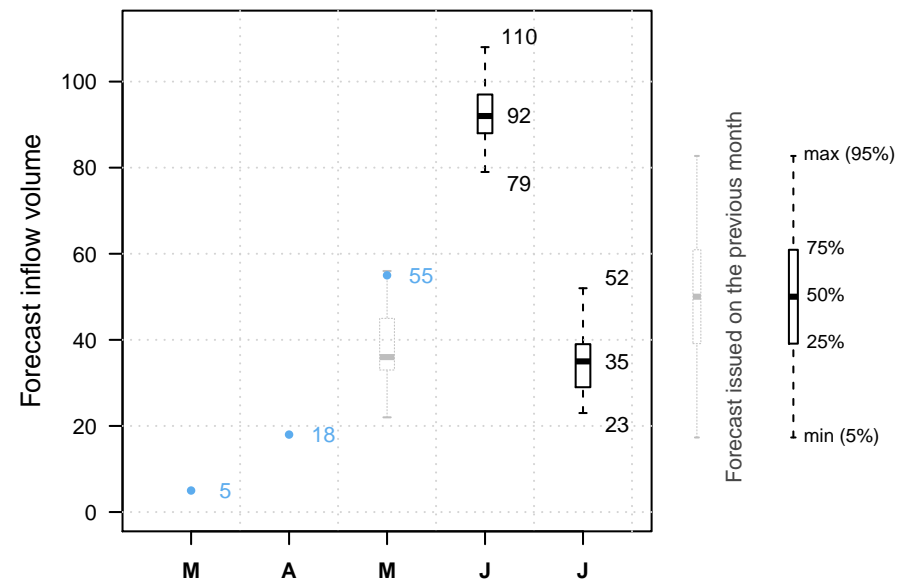
Previous decisions: A A



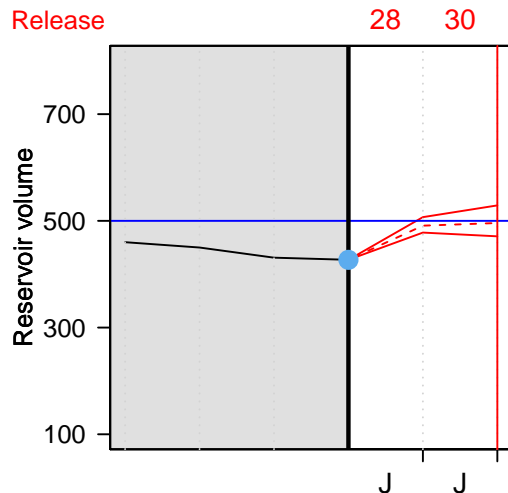
It is June 1st.

And our volunteer?

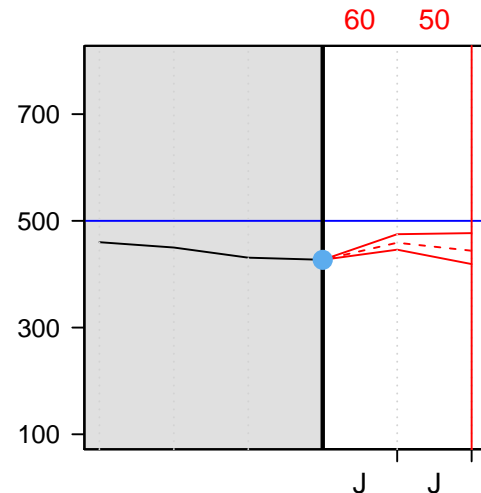
Let's see which release option our volunteer will choose.



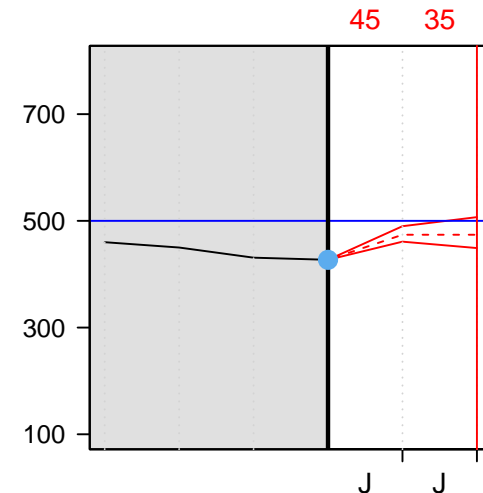
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 519 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

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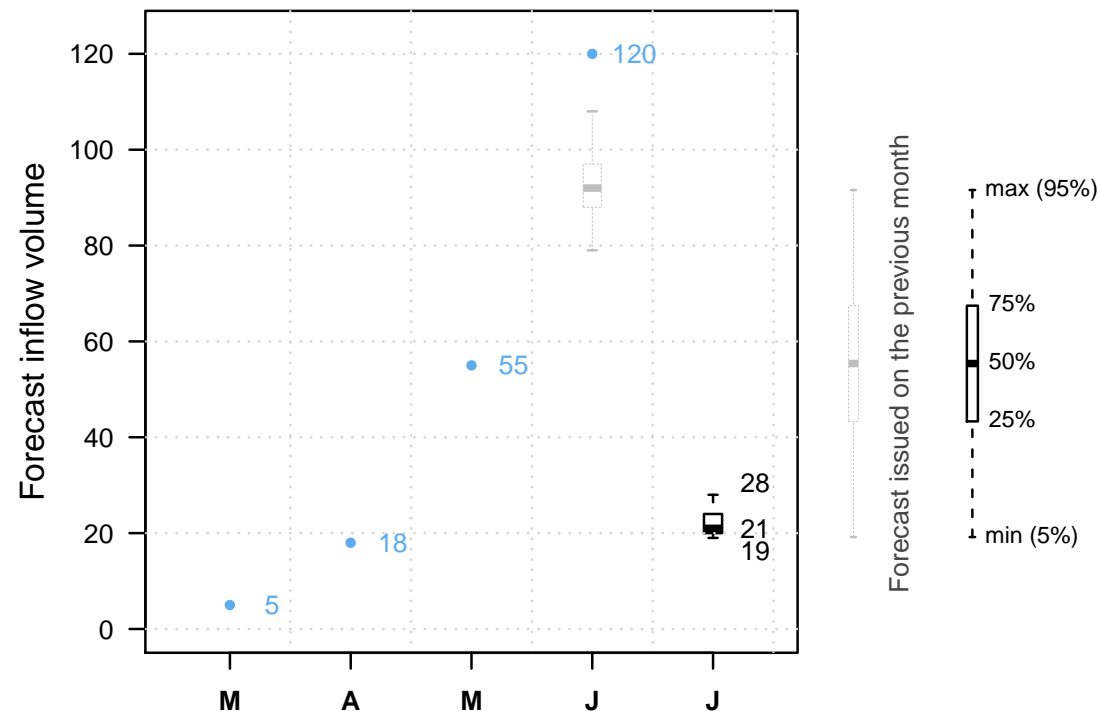


It is July 1st.

The reservoir is at 519  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

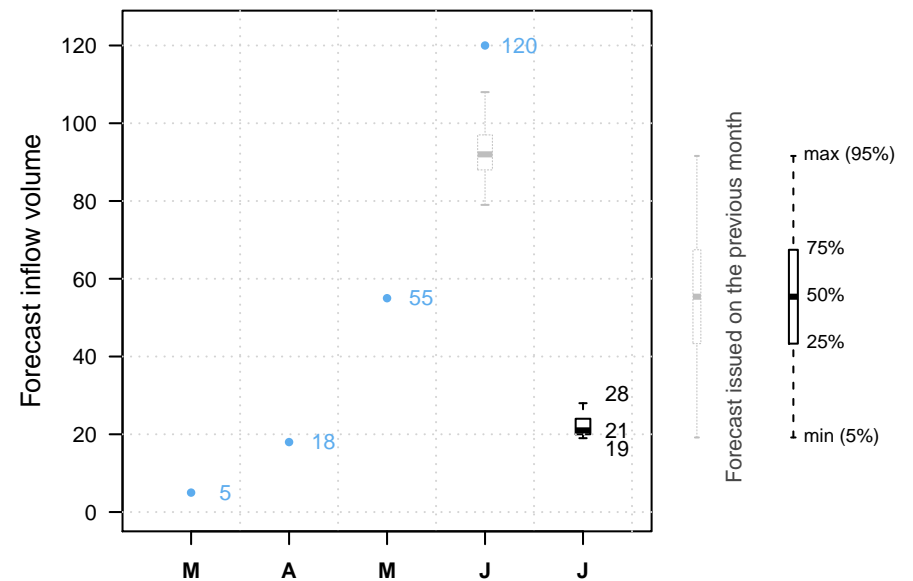
Previous decisions: A A A



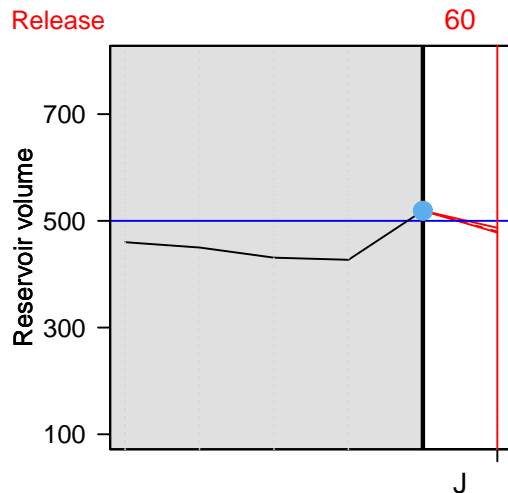
It is July 1st.

And our volunteer?

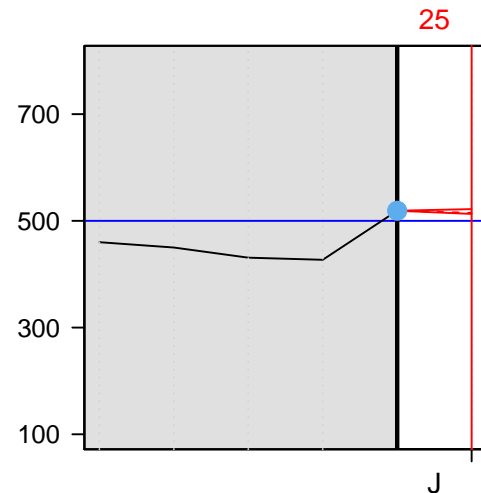
Let's see which release option our volunteer will choose.



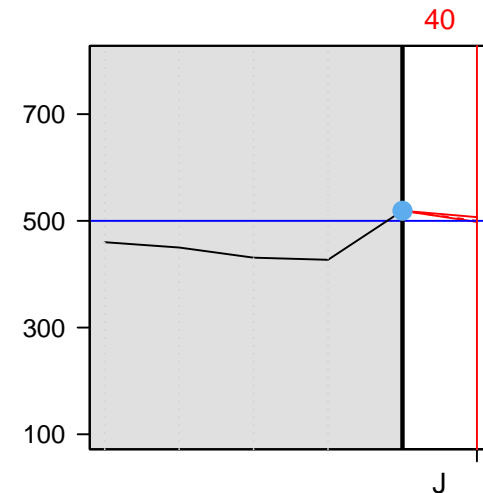
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

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July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$519 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 481 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

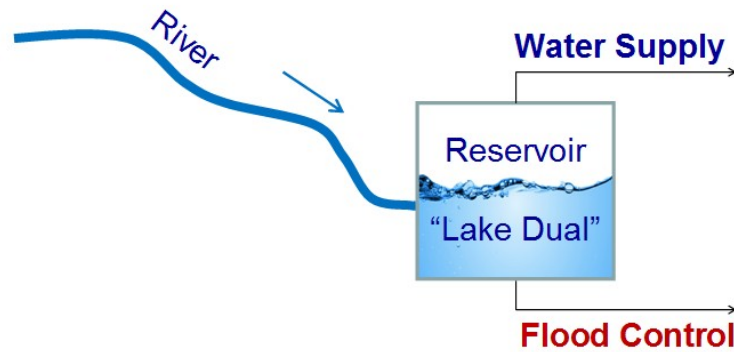
NEXT

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# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



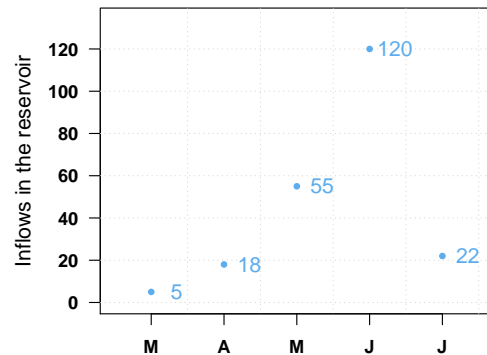
Swof Town



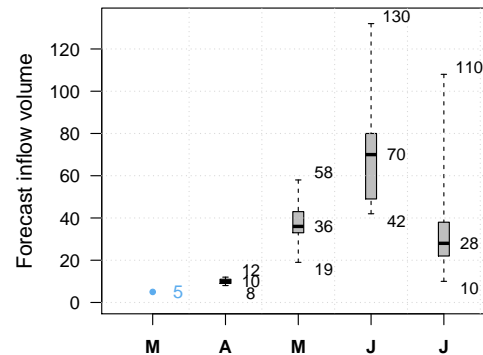
Safe Town



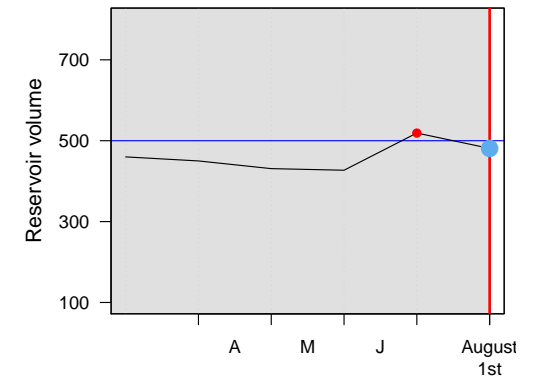
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

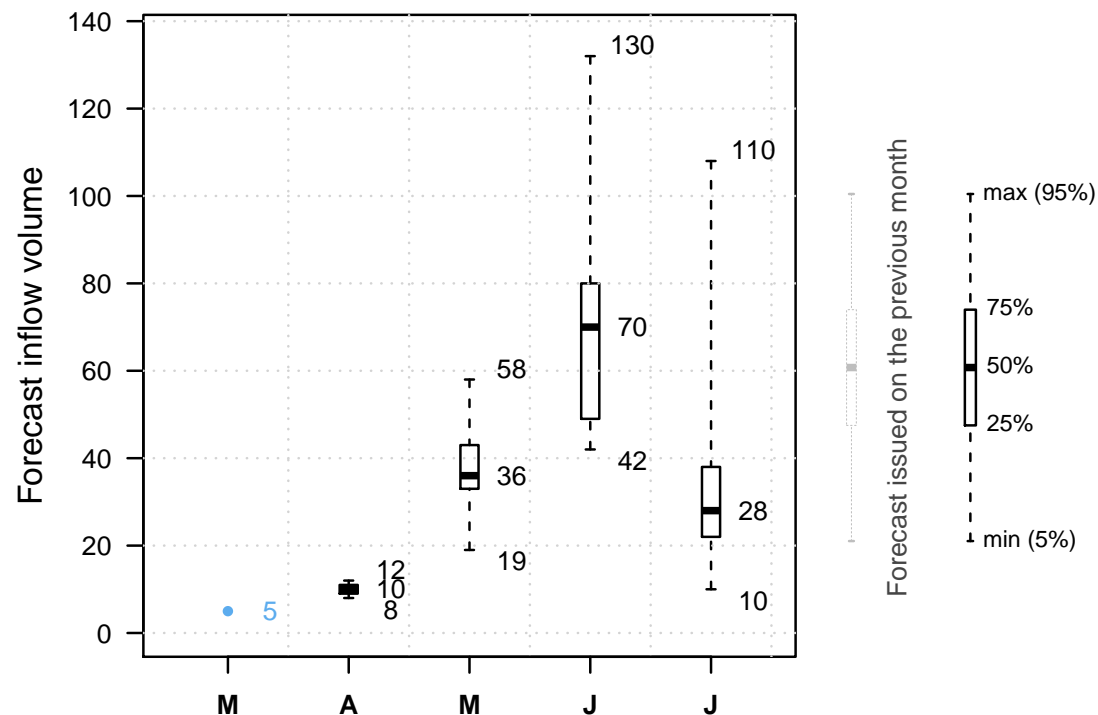


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

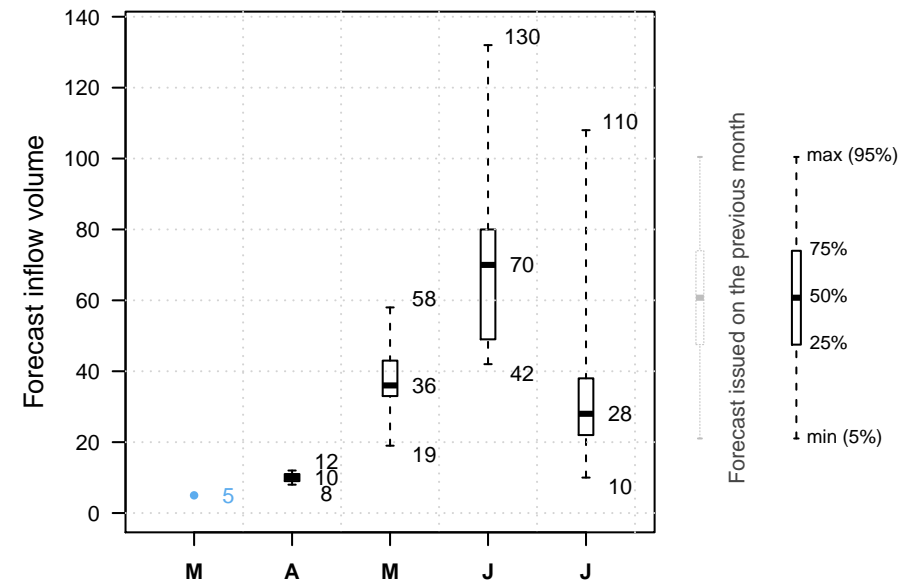
NEXT



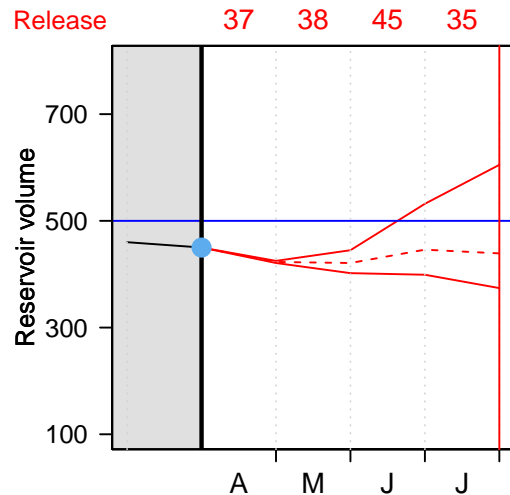
It is April 1st.

And our volunteer?

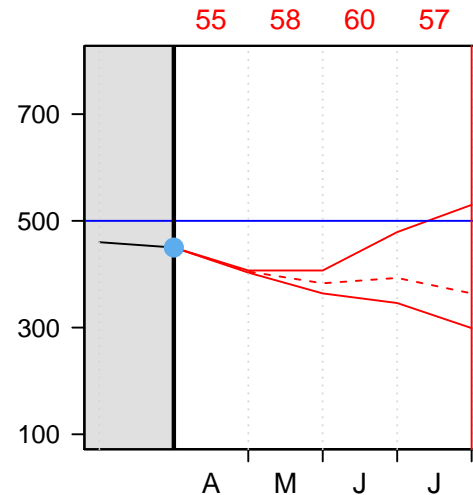
Let's see which release option our volunteer will choose.



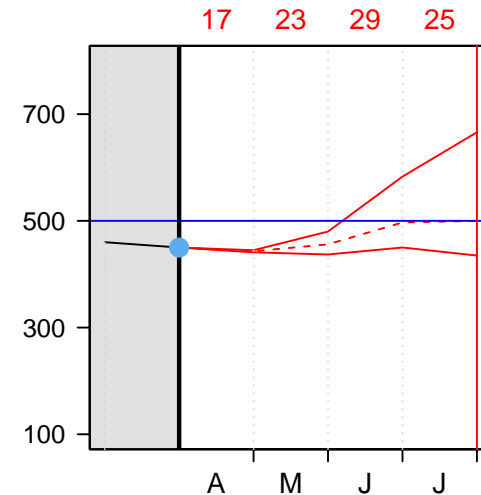
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

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---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

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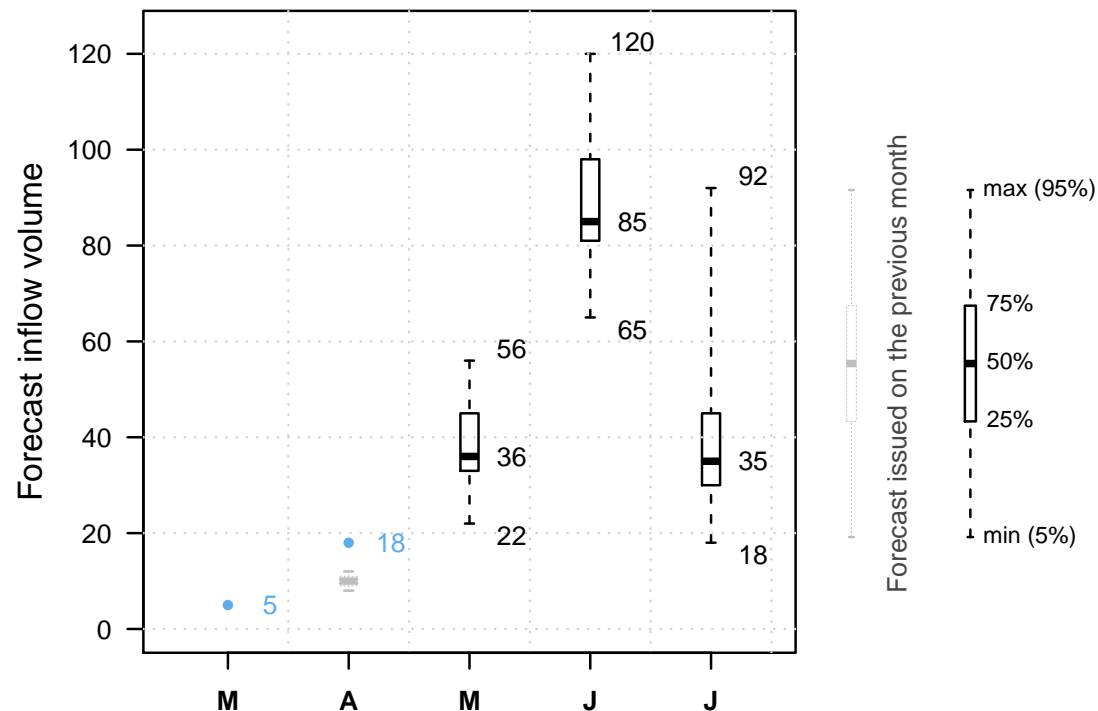


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

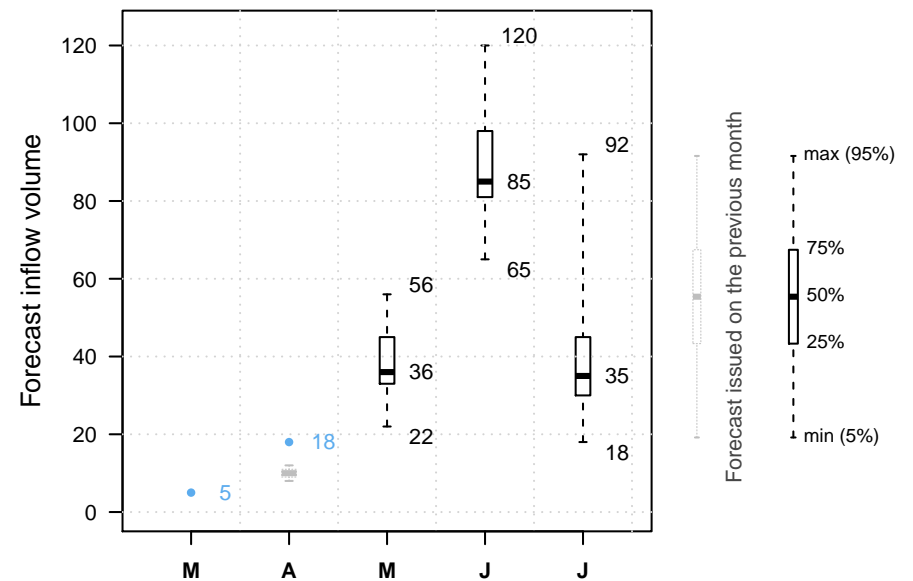
Previous decisions: B



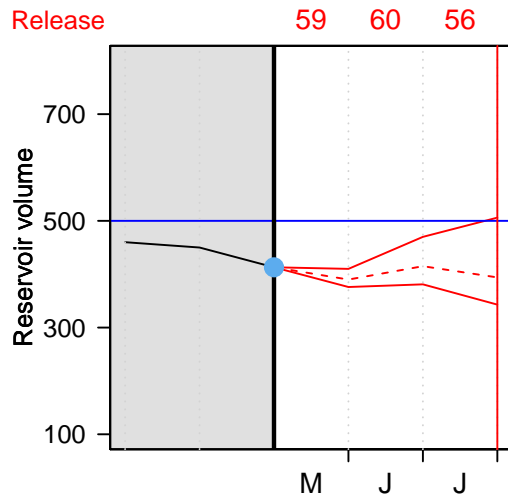
It is May 1st.

And our volunteer?

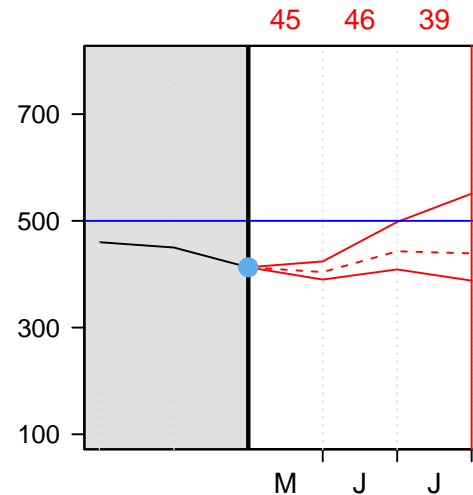
Let's see which release option our volunteer will choose.



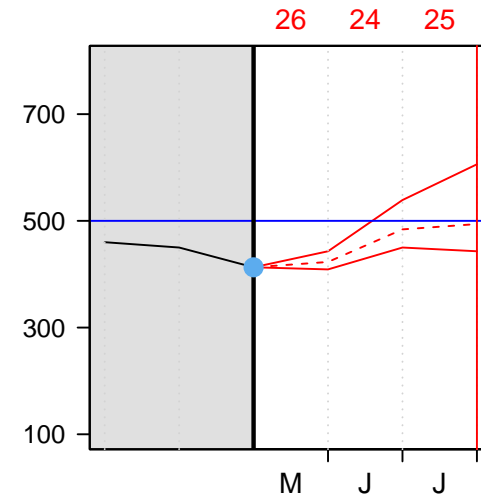
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

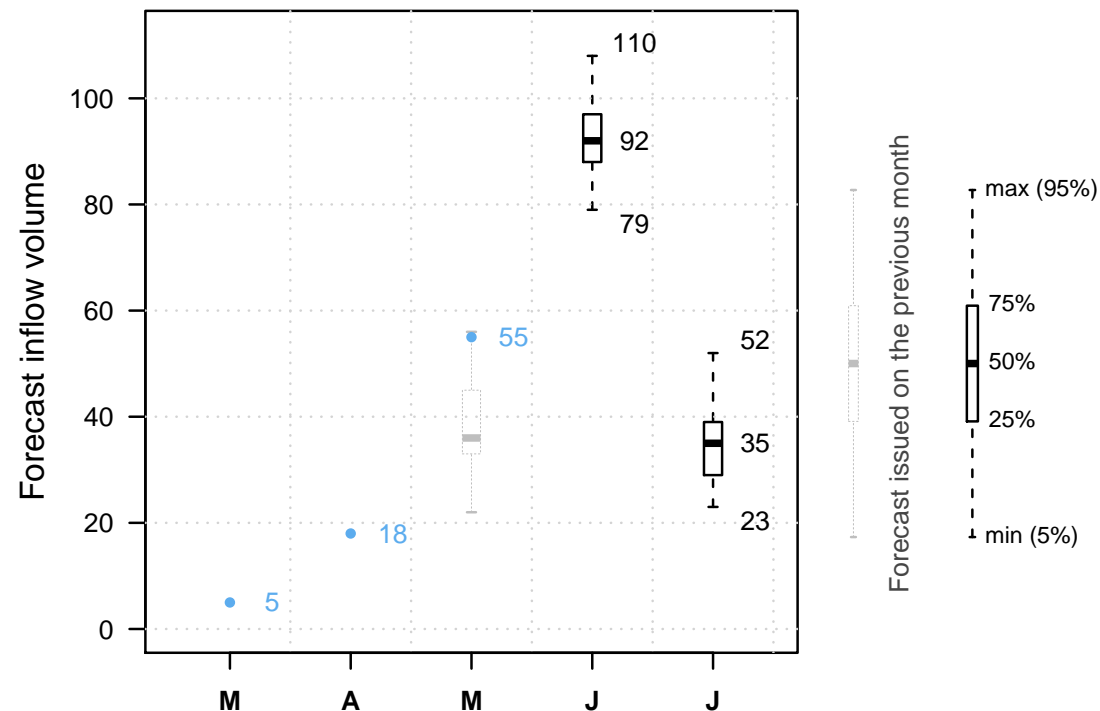


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

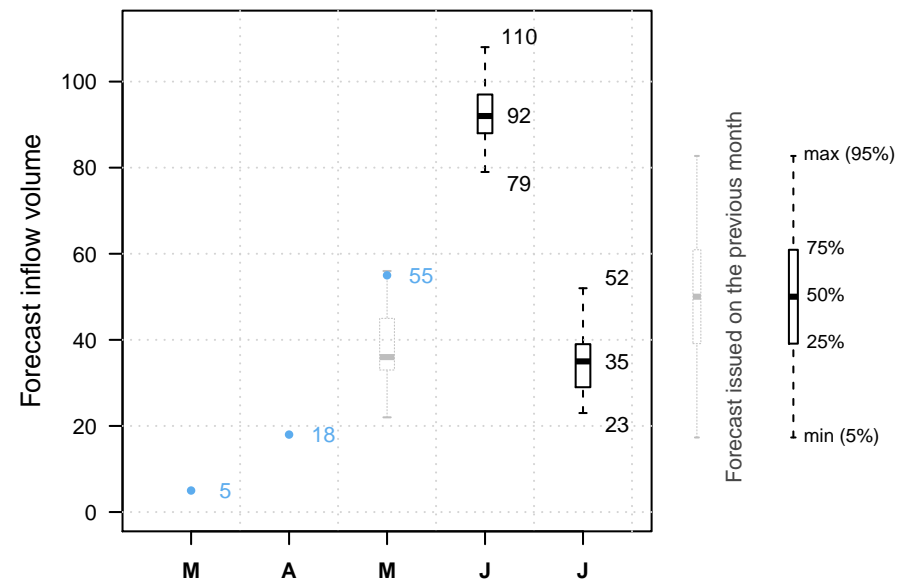
Previous decisions: B A



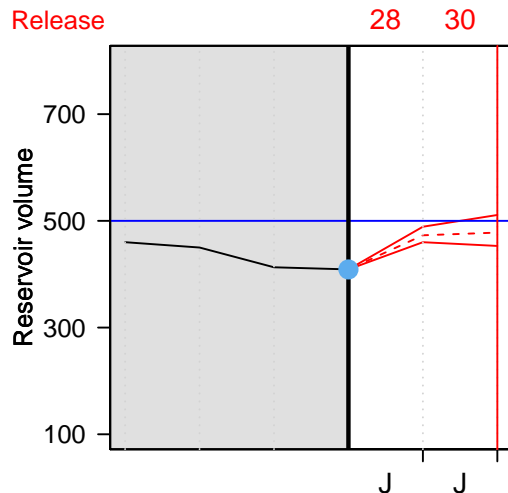
It is June 1st.

And our volunteer?

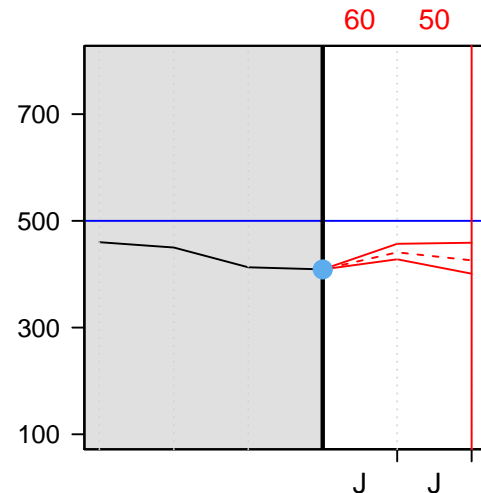
Let's see which release option our volunteer will choose.



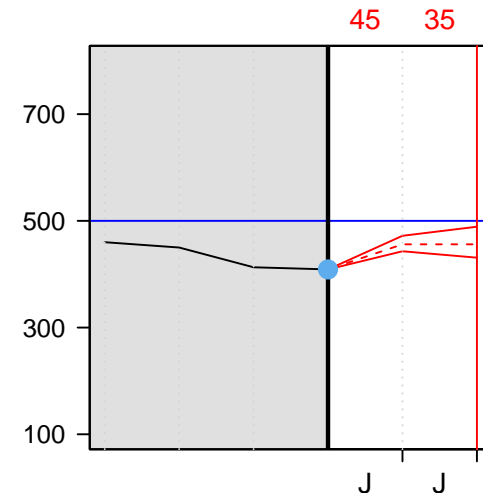
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

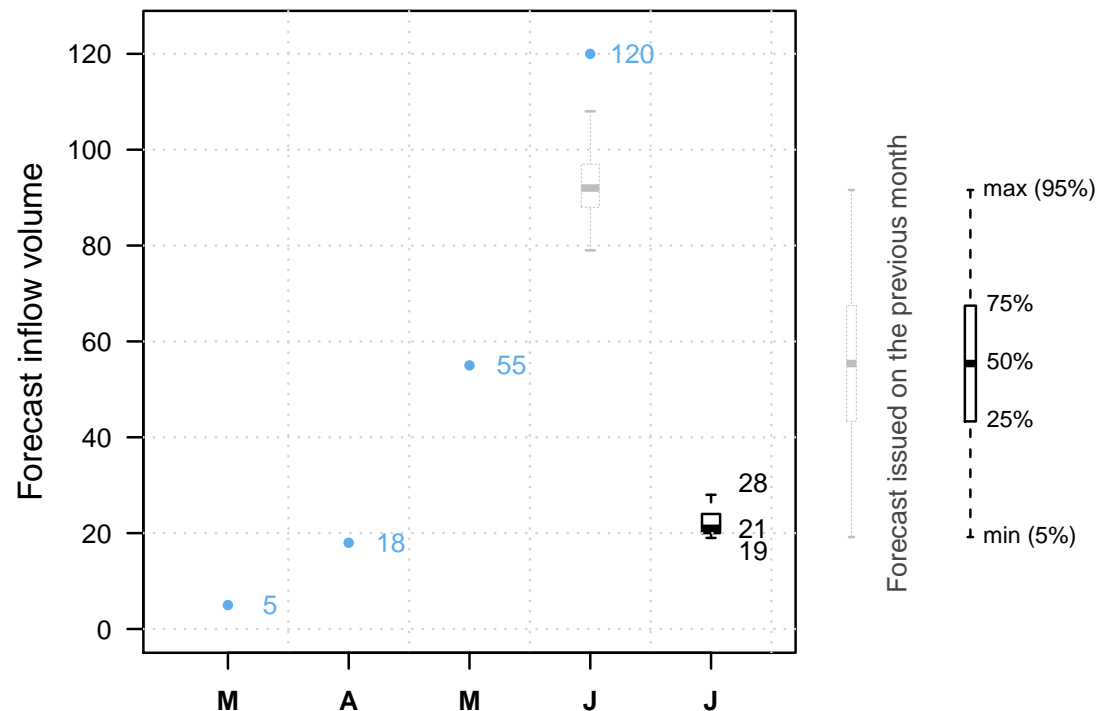


It is July 1st.

The reservoir is at  $501 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

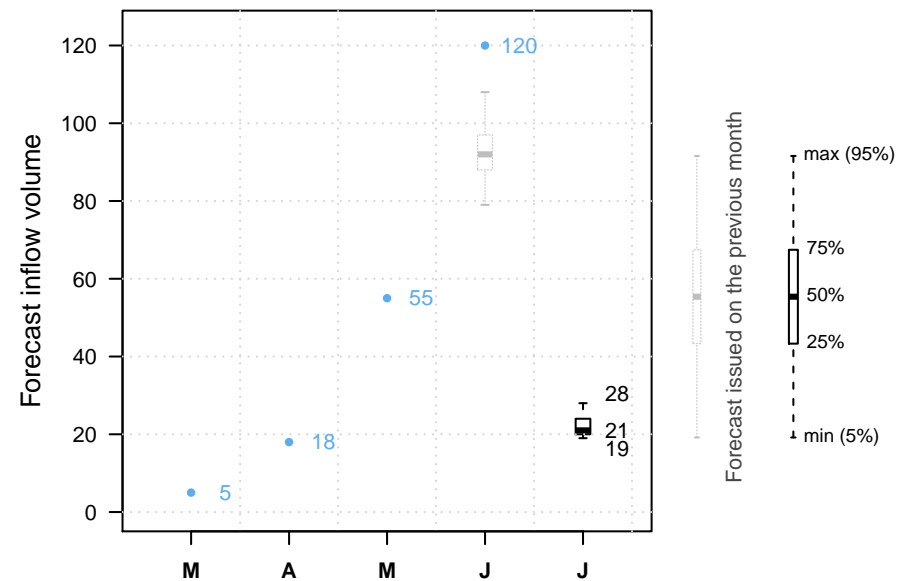
Previous decisions: B A A



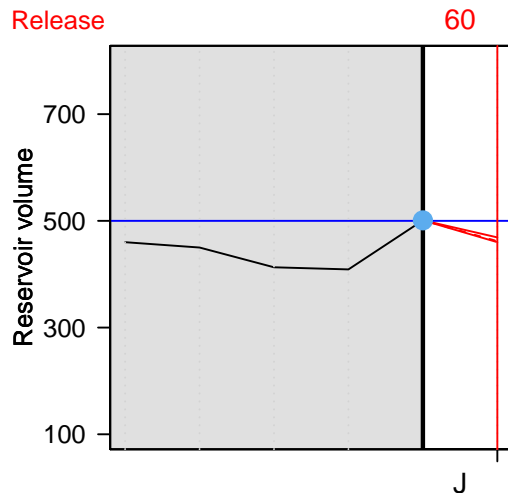
It is July 1st.

And our volunteer?

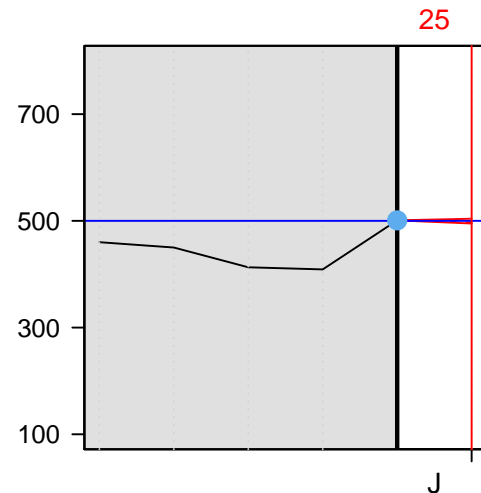
Let's see which release option our volunteer will choose.



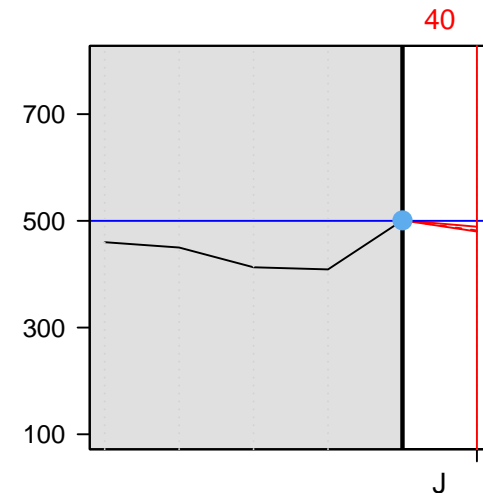
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 463 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

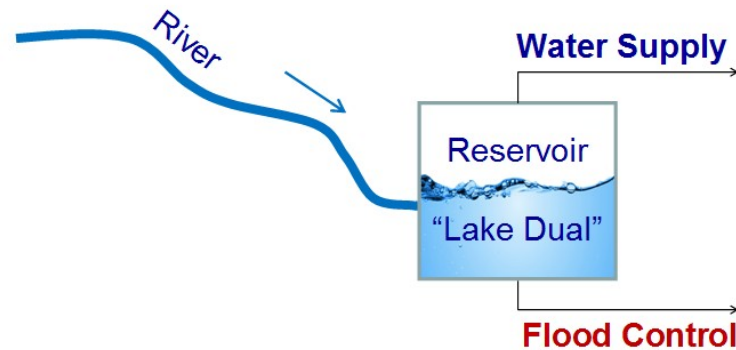
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



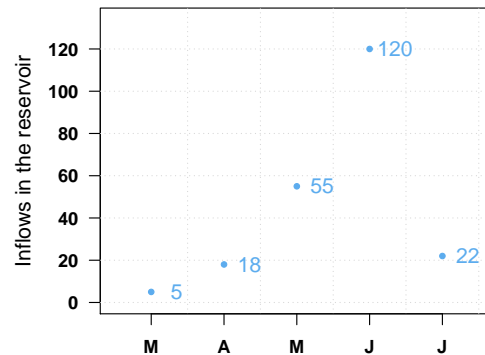
Swof Town



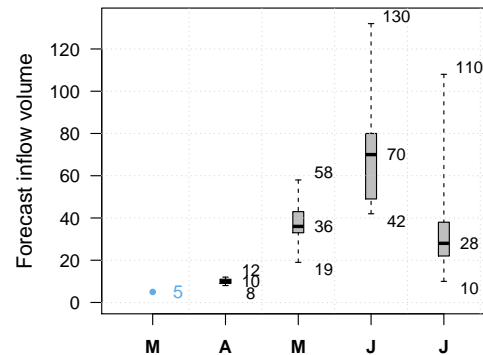
Safe Town



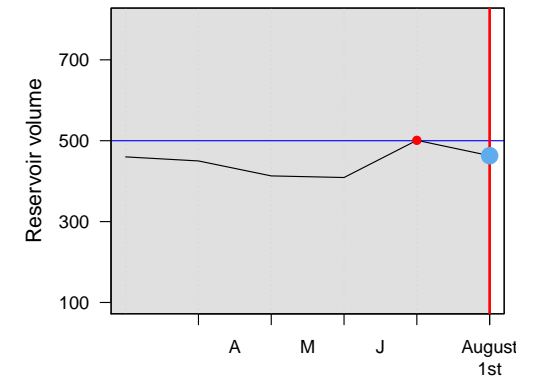
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

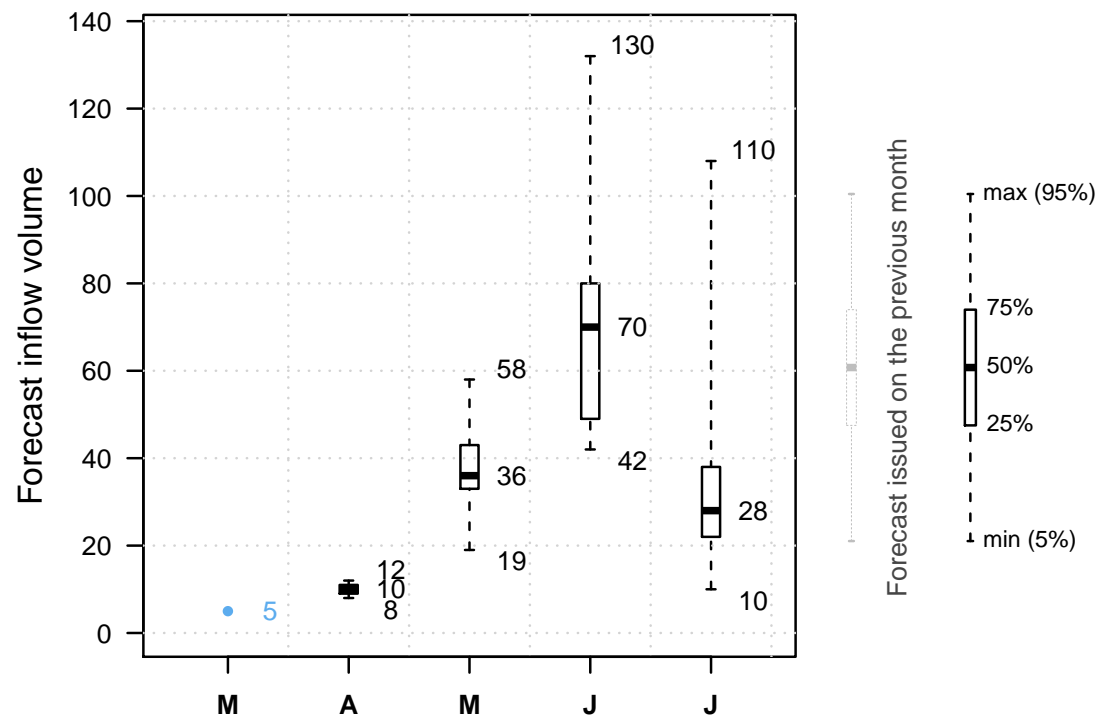


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

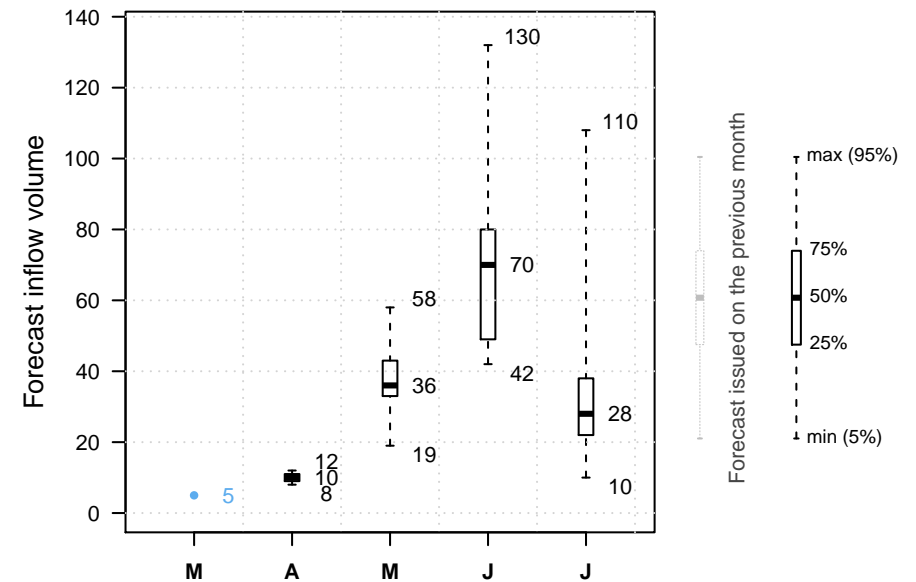
NEXT



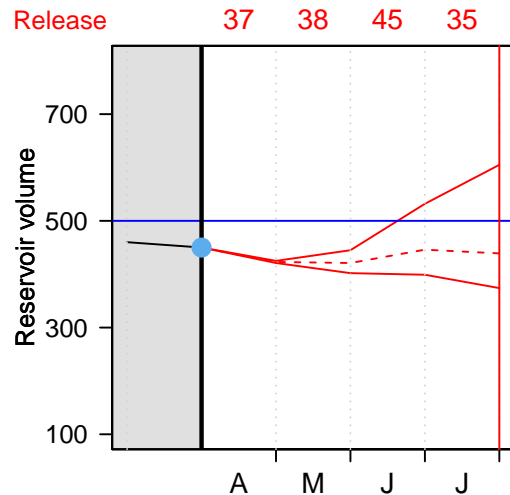
It is April 1st.

And our volunteer?

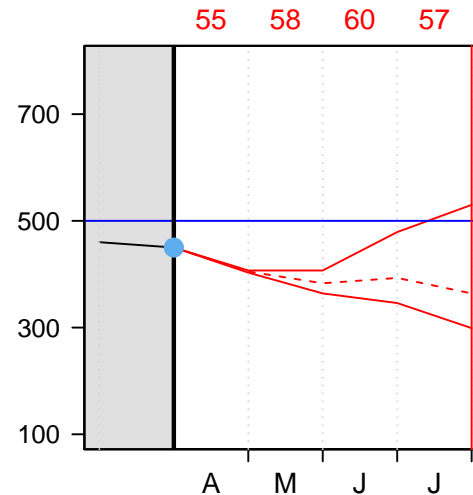
Let's see which release option our volunteer will choose.



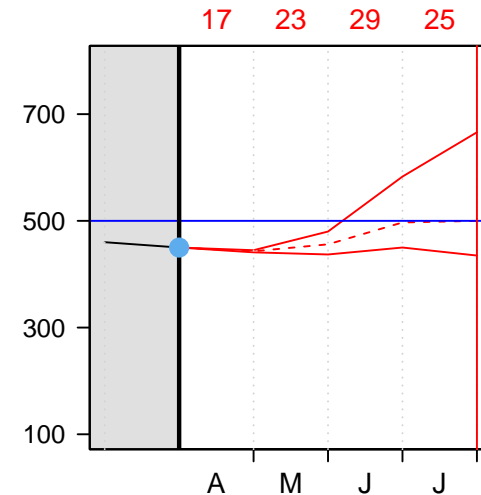
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

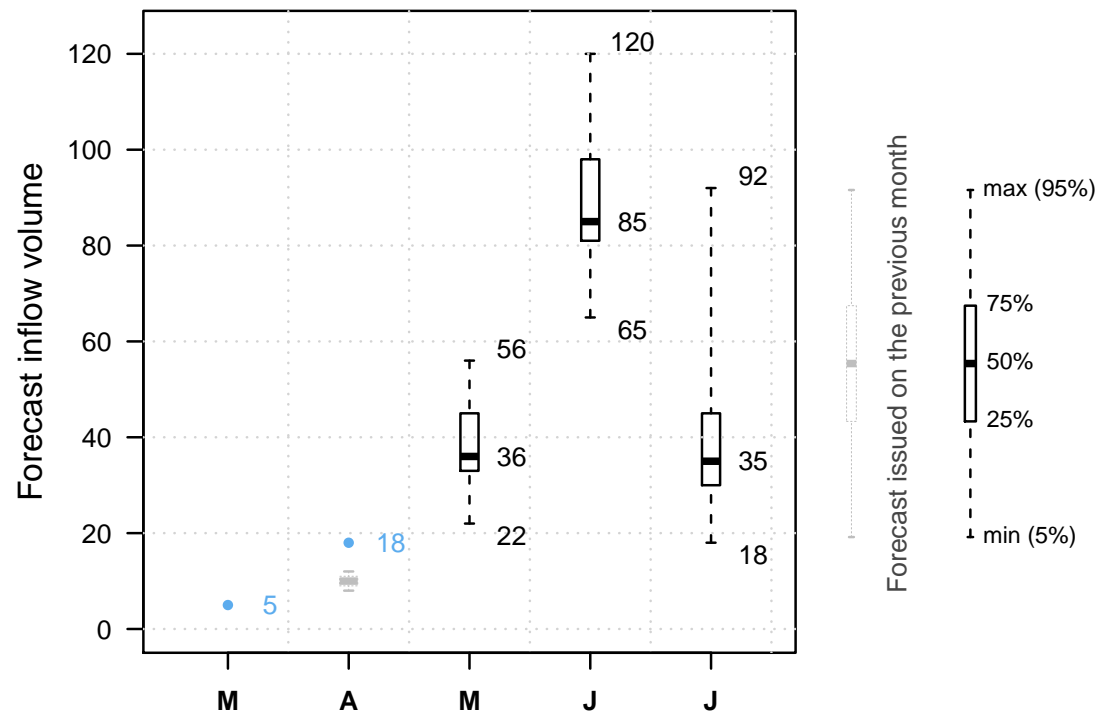


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

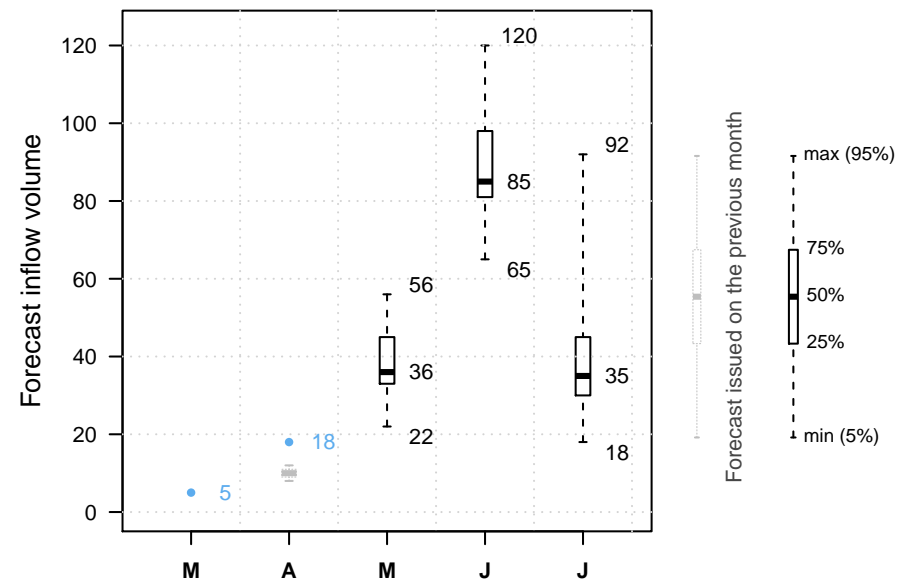
Previous decisions: C



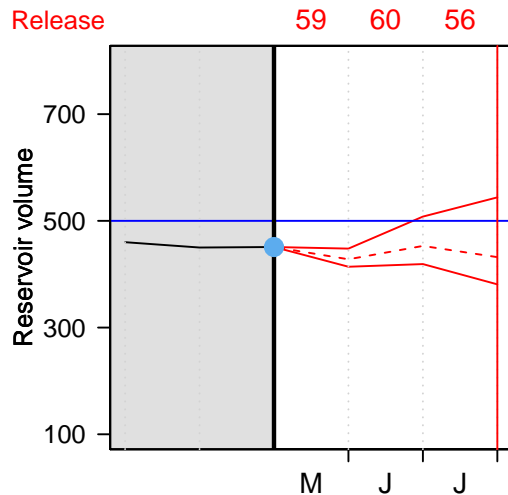
It is May 1st.

And our volunteer?

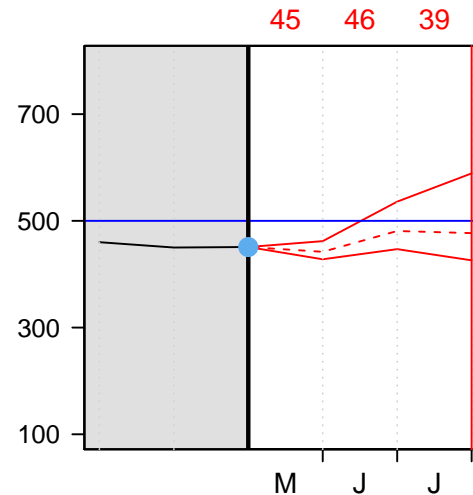
Let's see which release option our volunteer will choose.



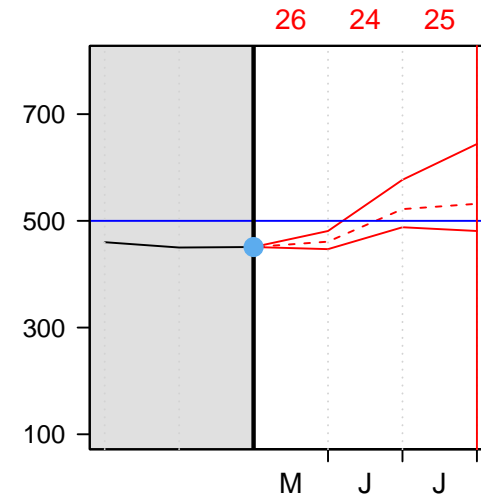
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

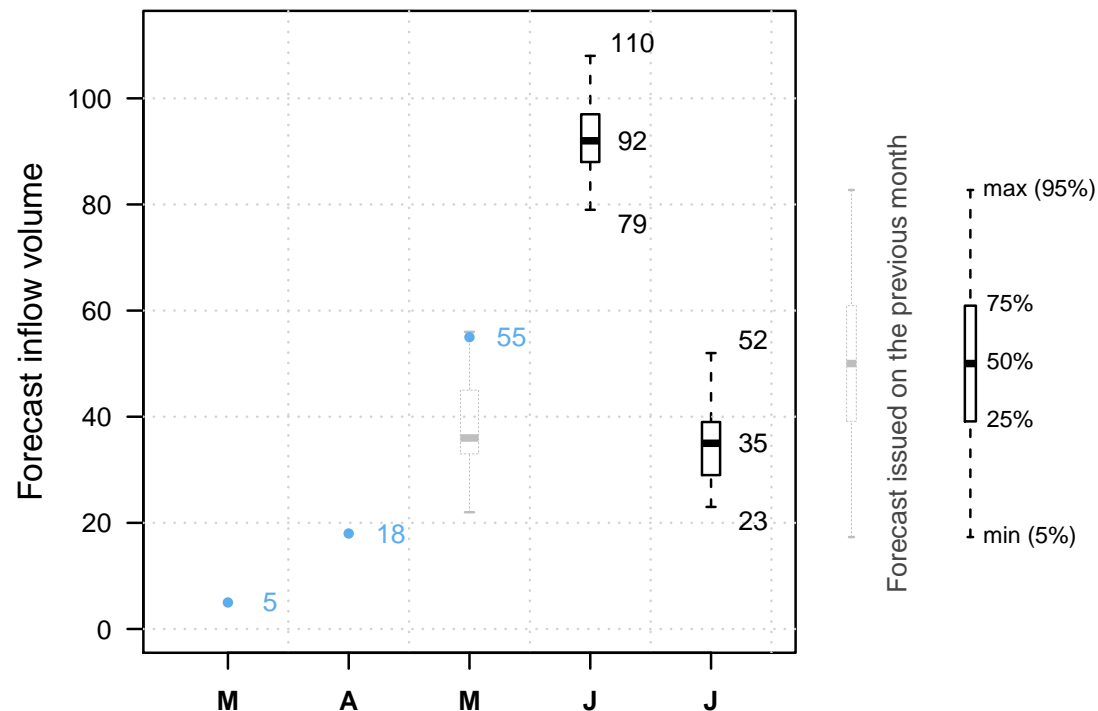


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

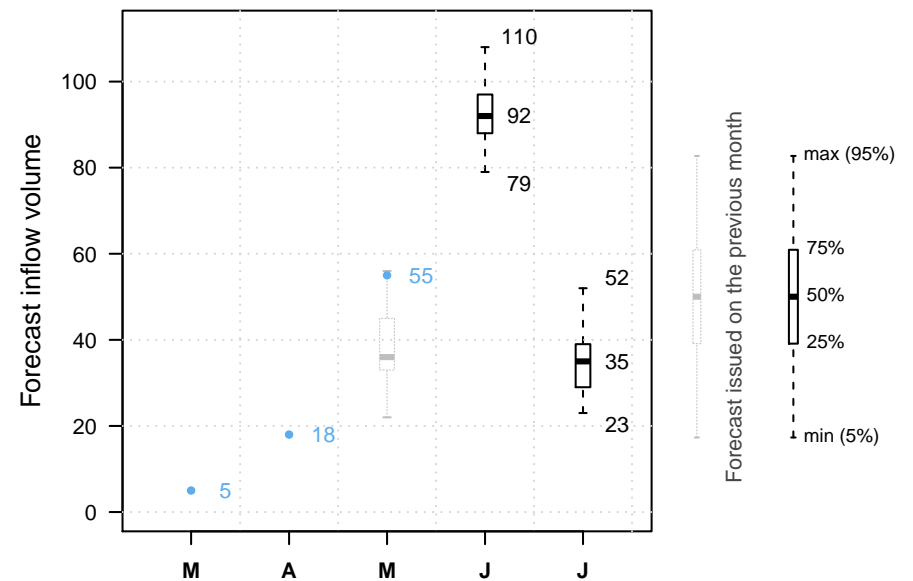
Previous decisions: C A



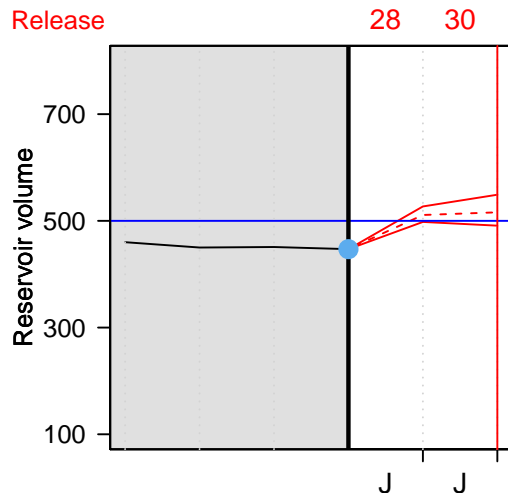
It is June 1st.

And our volunteer?

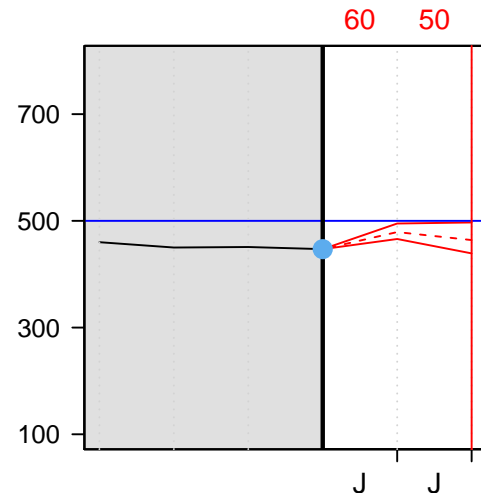
Let's see which release option our volunteer will choose.



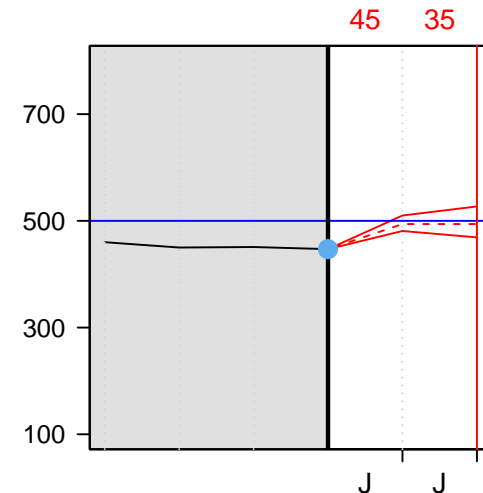
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 539 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

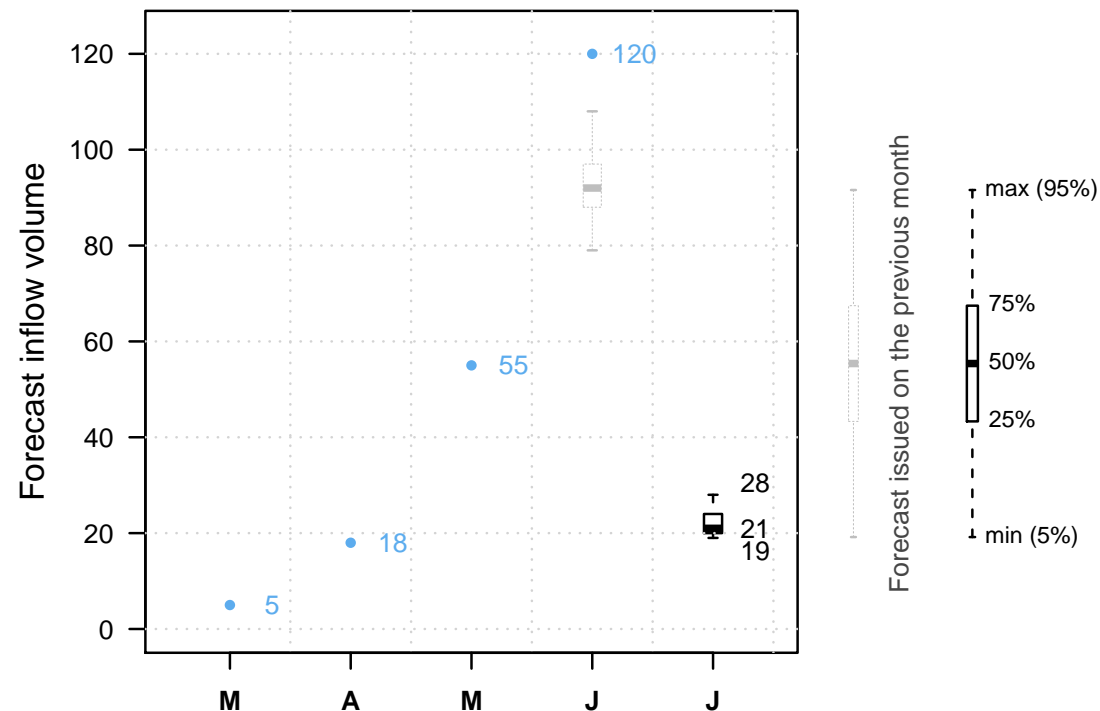


It is July 1st.

The reservoir is at 539  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

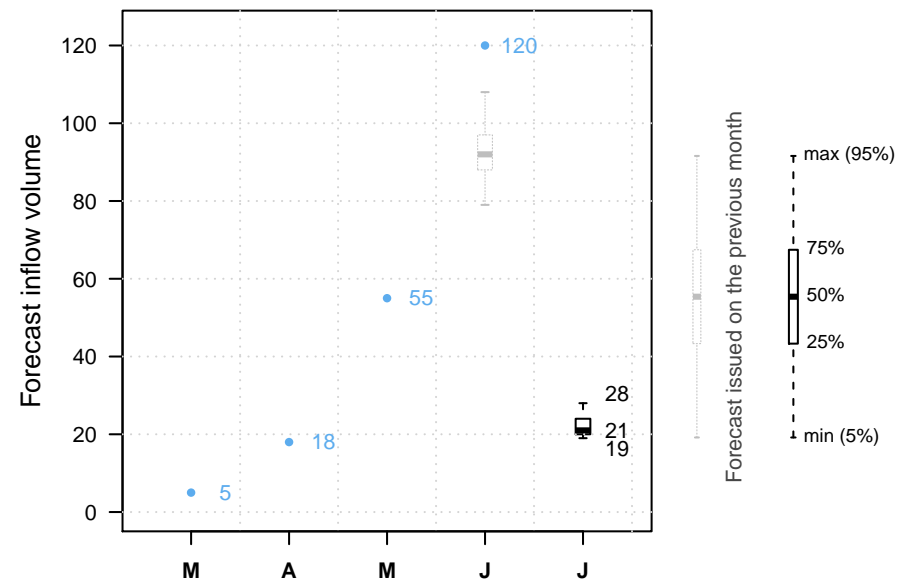
Previous decisions: C A A



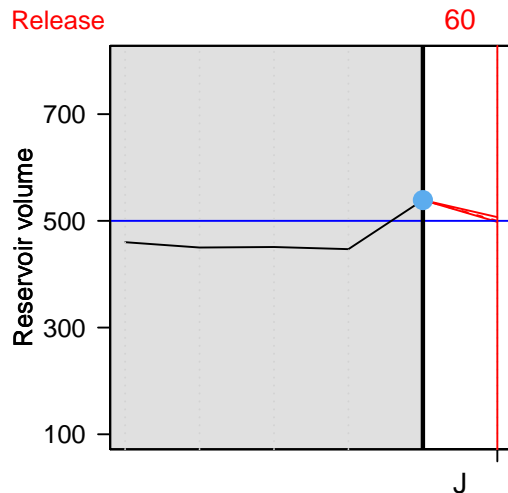
It is July 1st.

And our volunteer?

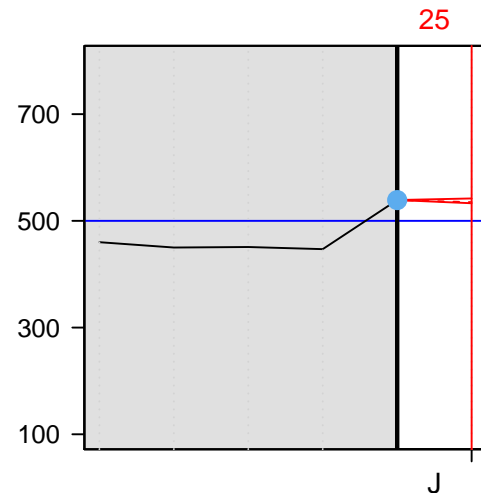
Let's see which release option our volunteer will choose.



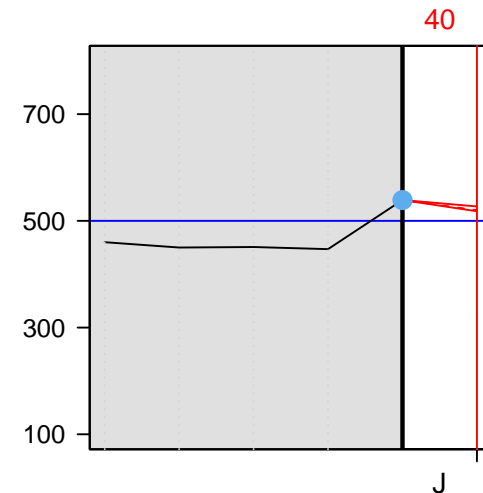
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$539 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

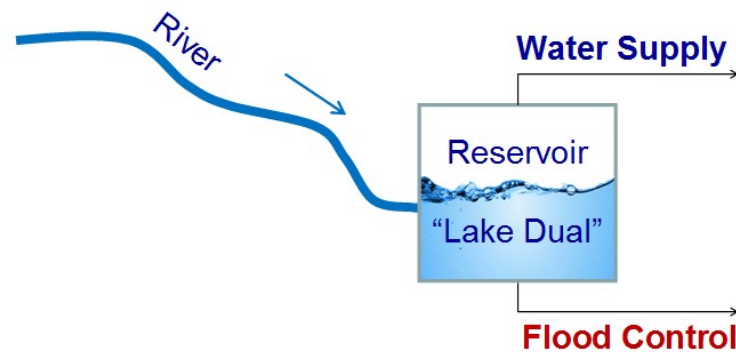
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



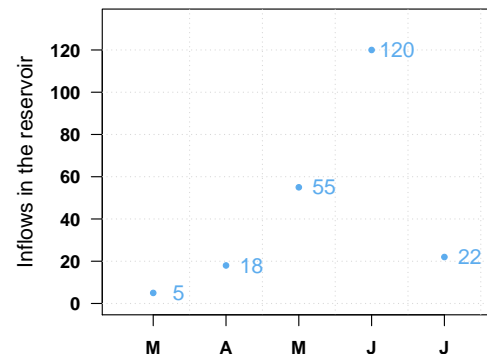
Swof Town



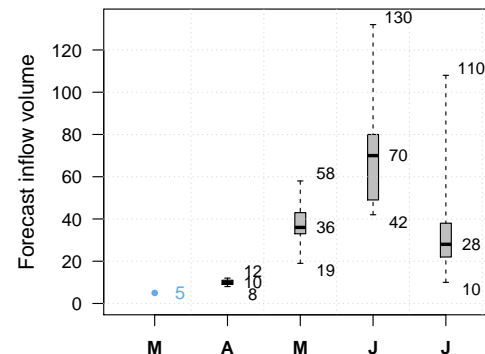
Safe Town



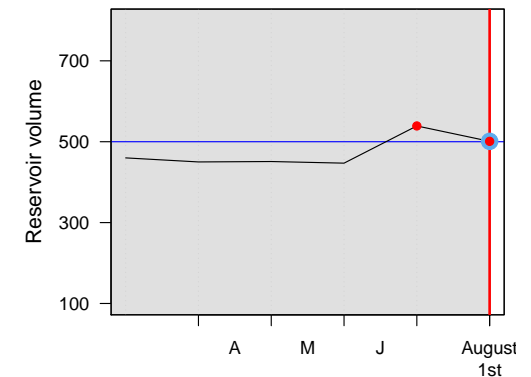
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

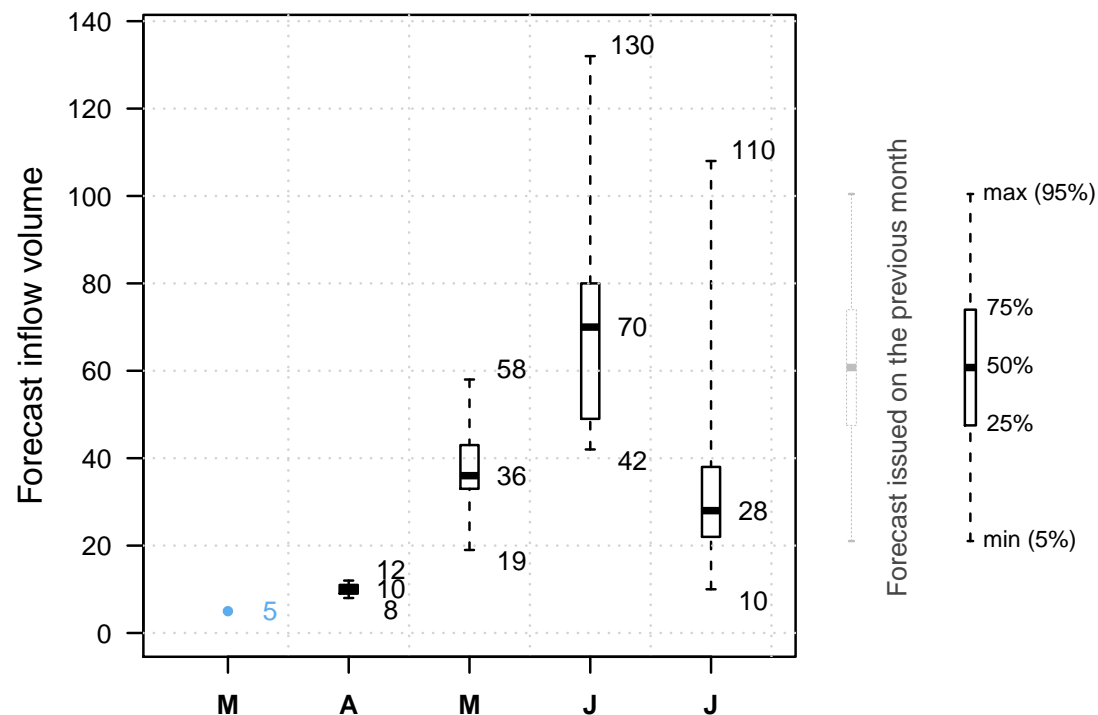


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

NEXT

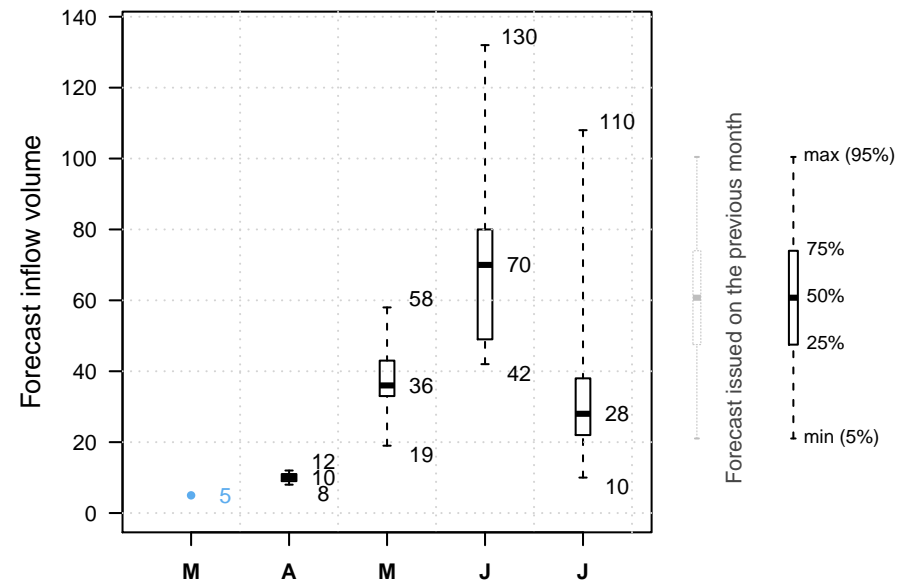




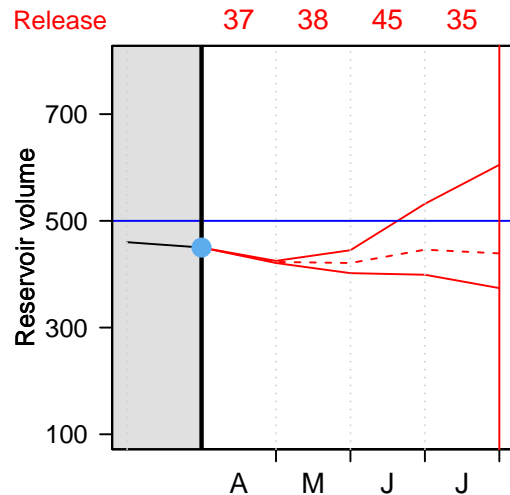
It is April 1st.

And our volunteer?

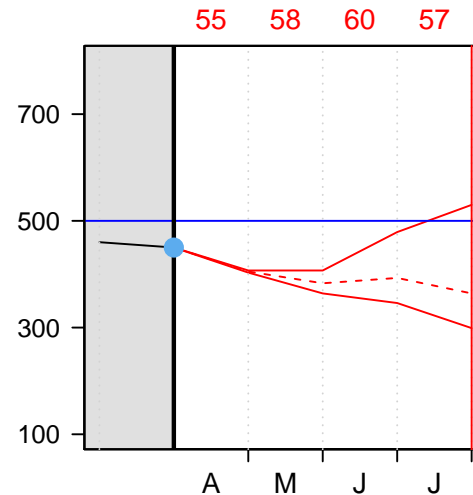
Let's see which release option our volunteer will choose.



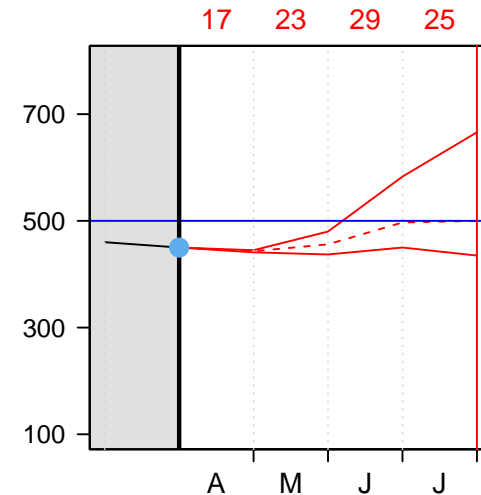
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

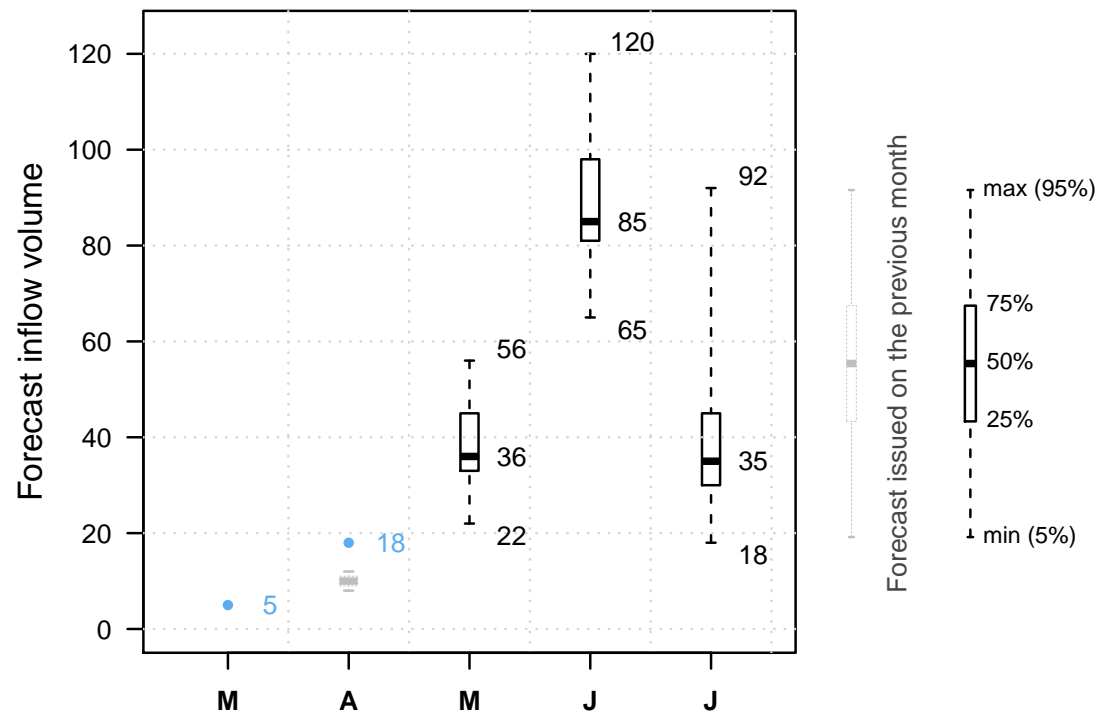


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

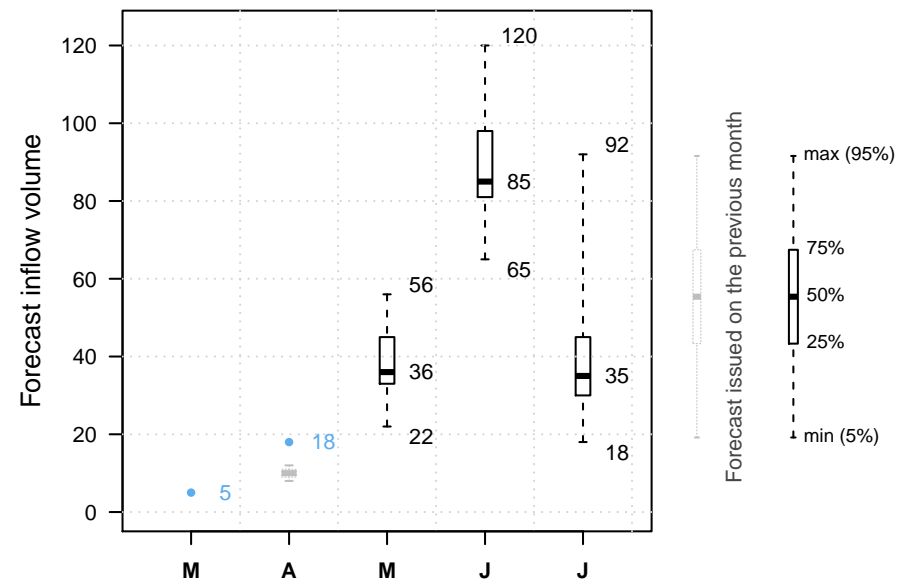
Previous decisions: A



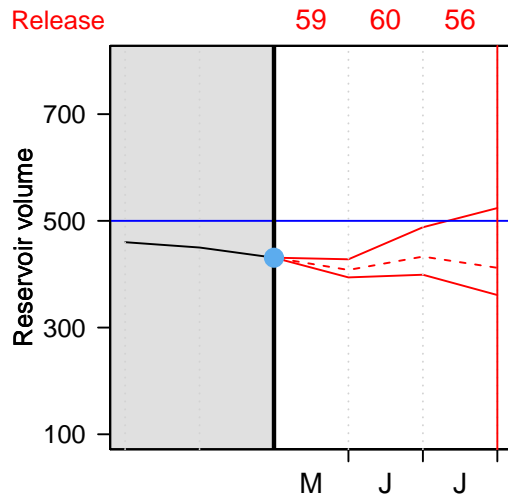
It is May 1st.

And our volunteer?

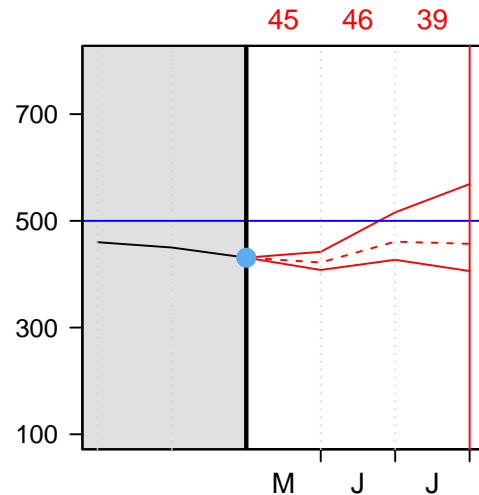
Let's see which release option our volunteer will choose.



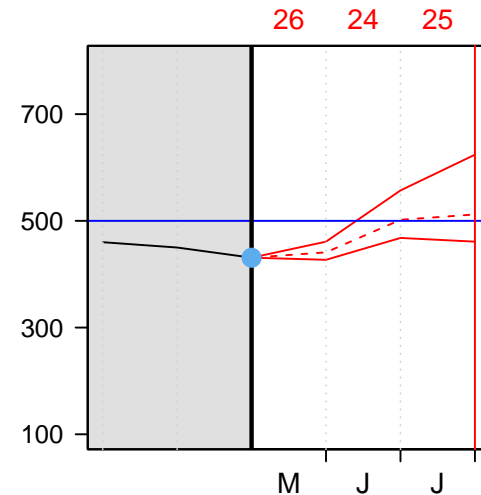
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

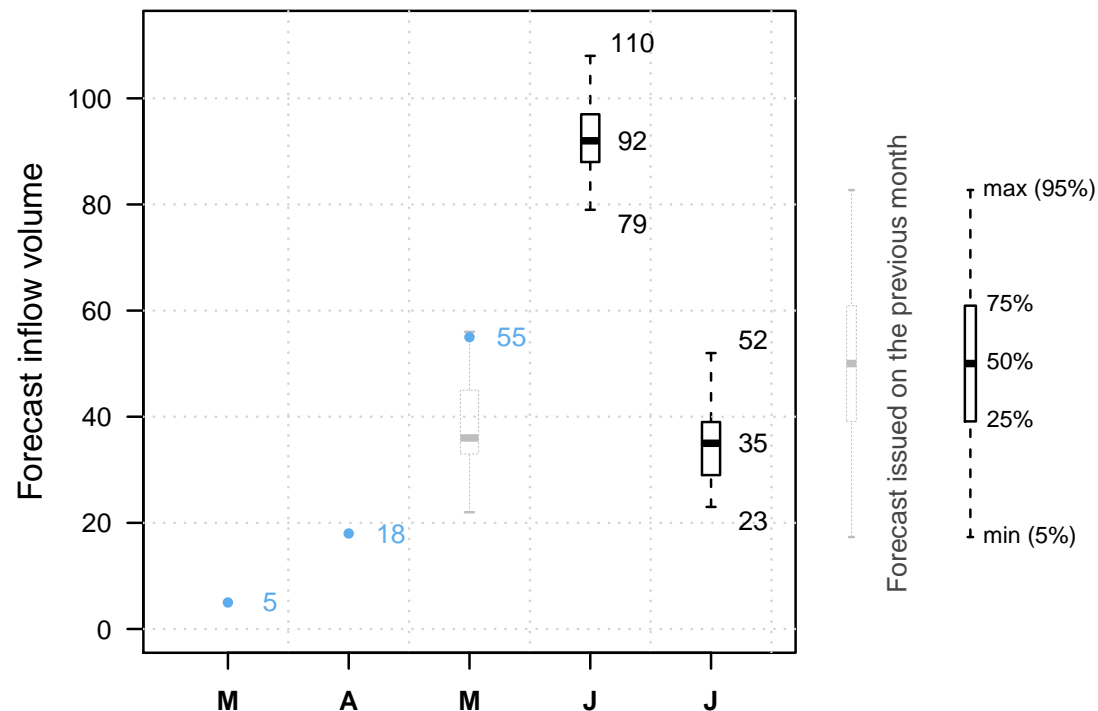


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



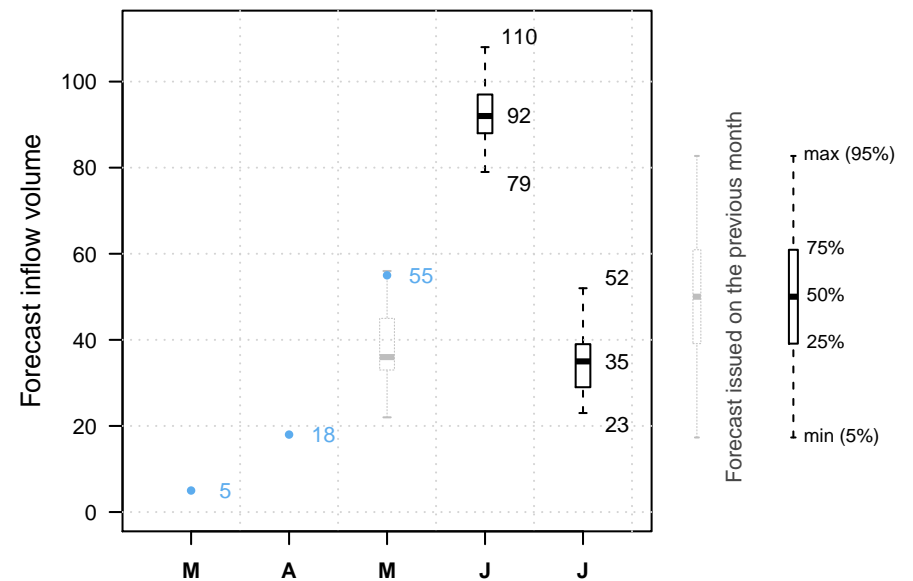
Previous decisions: A B



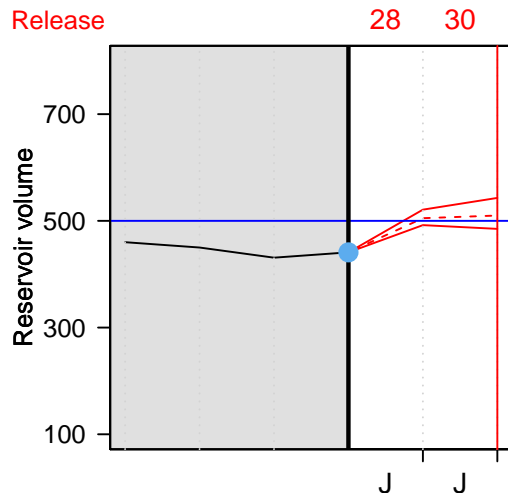
It is June 1st.

And our volunteer?

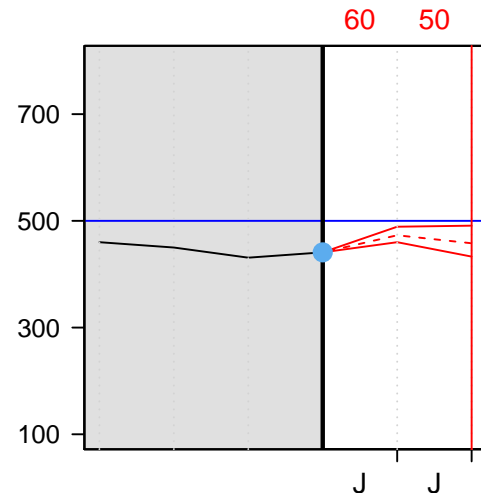
Let's see which release option our volunteer will choose.



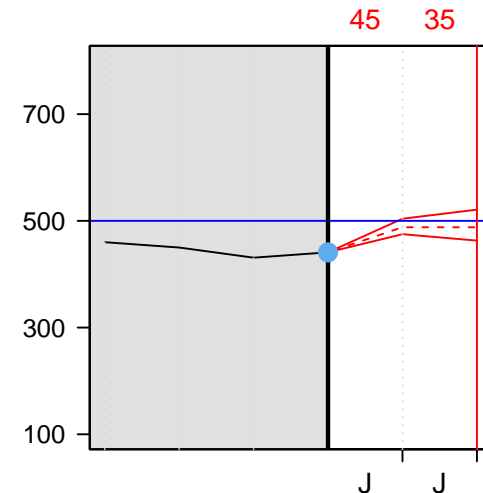
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 533 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

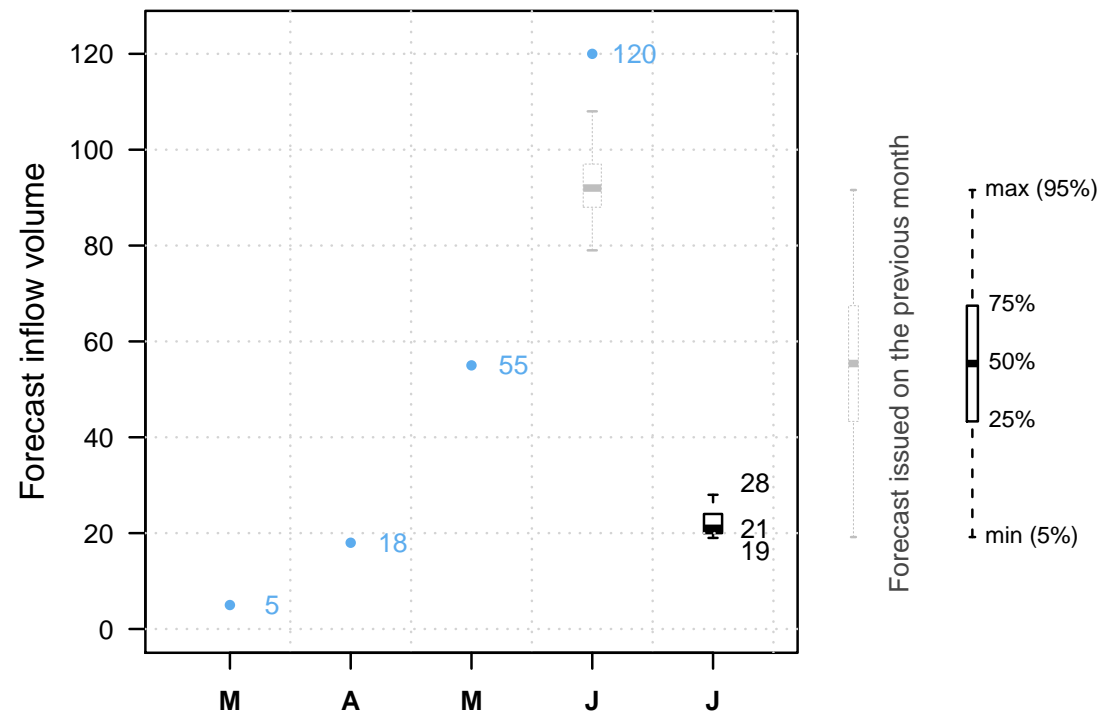


It is July 1st.

The reservoir is at  $533 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

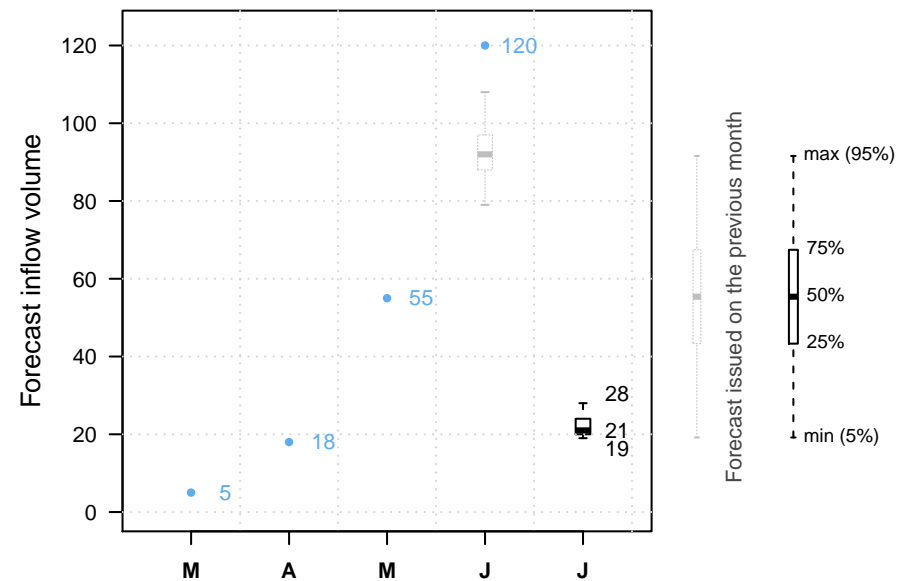
Previous decisions: A B A



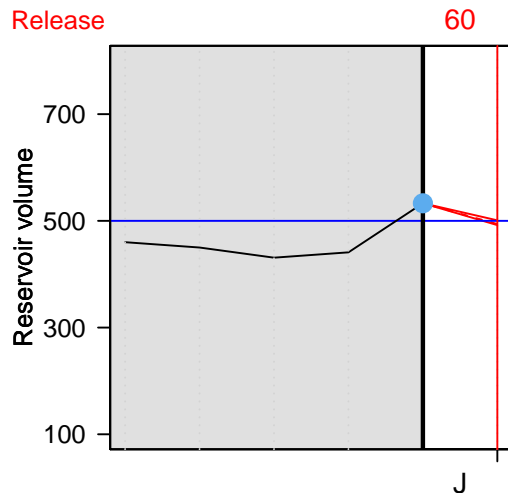
It is July 1st.

And our volunteer?

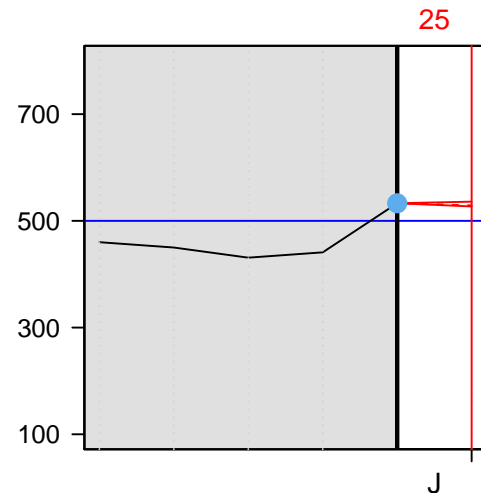
Let's see which release option our volunteer will choose.



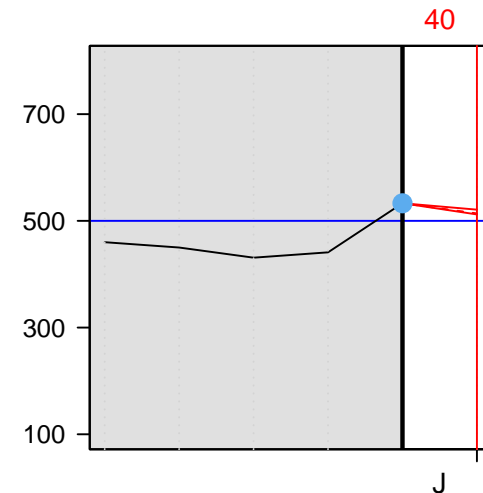
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$533 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 495 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

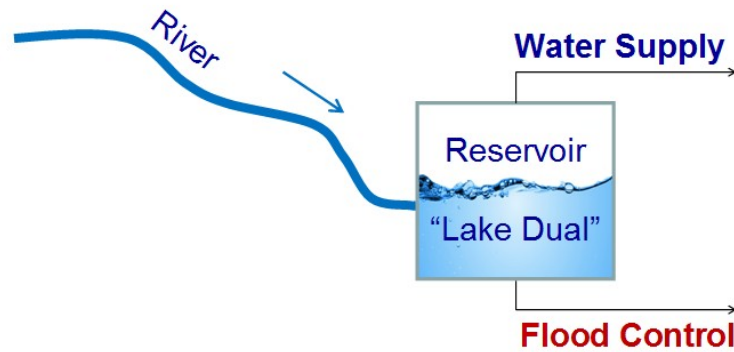
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



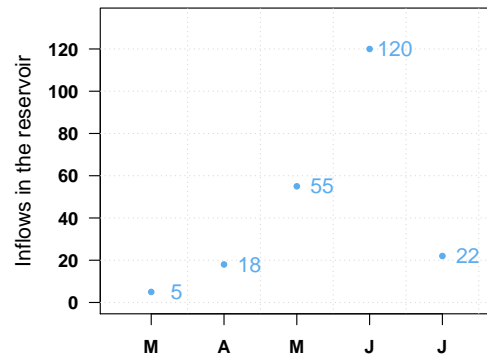
Swof Town



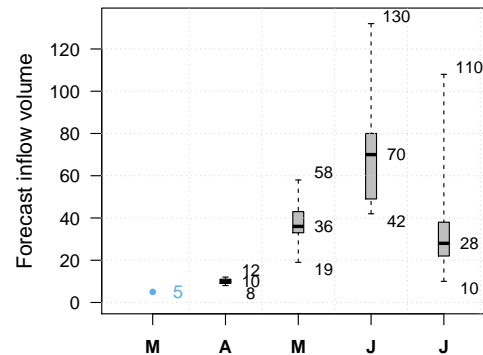
Safe Town



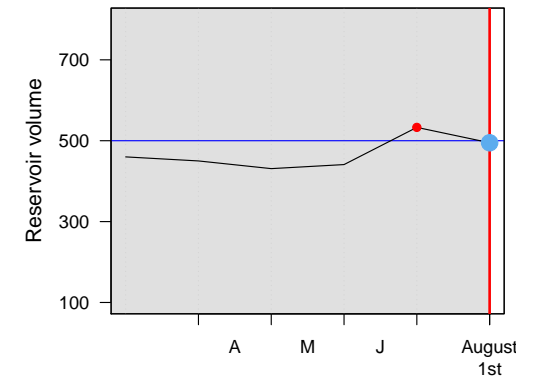
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



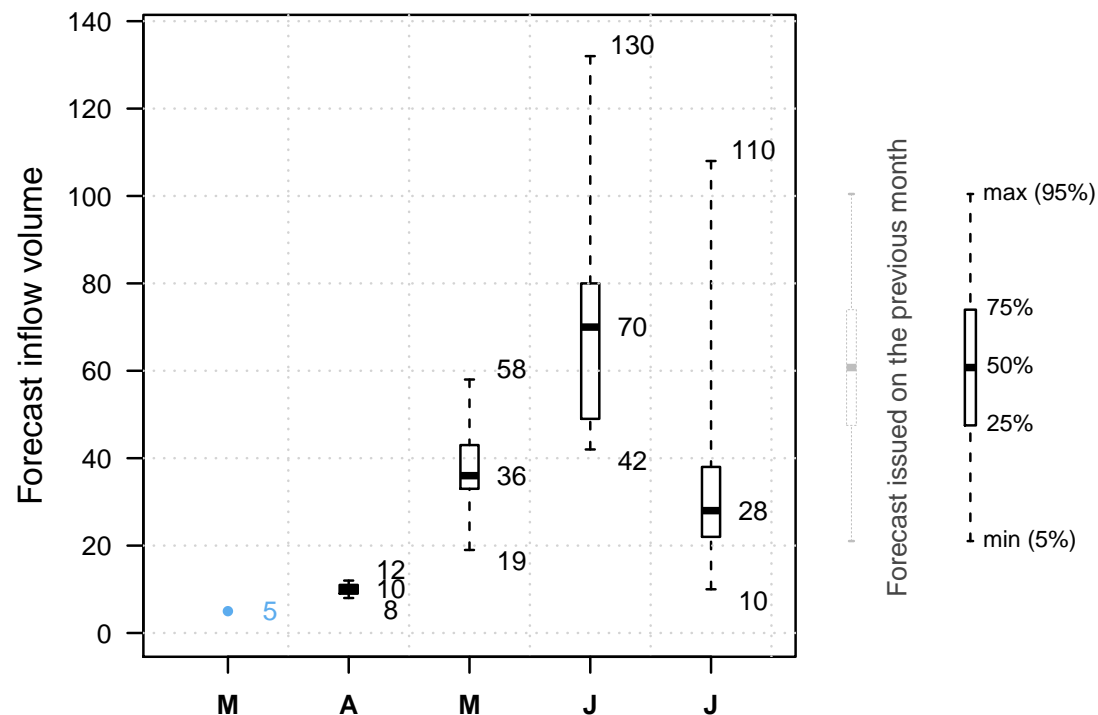


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

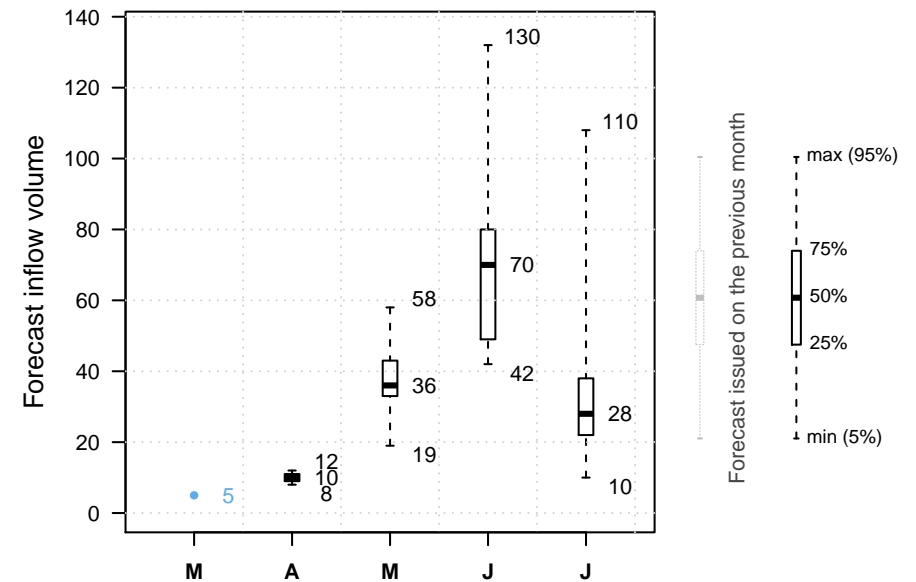
**NEXT**



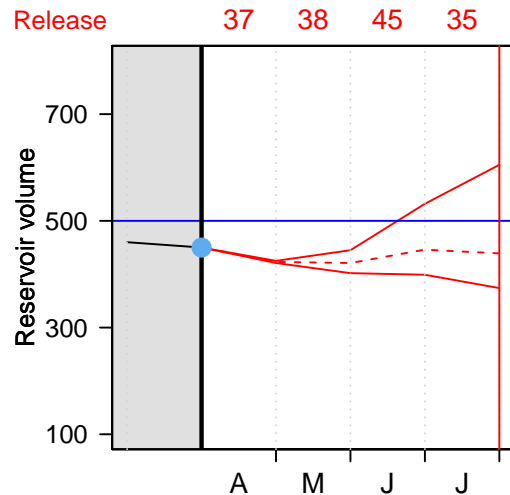
It is April 1st.

And our volunteer?

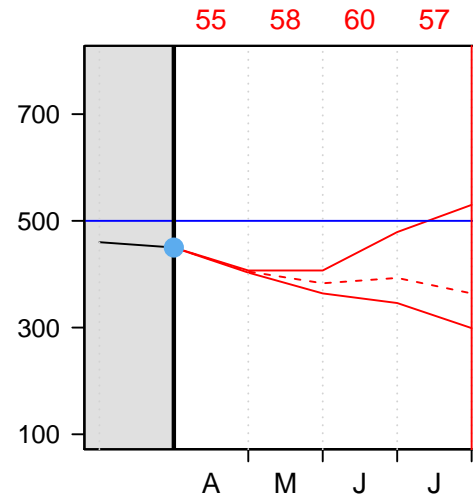
Let's see which release option our volunteer will choose.



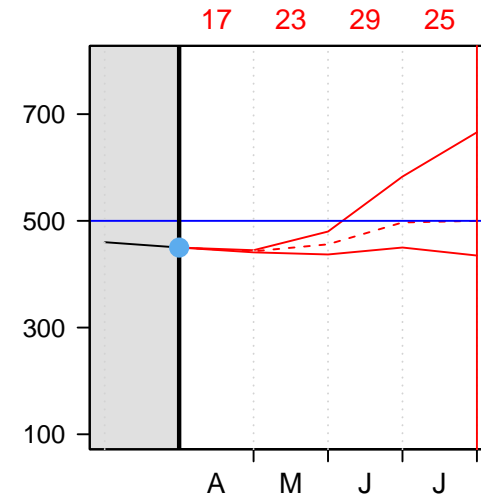
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

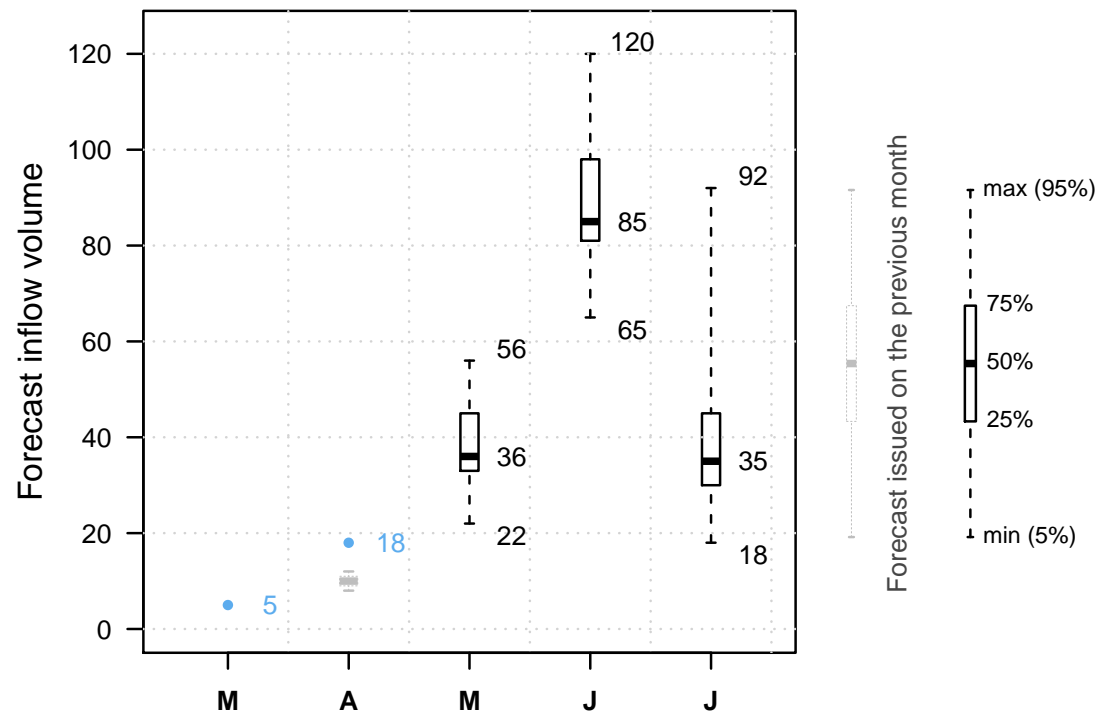


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

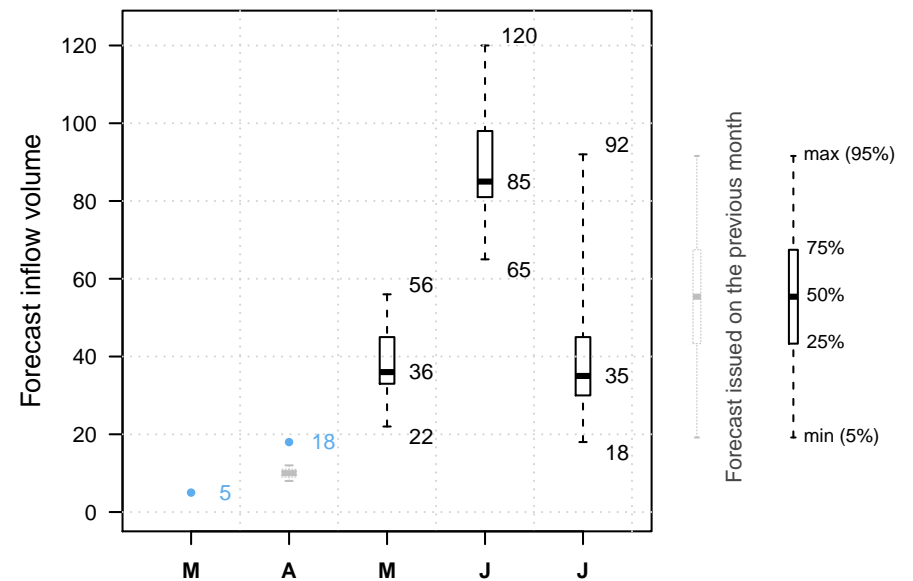
Previous decisions: B



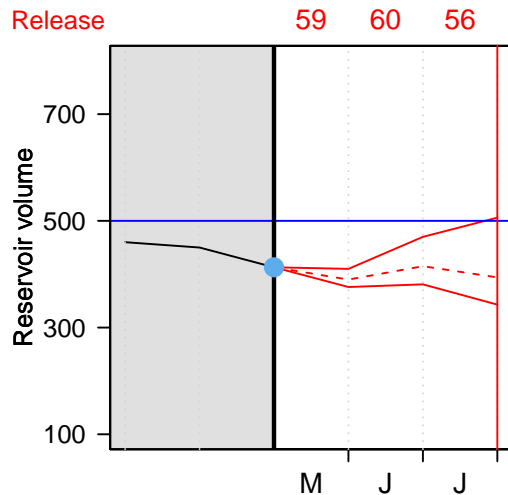
It is May 1st.

And our volunteer?

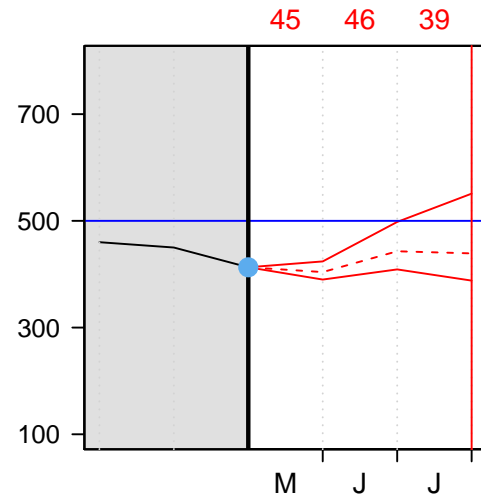
Let's see which release option our volunteer will choose.



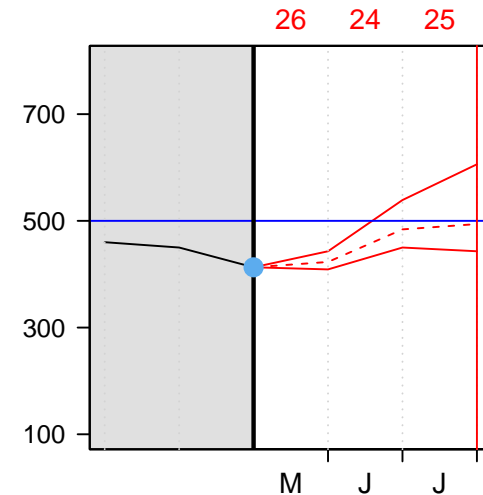
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



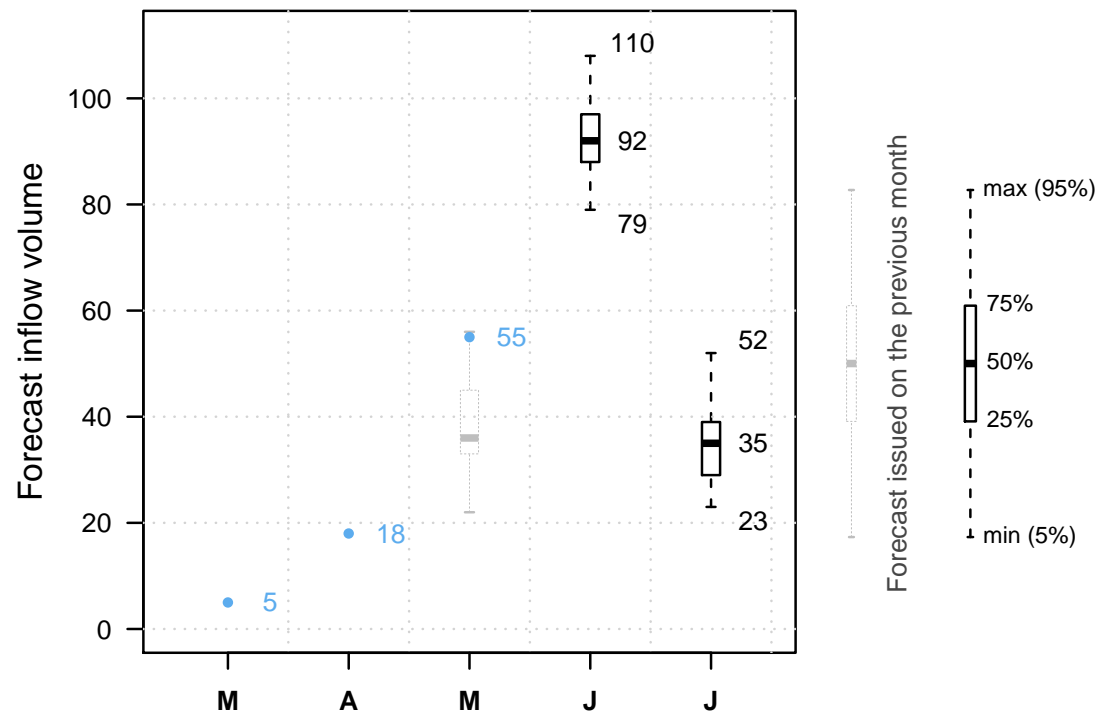


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

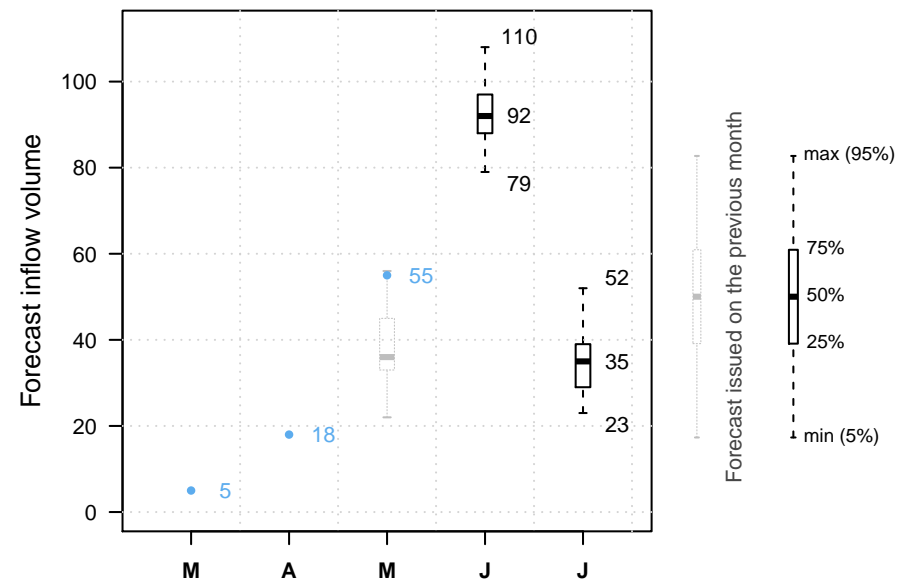
Previous decisions: B B



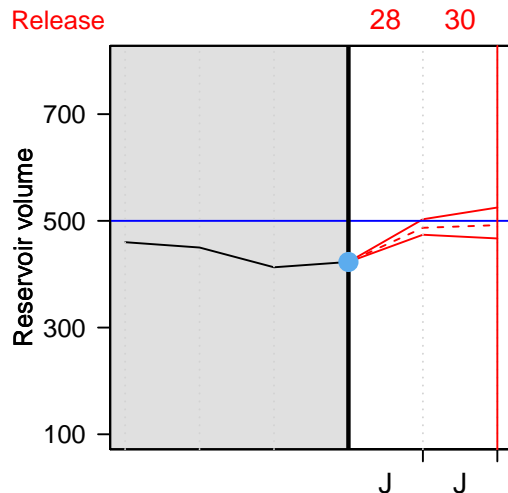
It is June 1st.

And our volunteer?

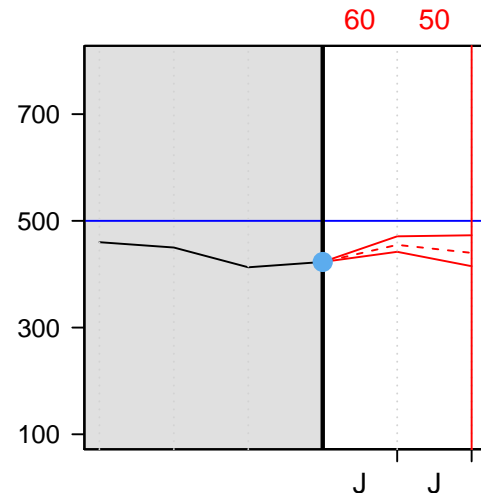
Let's see which release option our volunteer will choose.



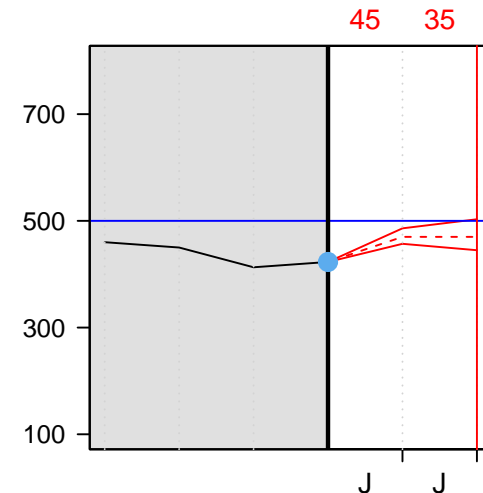
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 515 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

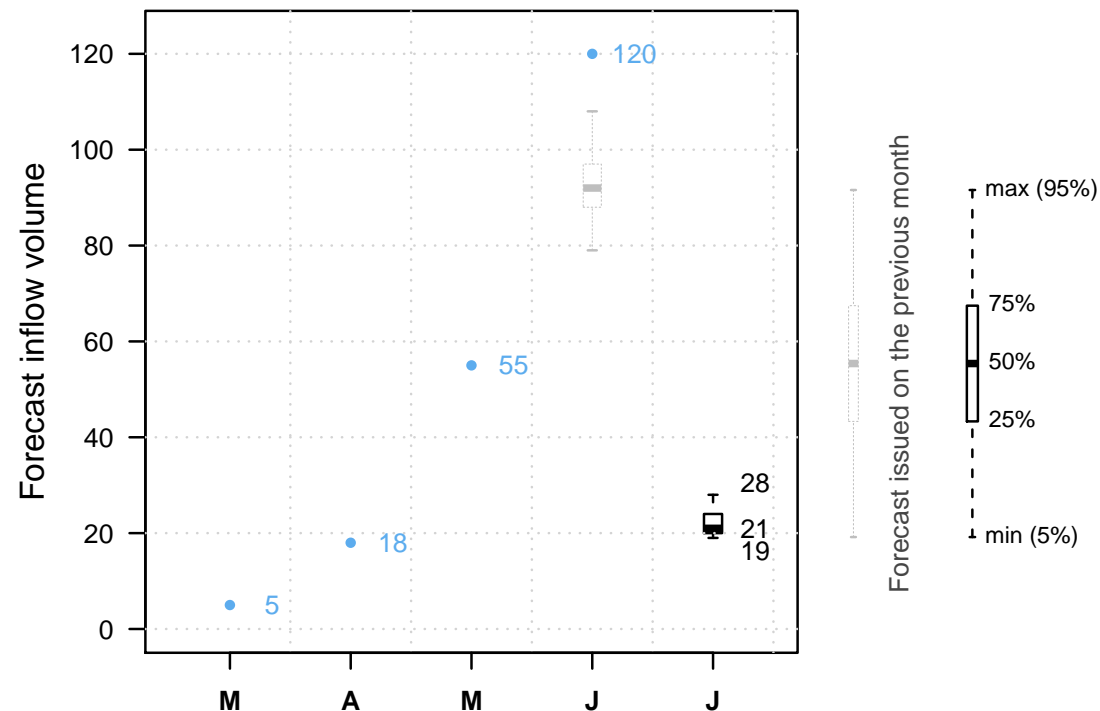


It is July 1st.

The reservoir is at  $515 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

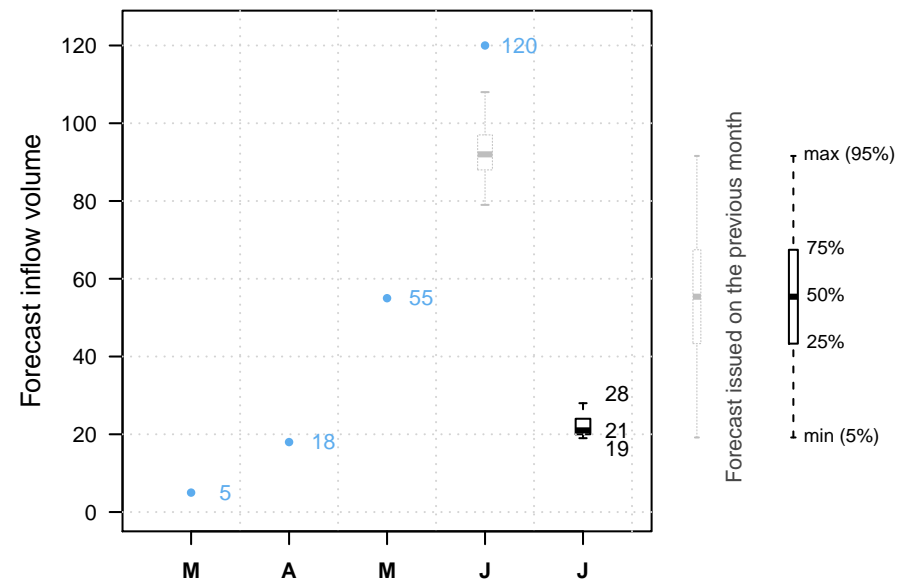
Previous decisions: B B A



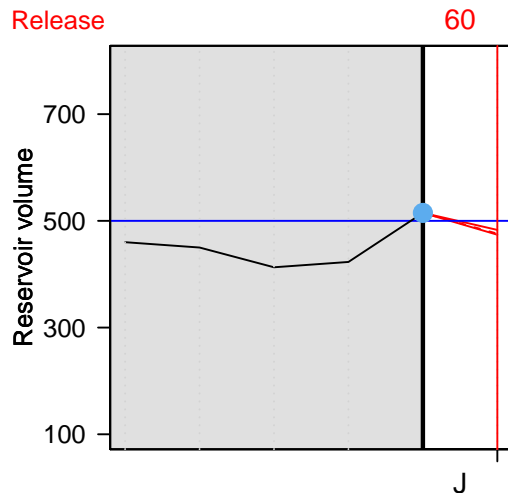
It is July 1st.

And our volunteer?

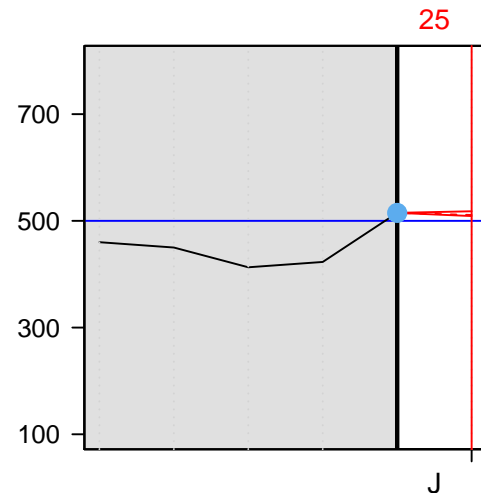
Let's see which release option our volunteer will choose.



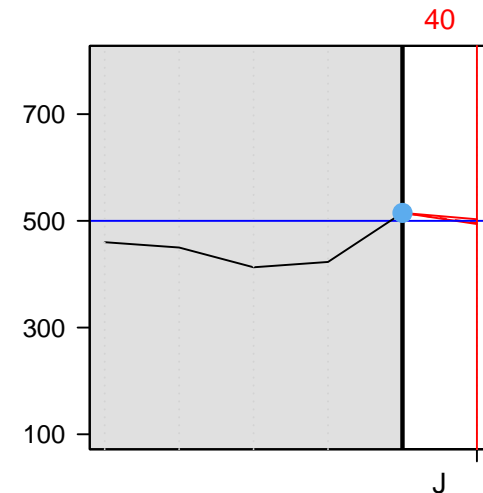
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$515 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 477 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

NEXT

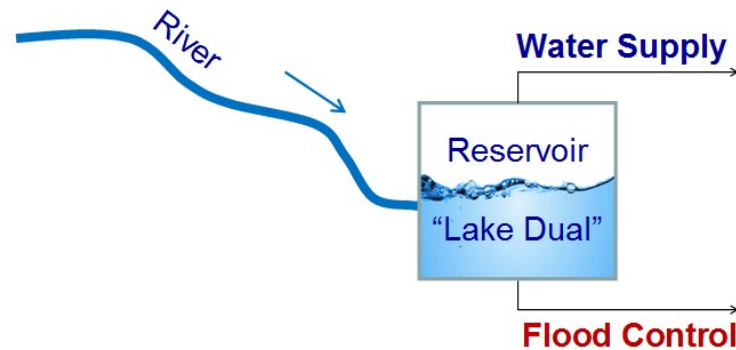
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



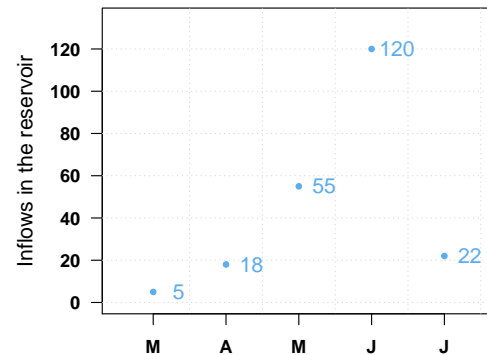
Swof Town



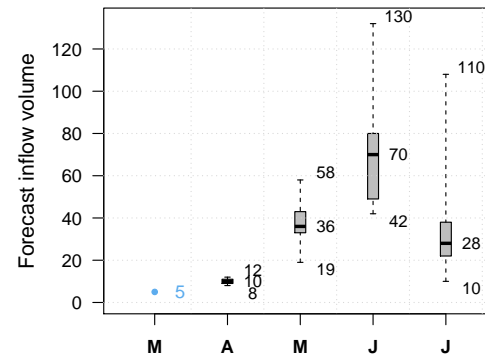
Safe Town



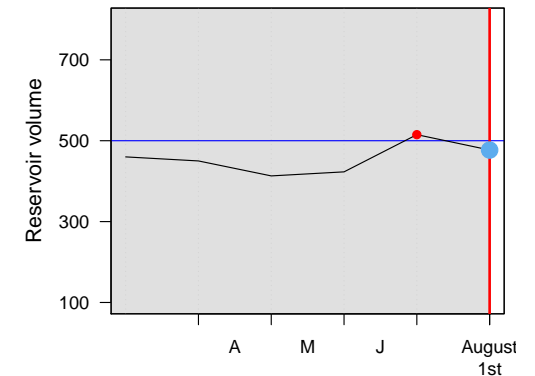
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

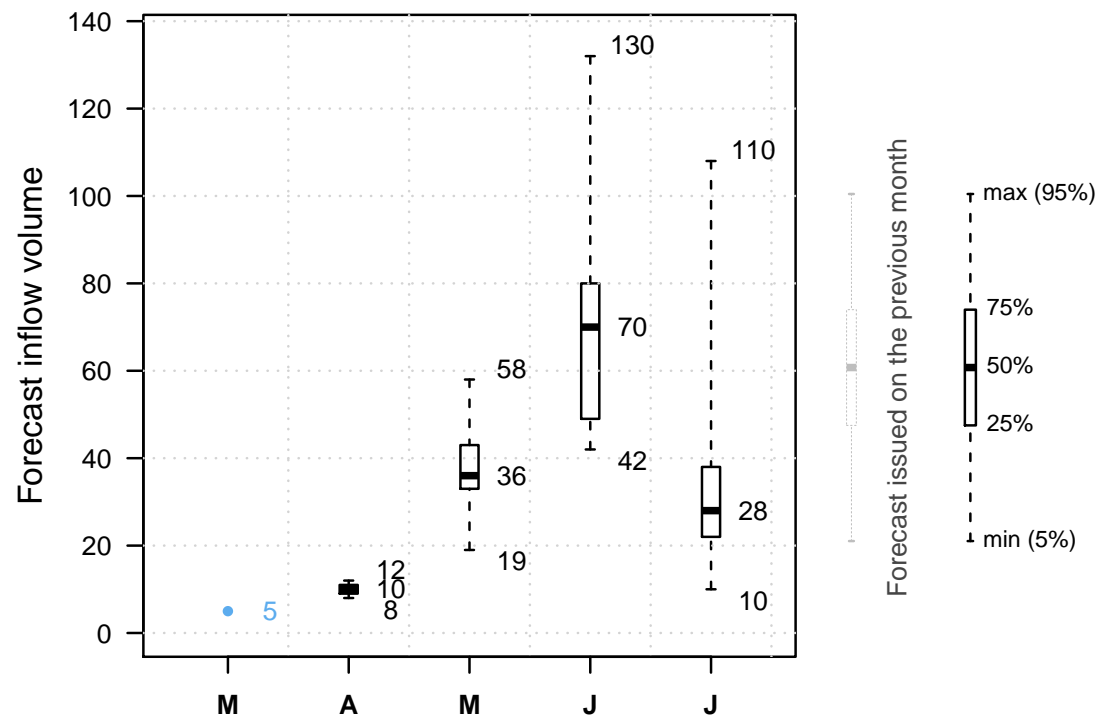


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

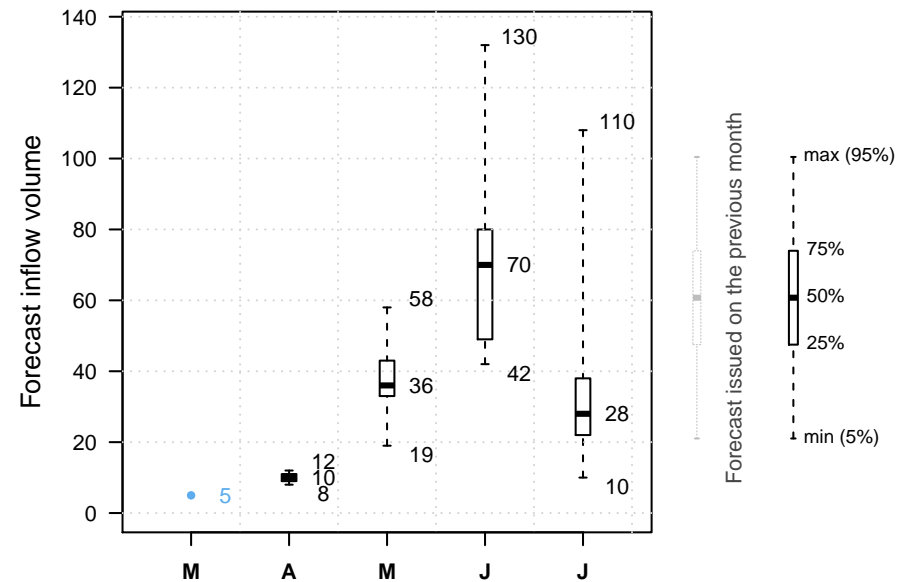
**NEXT**



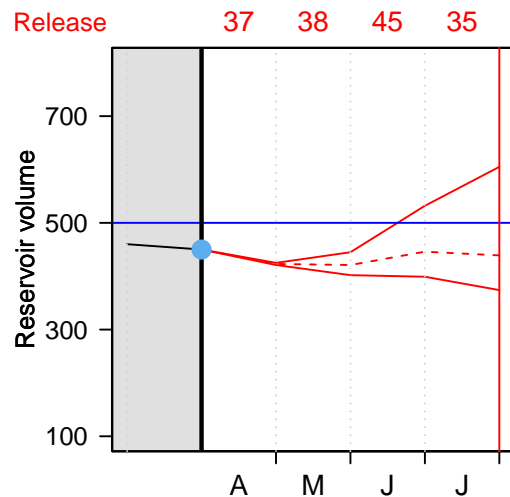
It is April 1st.

And our volunteer?

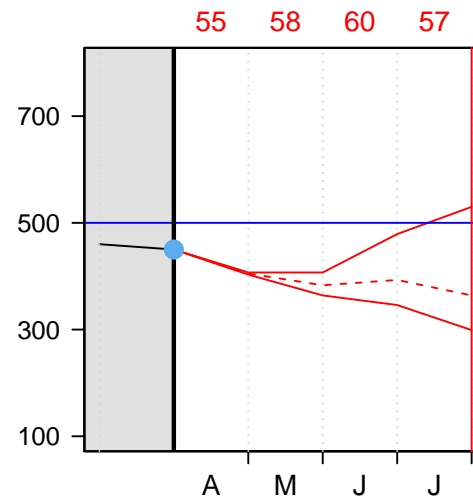
Let's see which release option our volunteer will choose.



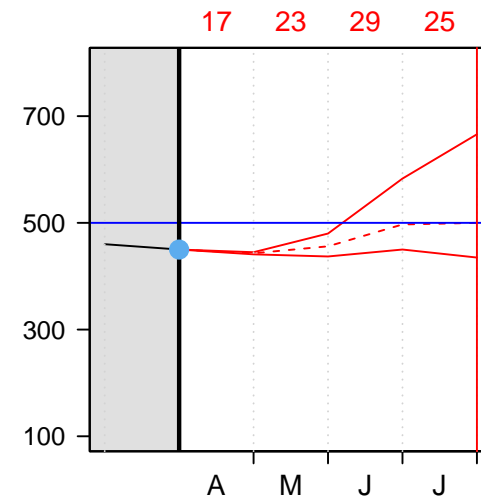
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

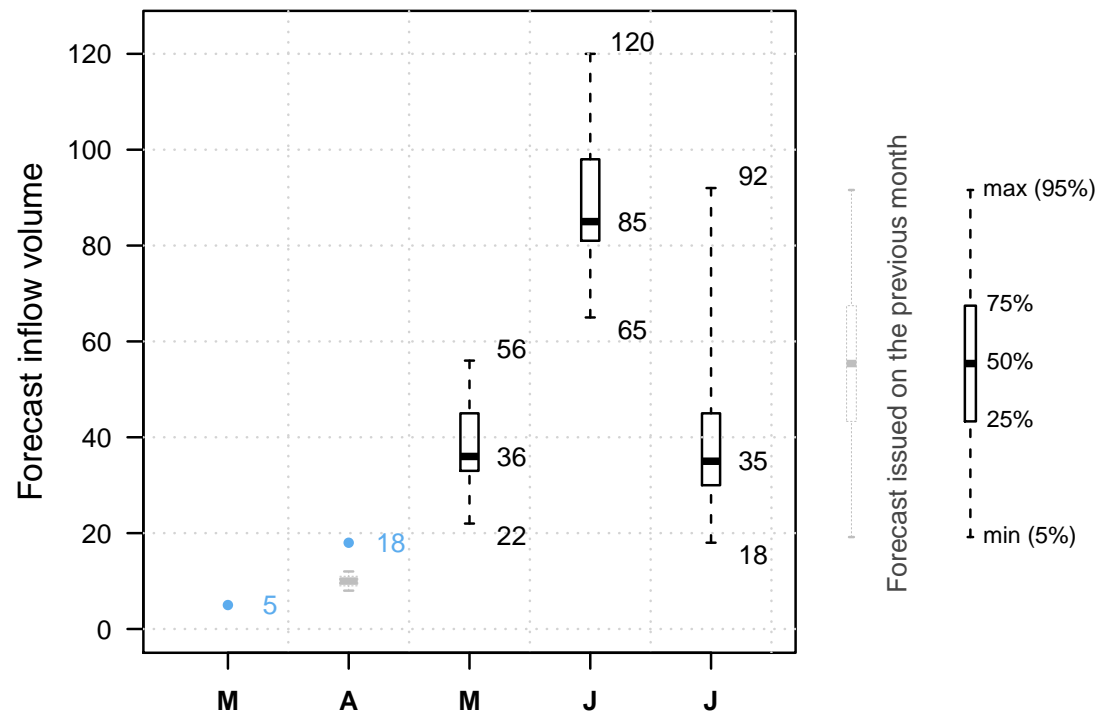


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

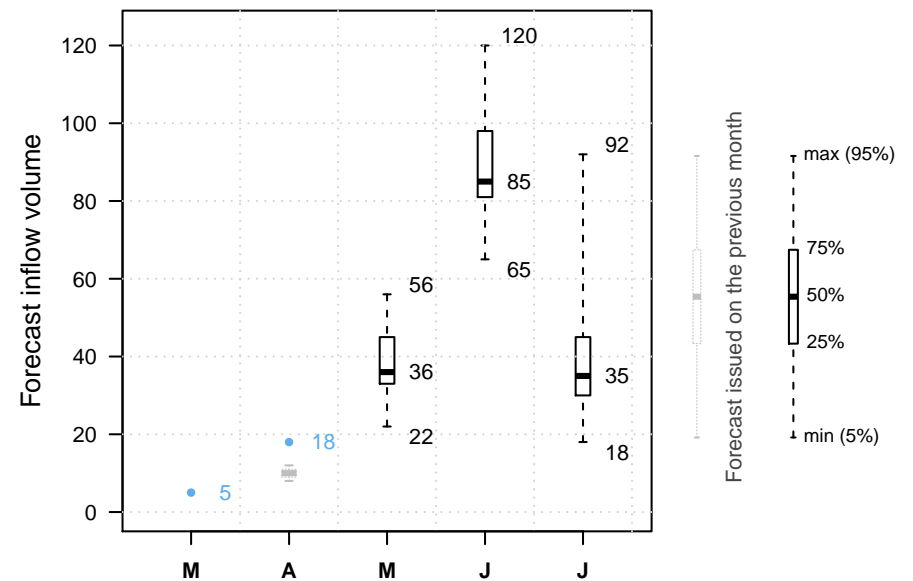
Previous decisions: C



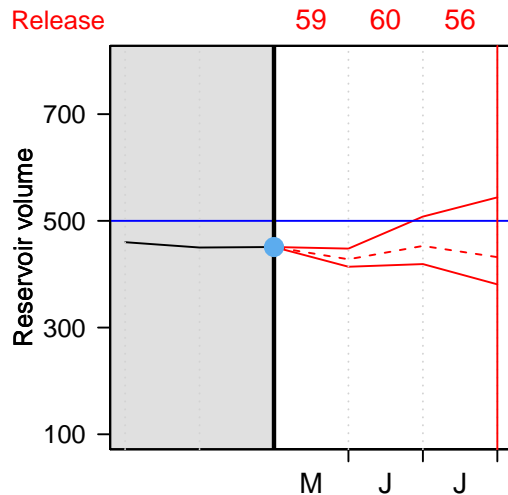
It is May 1st.

And our volunteer?

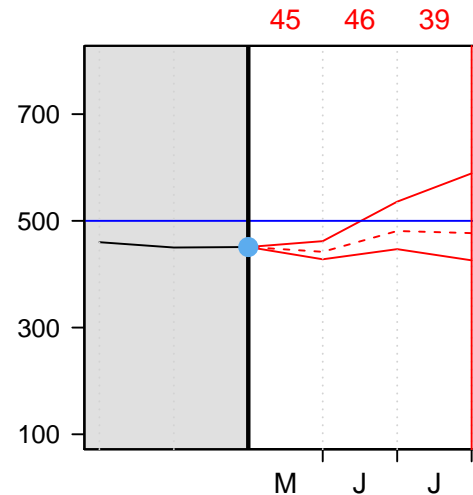
Let's see which release option our volunteer will choose.



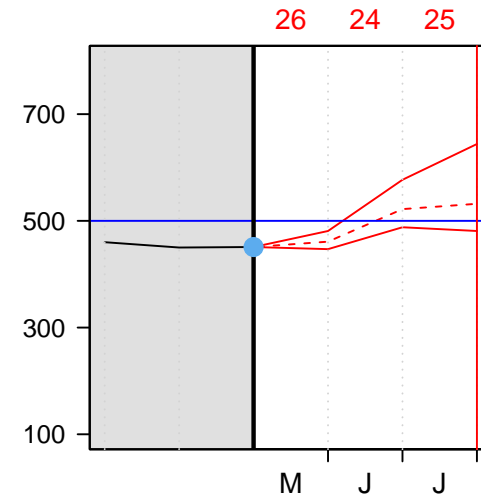
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

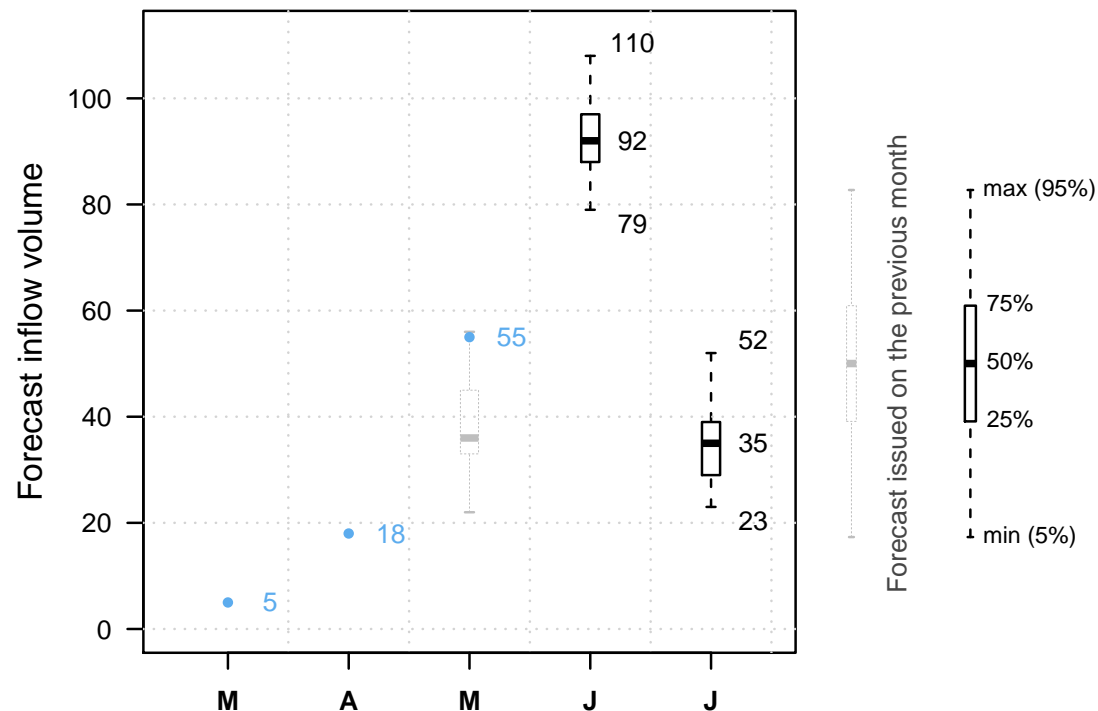


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

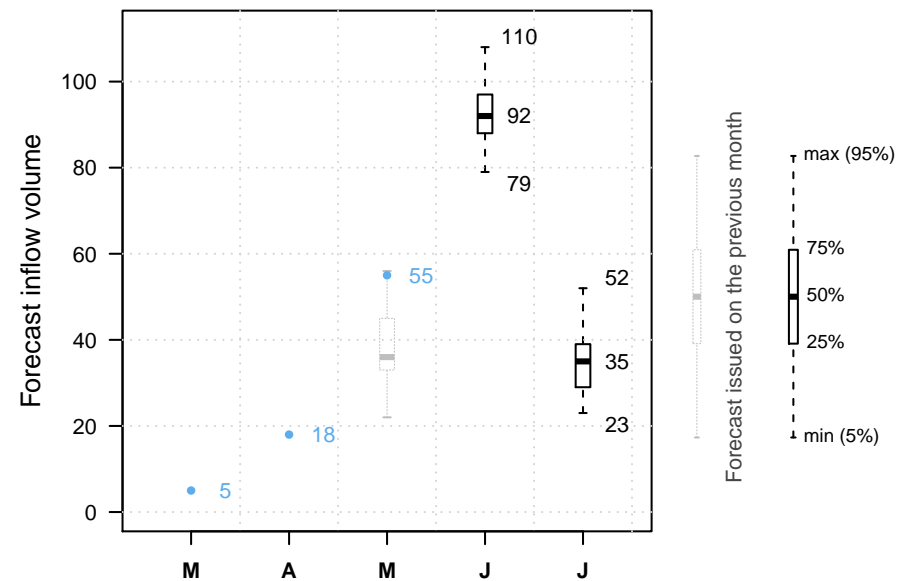
Previous decisions: C B



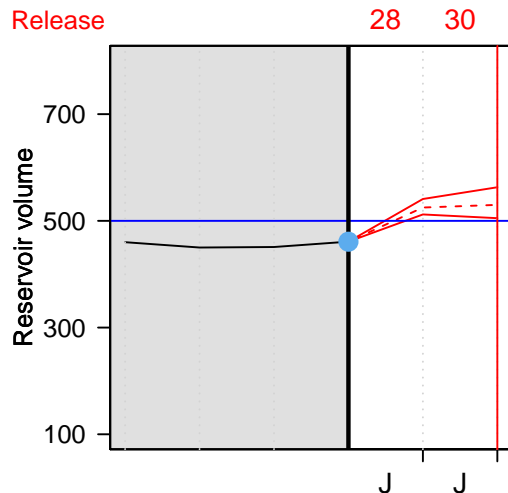
It is June 1st.

And our volunteer?

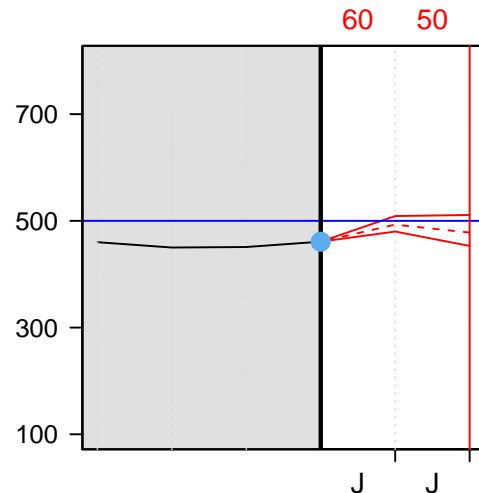
Let's see which release option our volunteer will choose.



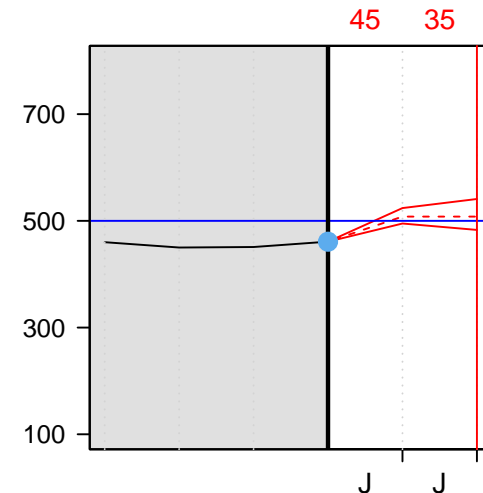
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 553 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

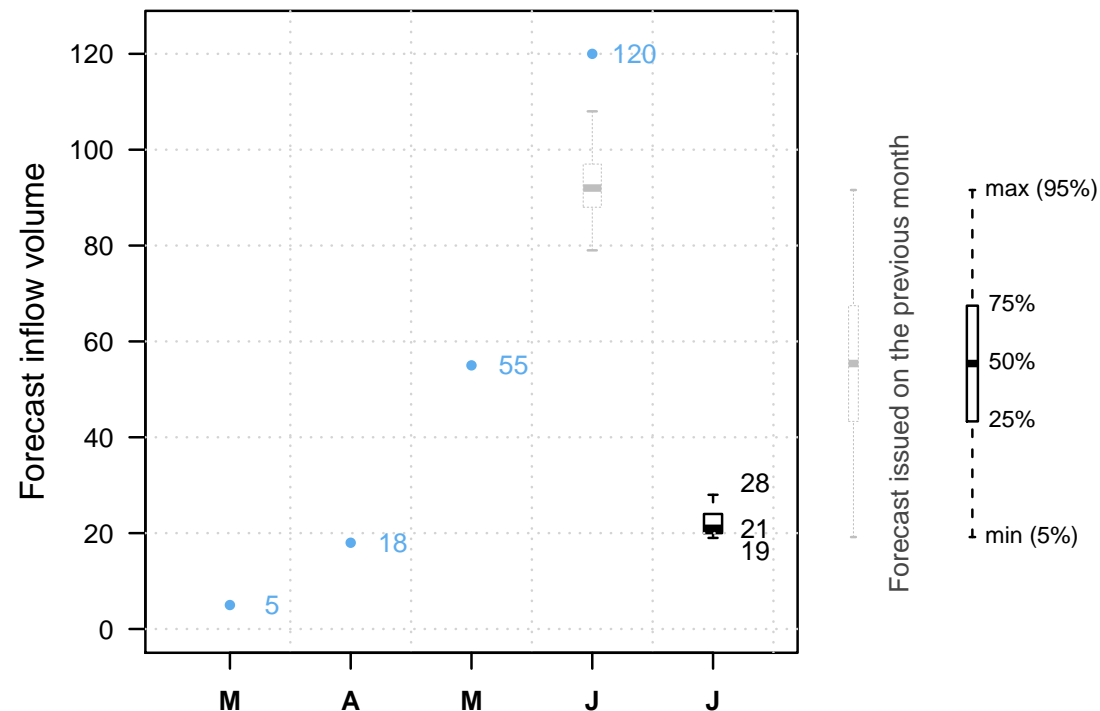


It is July 1st.

The reservoir is at  $553 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

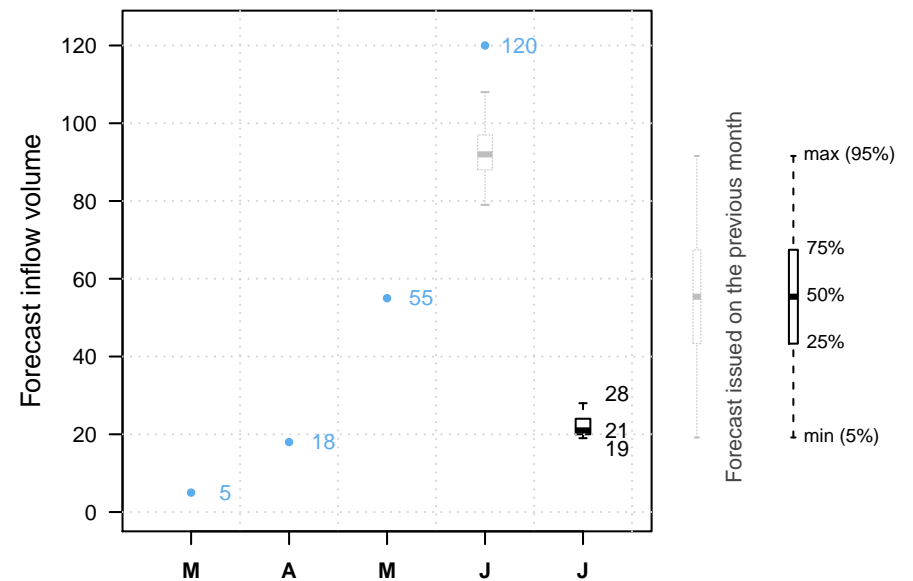
Previous decisions: C B A



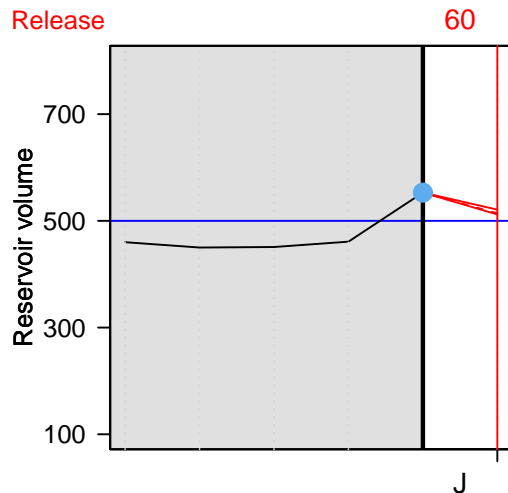
It is July 1st.

And our volunteer?

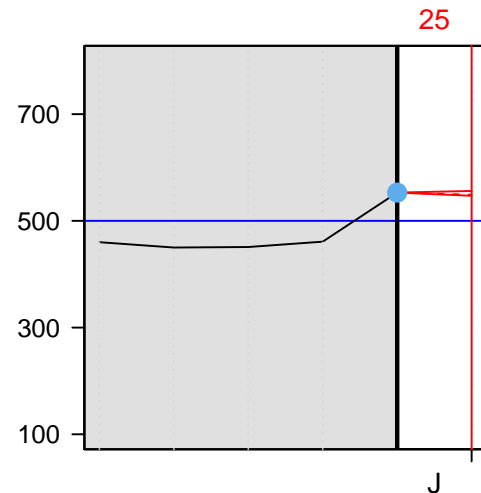
Let's see which release option our volunteer will choose.



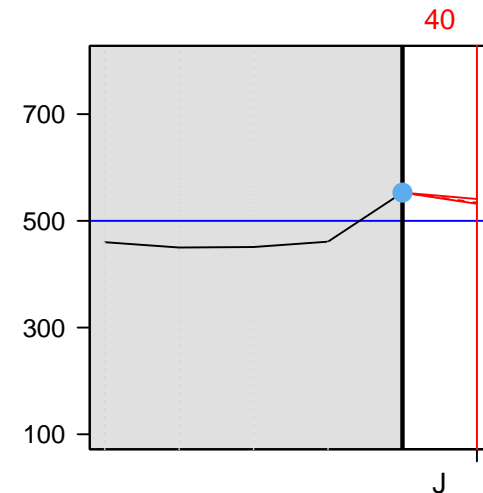
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$553 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 515 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

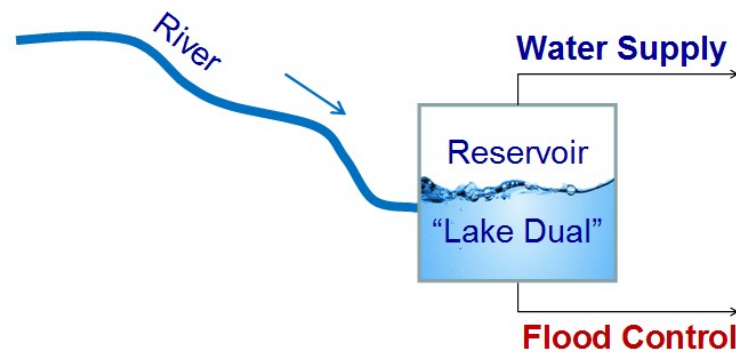
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



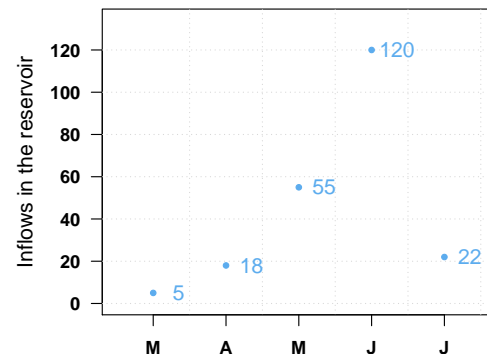
Swof Town



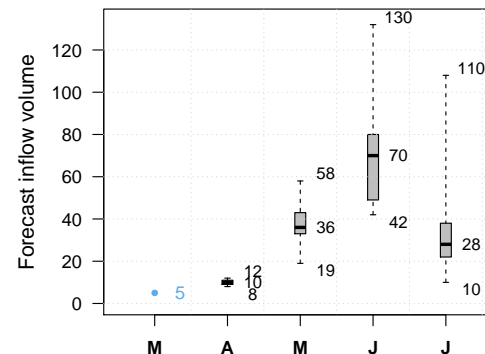
Safe Town



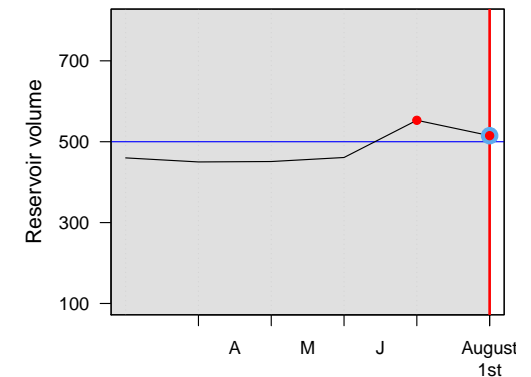
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

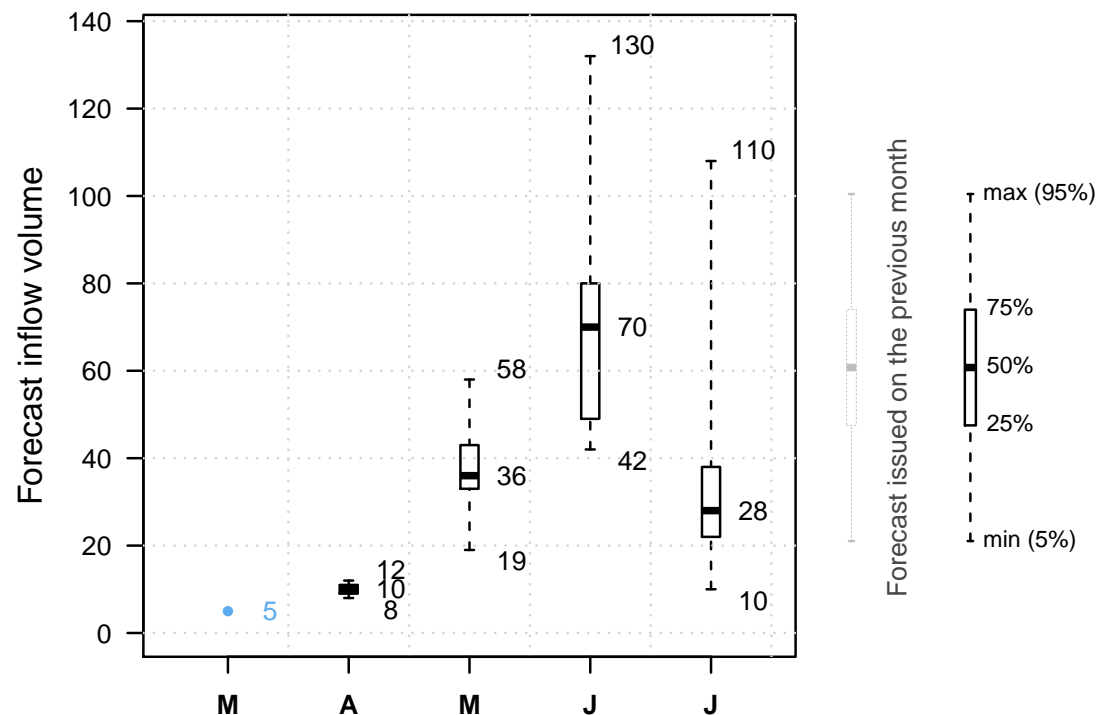


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

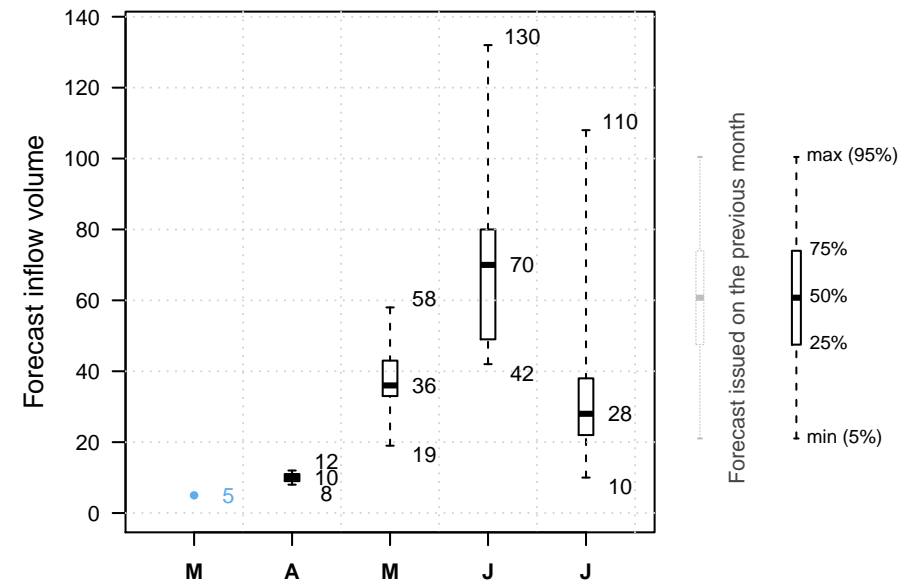
NEXT



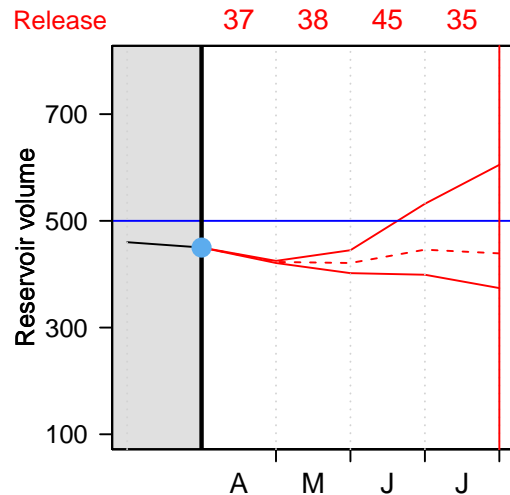
It is April 1st.

And our volunteer?

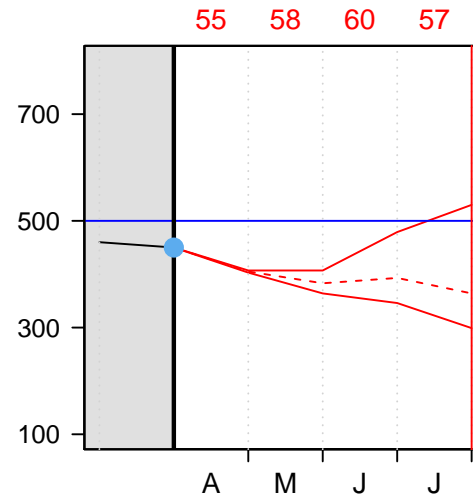
Let's see which release option our volunteer will choose.



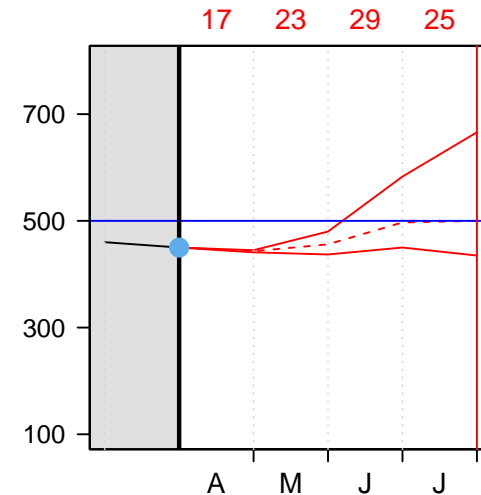
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

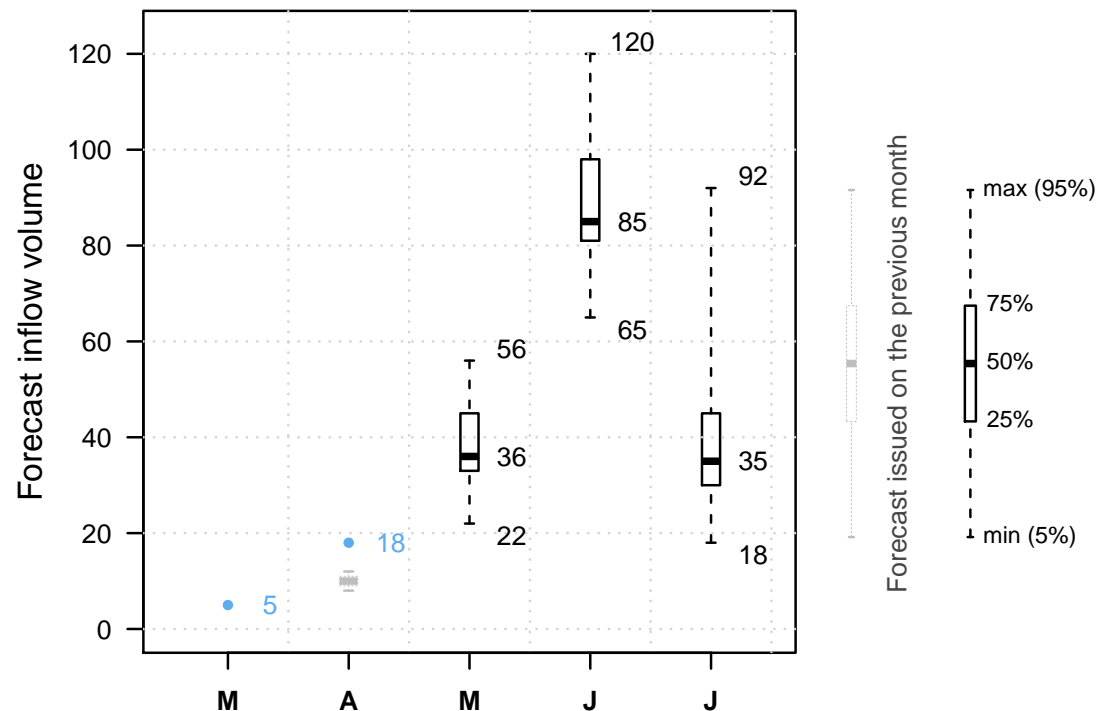


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

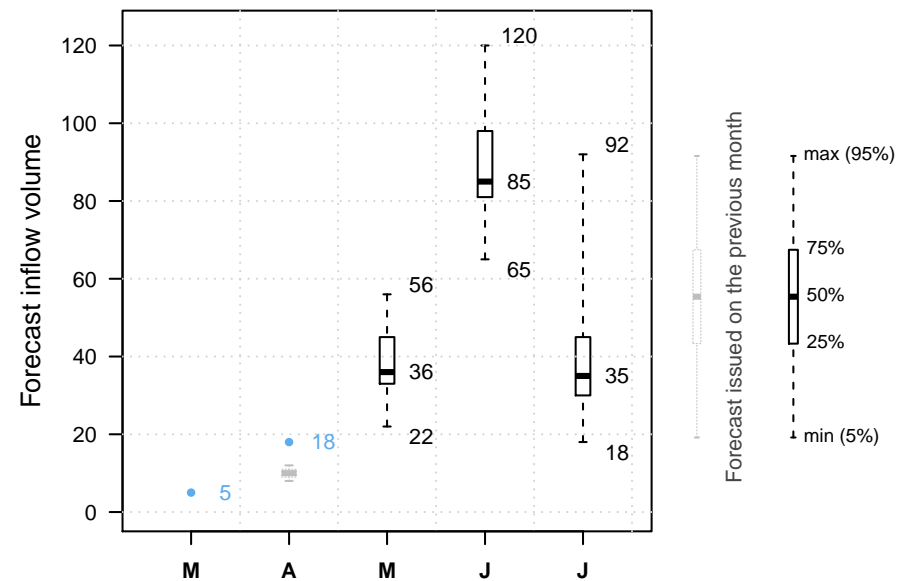
Previous decisions: A



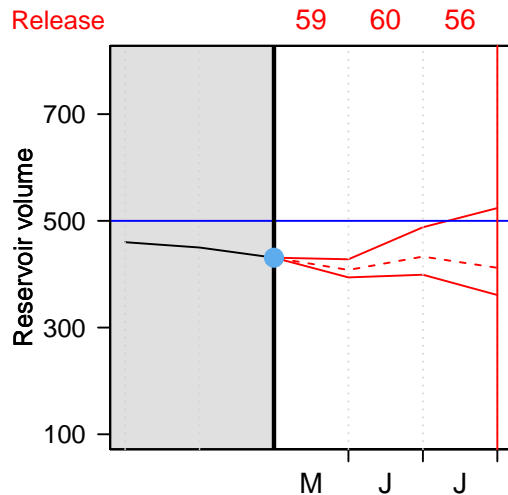
It is May 1st.

And our volunteer?

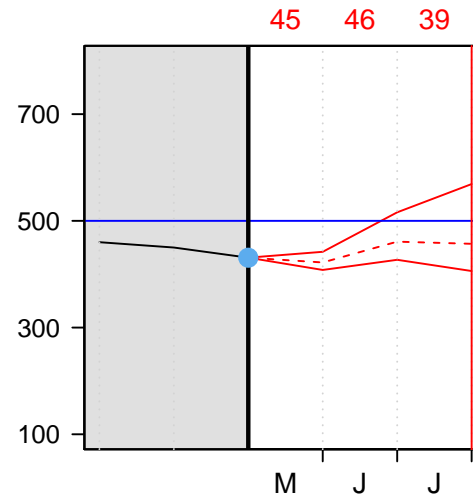
Let's see which release option our volunteer will choose.



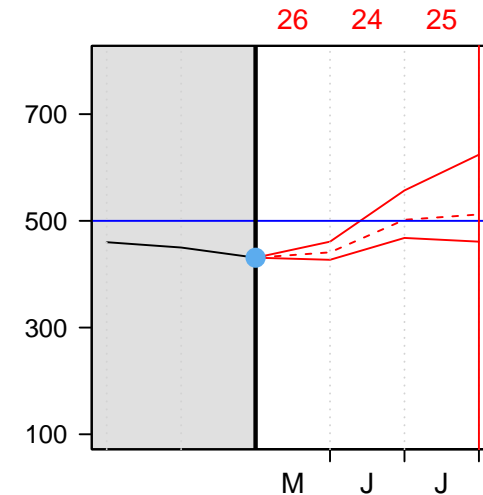
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

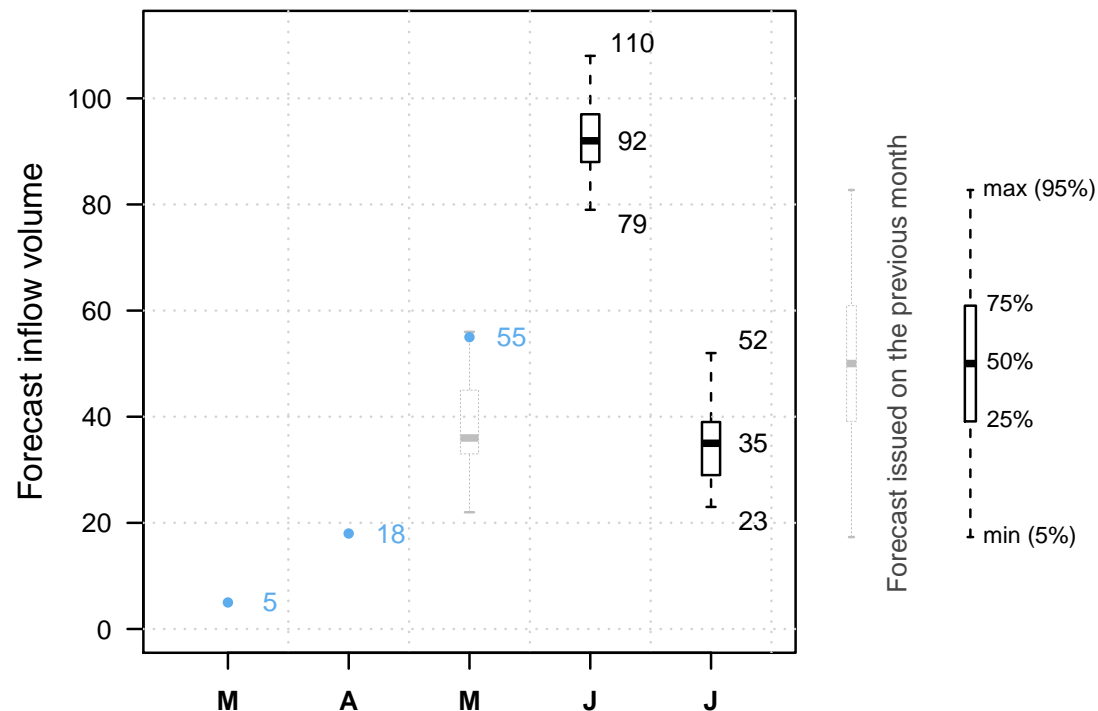


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

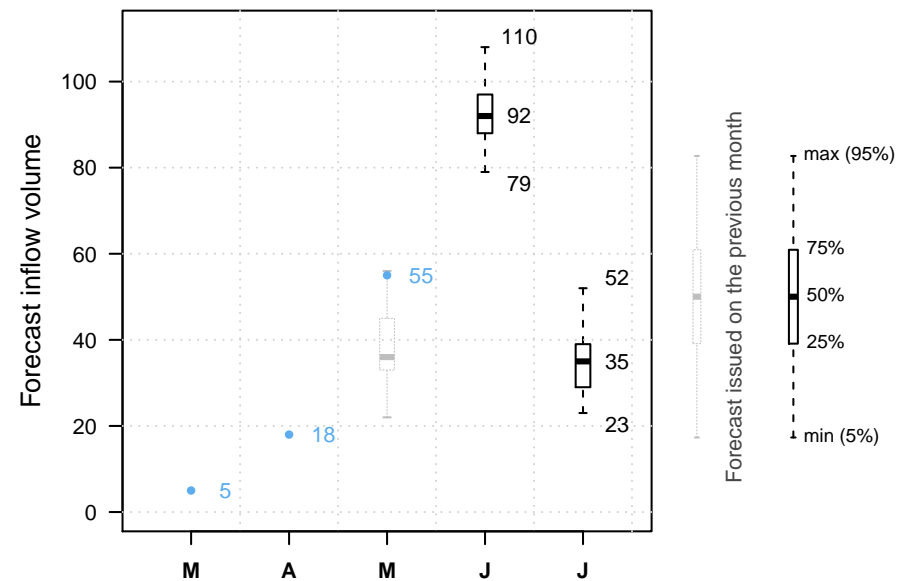
Previous decisions: A C



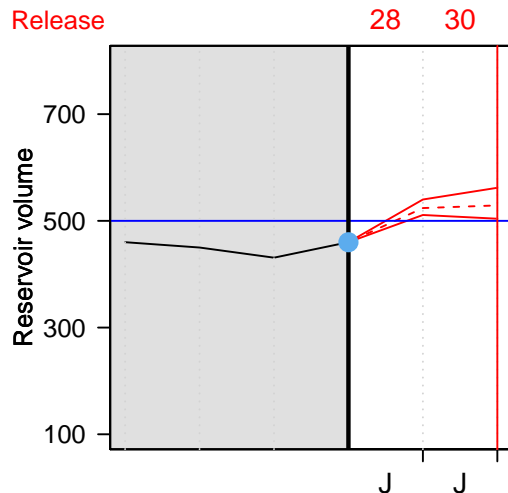
It is June 1st.

And our volunteer?

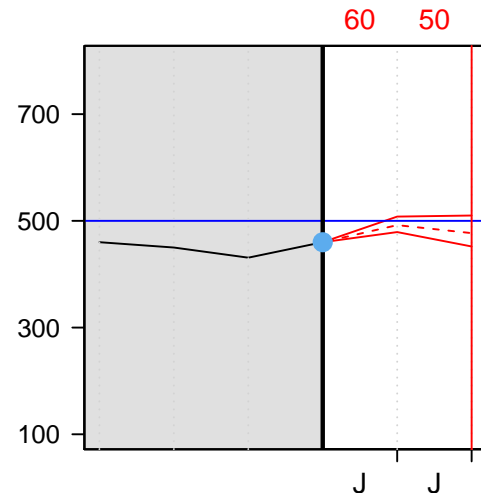
Let's see which release option our volunteer will choose.



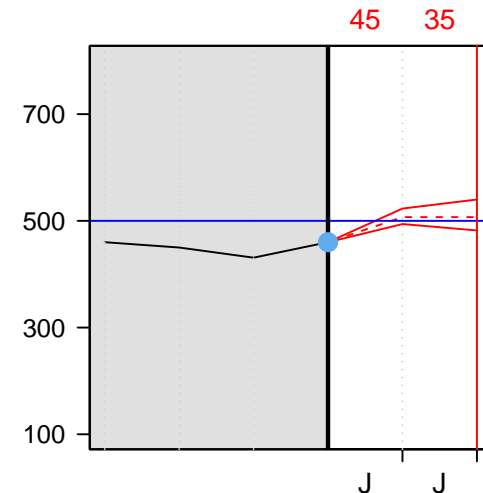
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 552 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

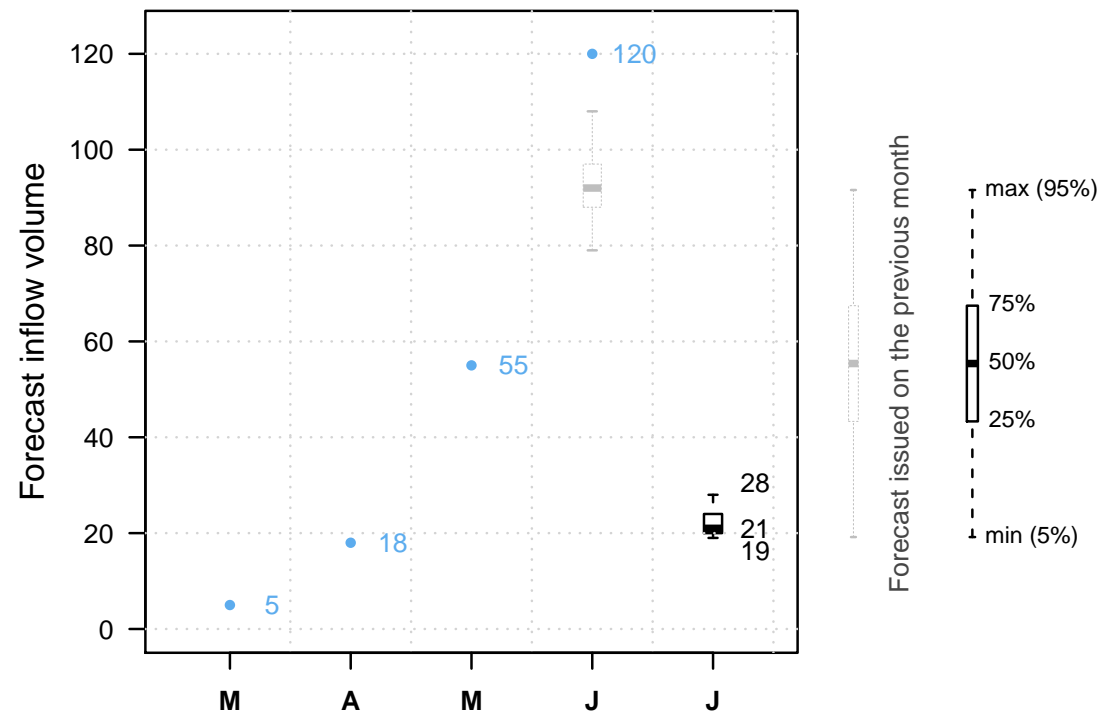


It is July 1st.

The reservoir is at  $552 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

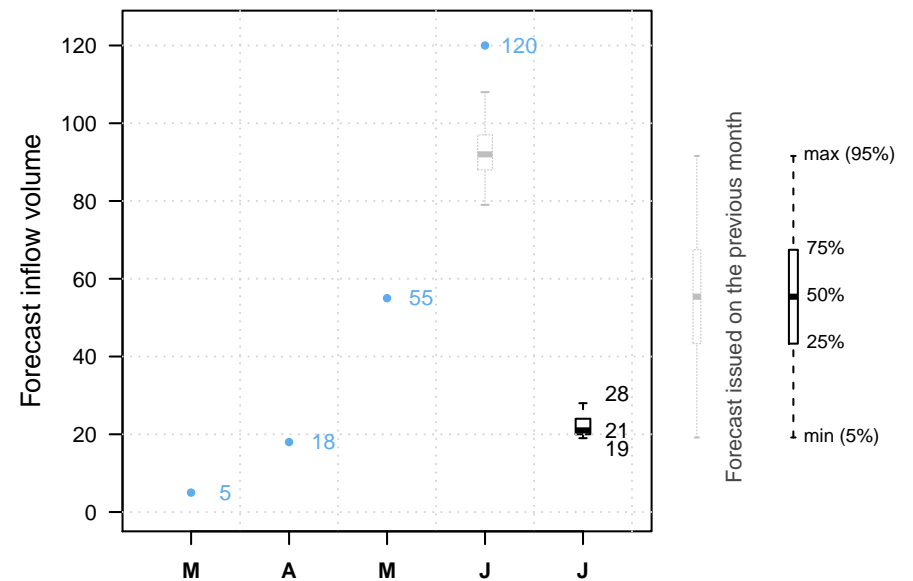
Previous decisions: A C A



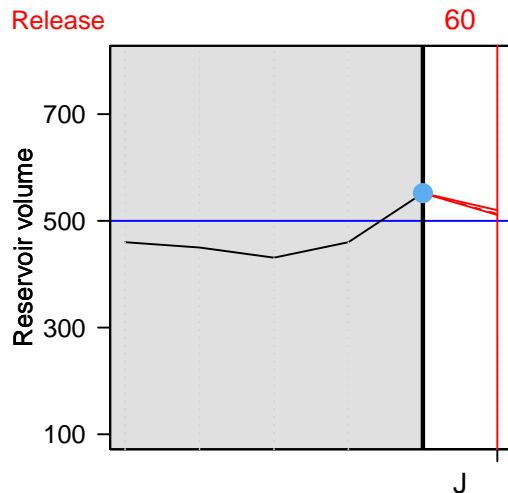
It is July 1st.

And our volunteer?

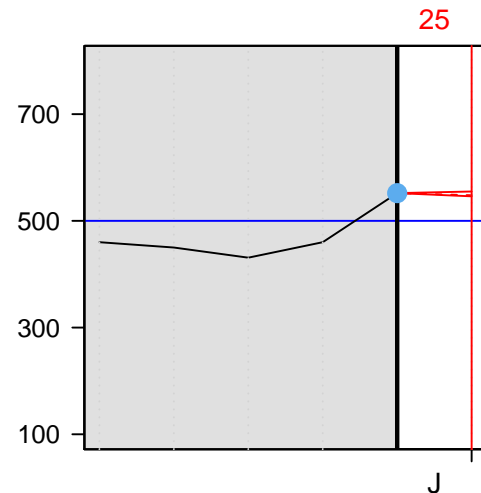
Let's see which release option our volunteer will choose.



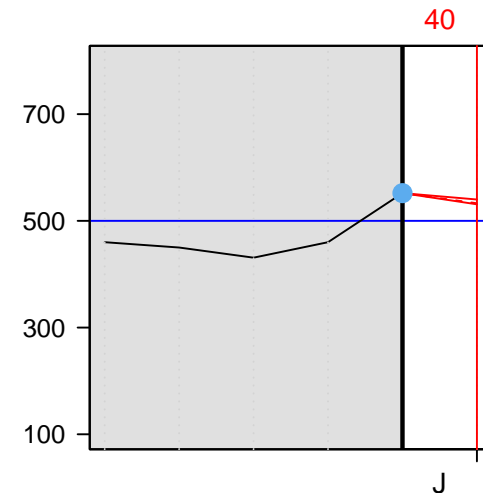
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$552 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 514 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

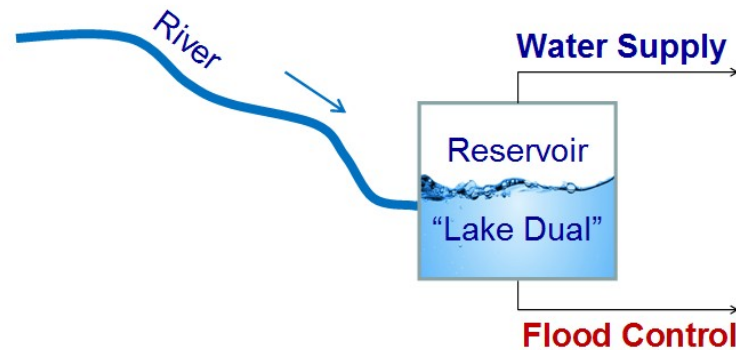
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



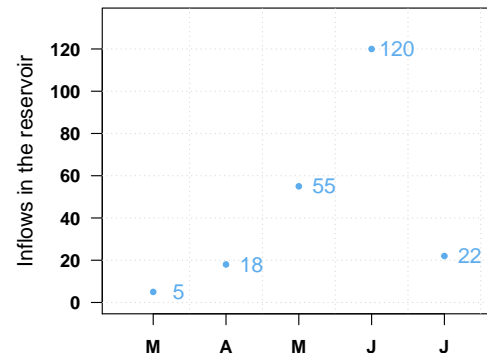
Swof Town



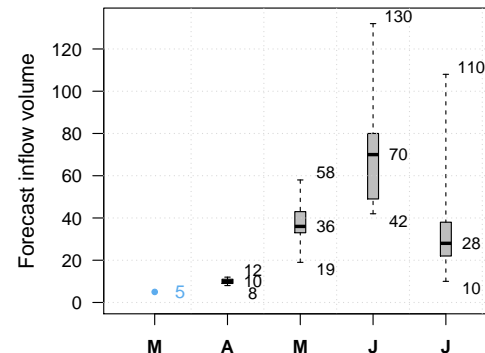
Safe Town



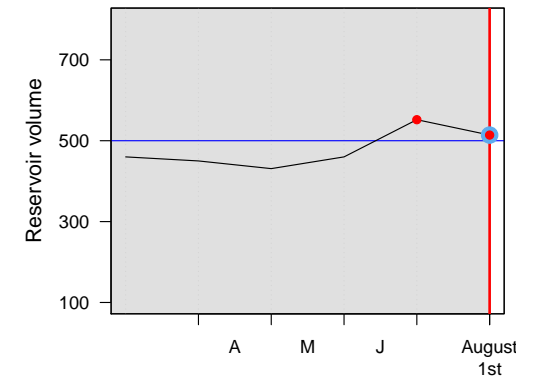
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

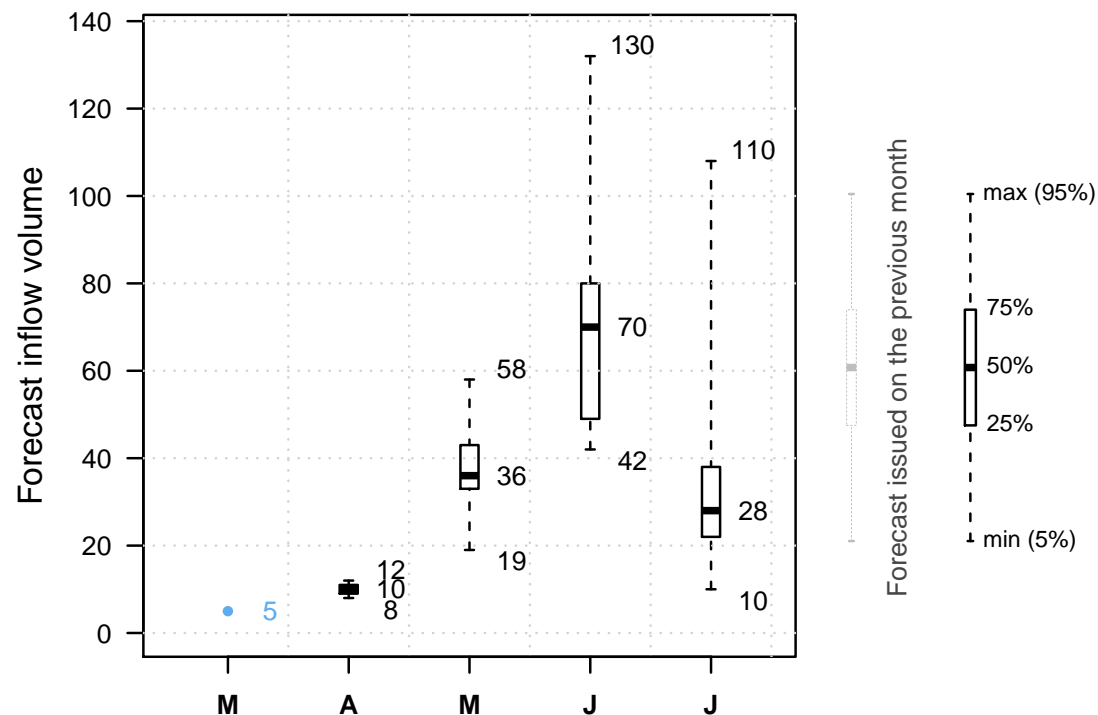


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

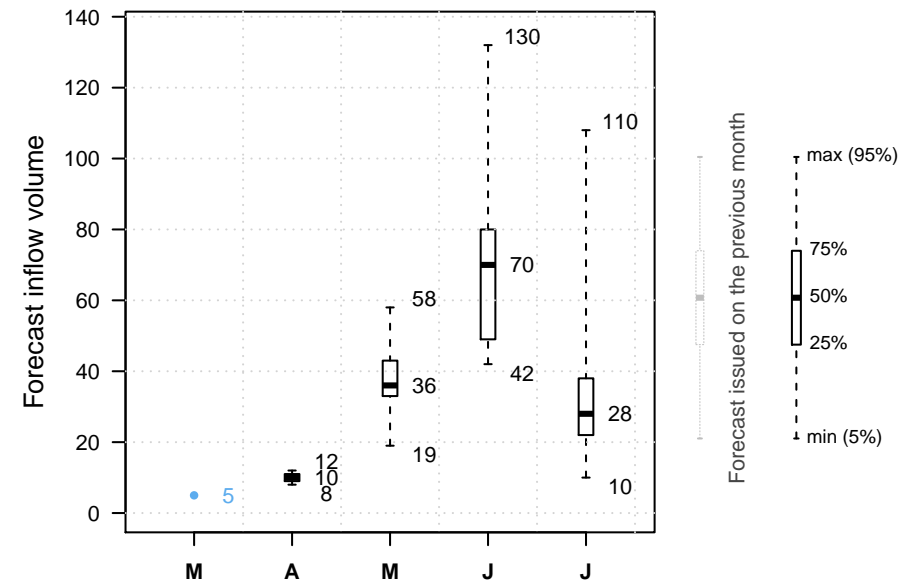
NEXT



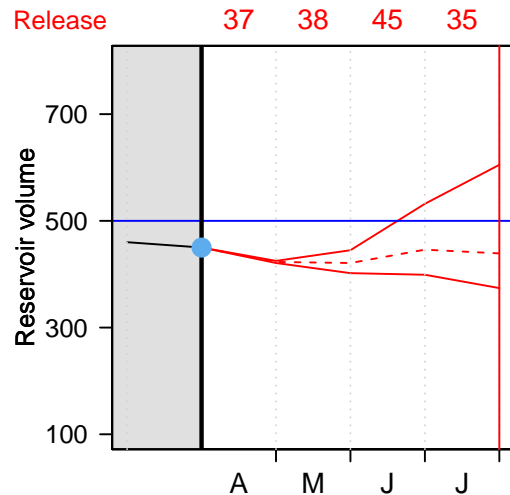
It is April 1st.

And our volunteer?

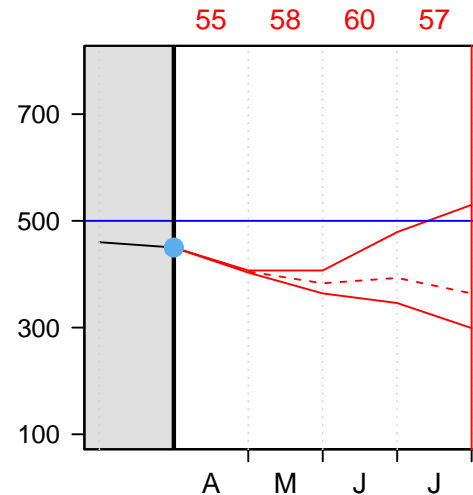
Let's see which release option our volunteer will choose.



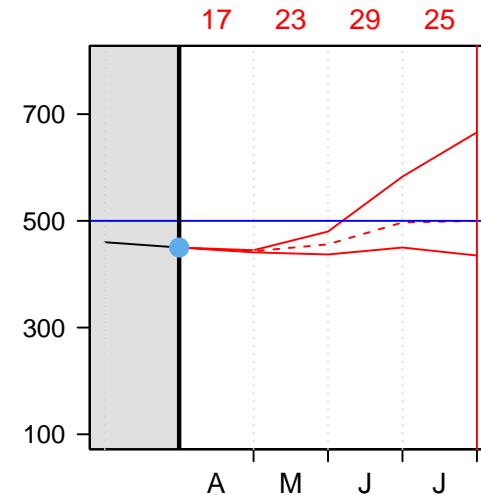
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

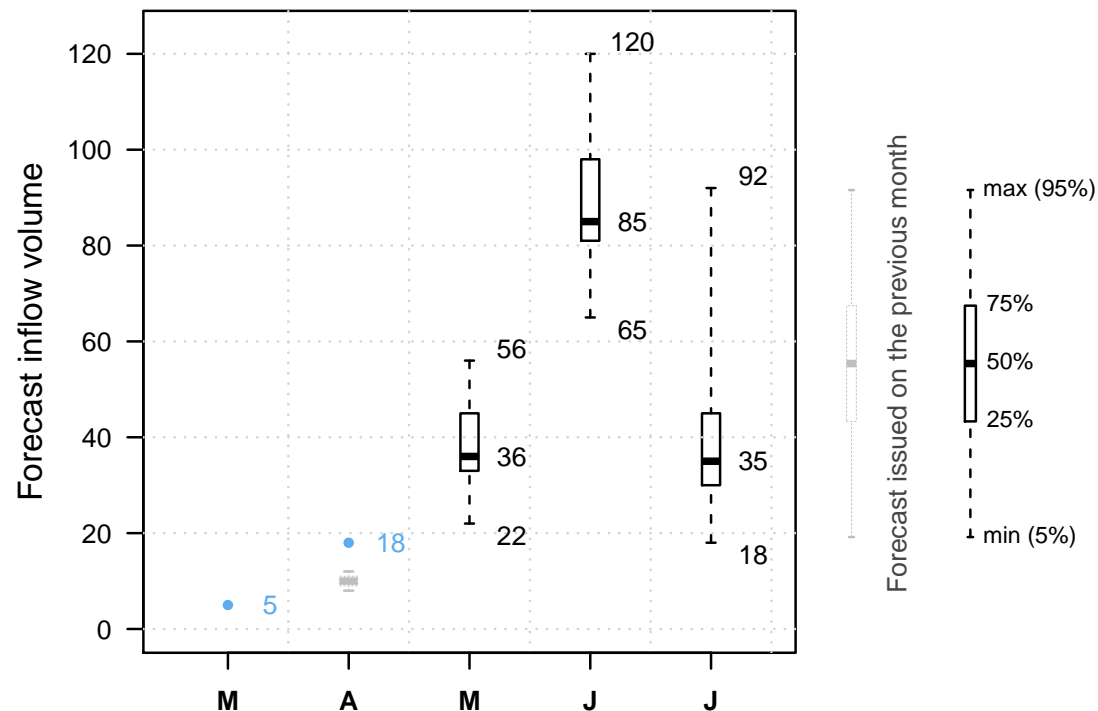


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.



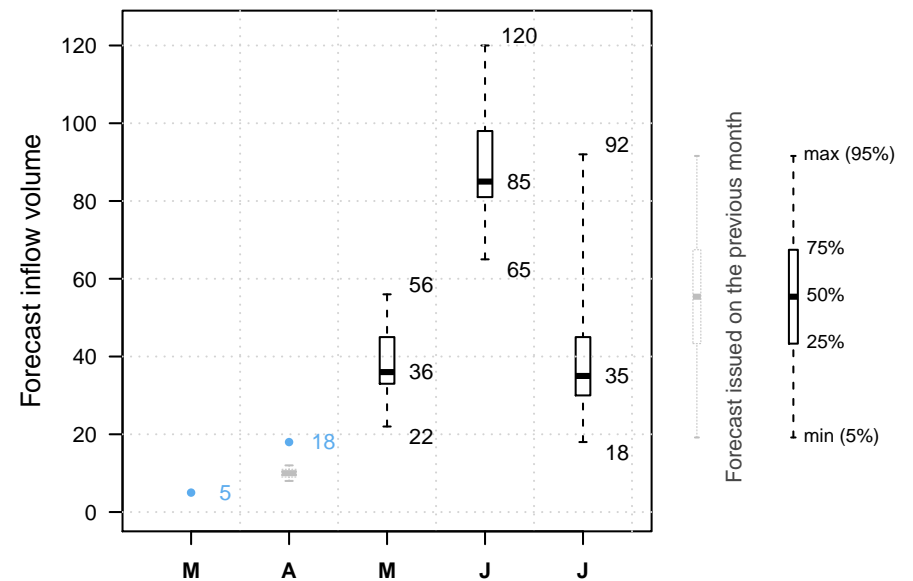
Previous decisions: B



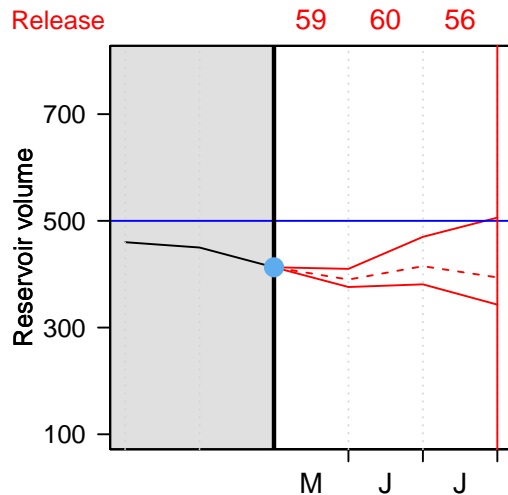
It is May 1st.

And our volunteer?

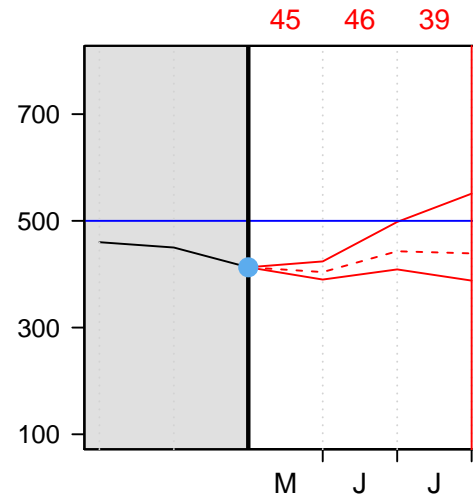
Let's see which release option our volunteer will choose.



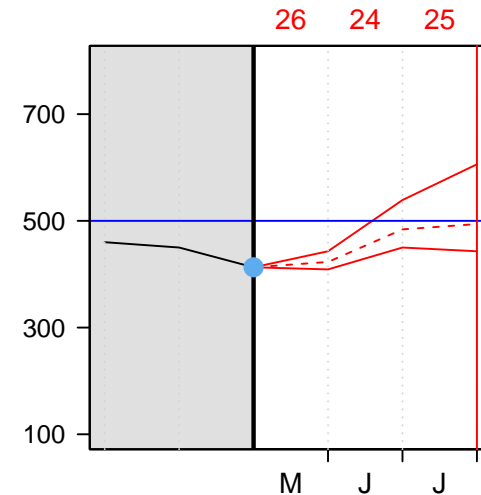
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

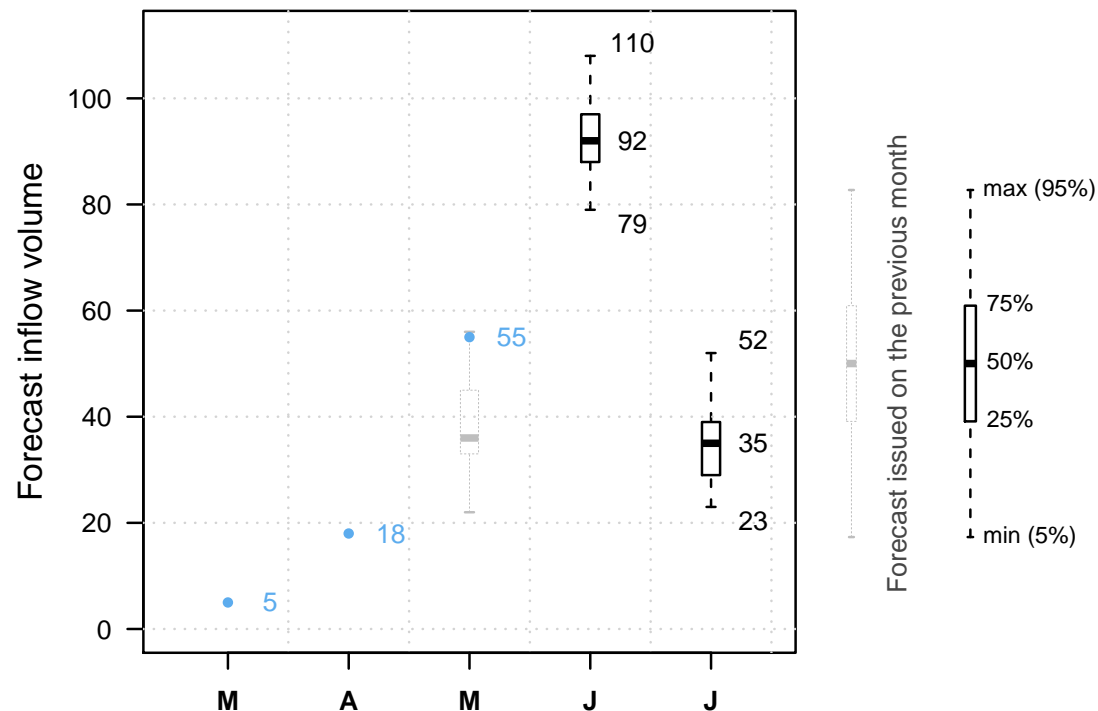


It is June 1st.

The reservoir is at 442  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

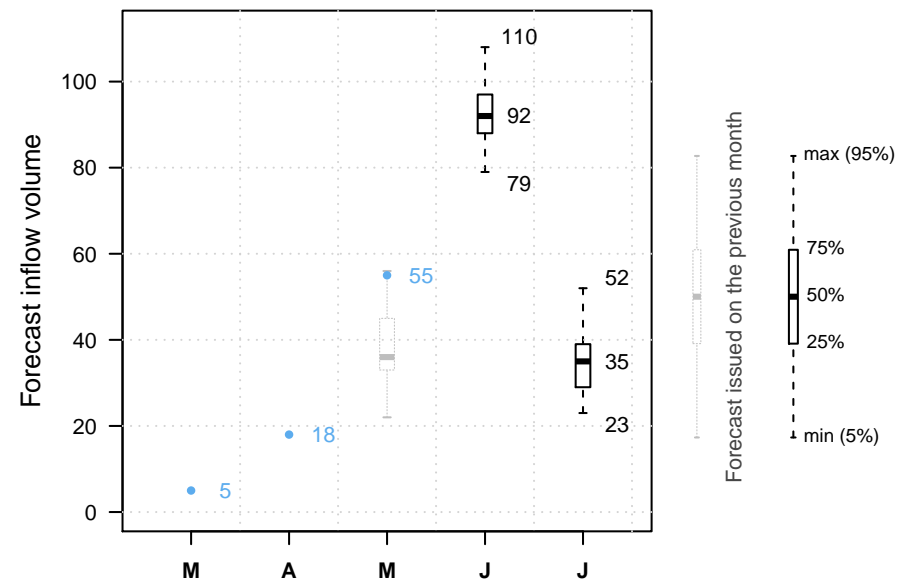
Previous decisions: B C



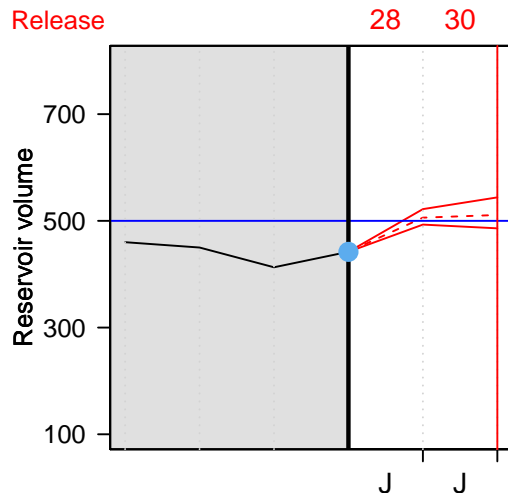
It is June 1st.

And our volunteer?

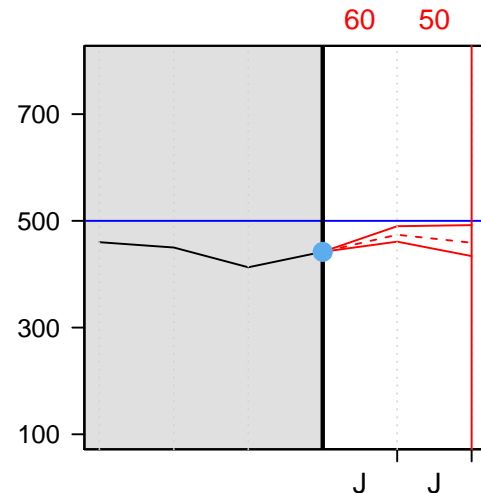
Let's see which release option our volunteer will choose.



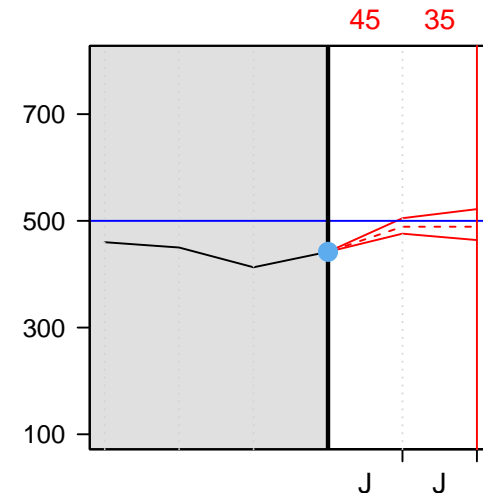
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 534 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

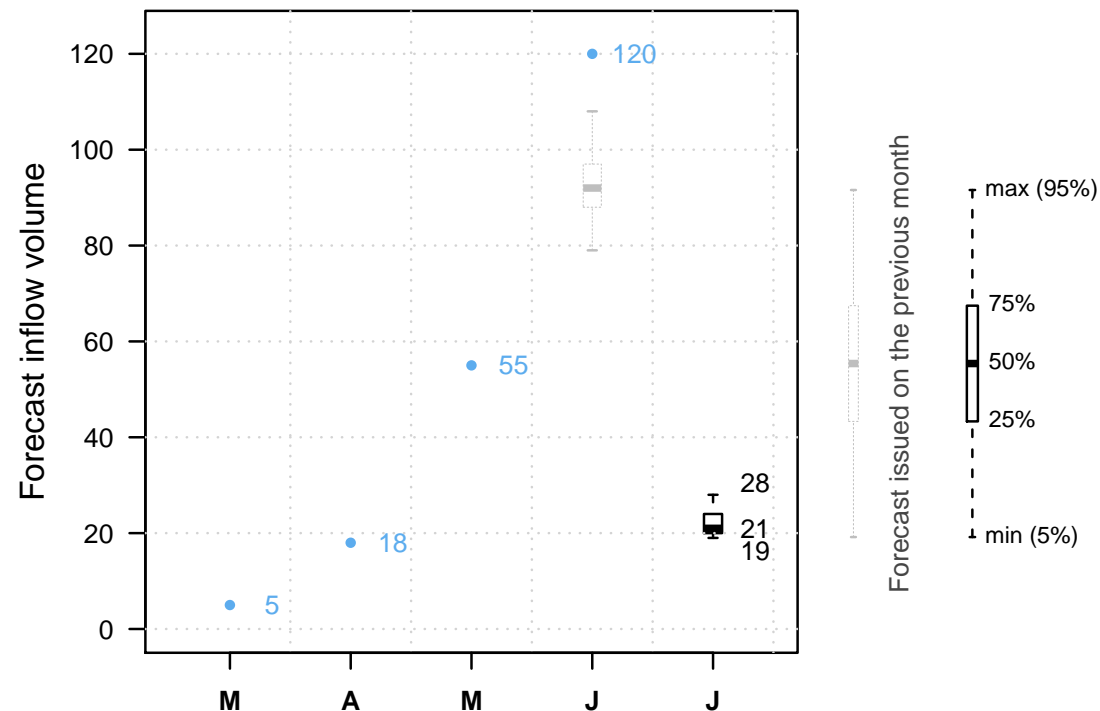


It is July 1st.

The reservoir is at  $534 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



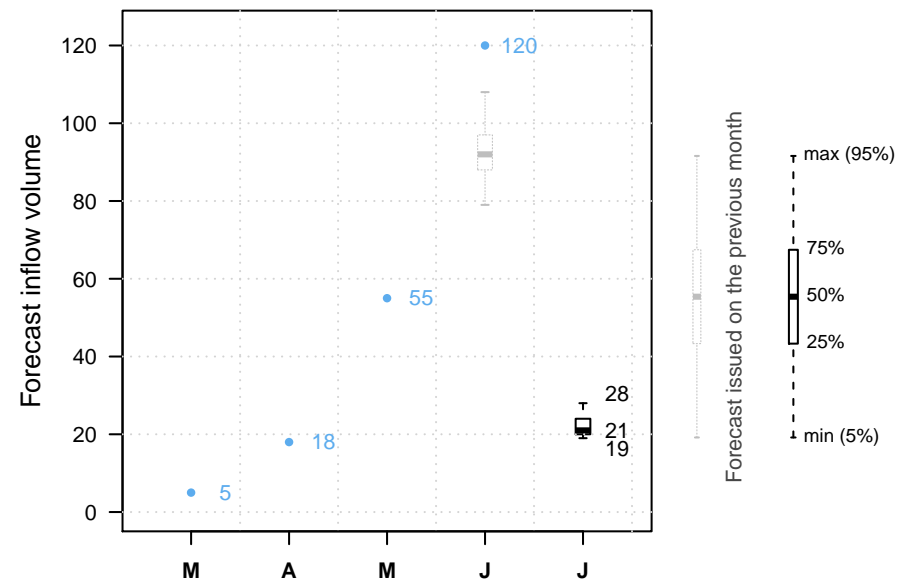
Previous decisions: B C A



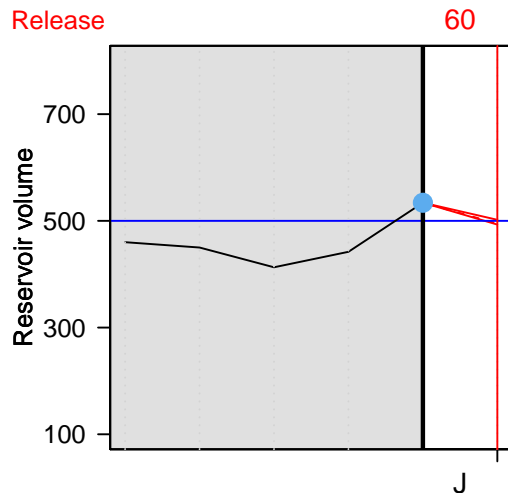
It is July 1st.

And our volunteer?

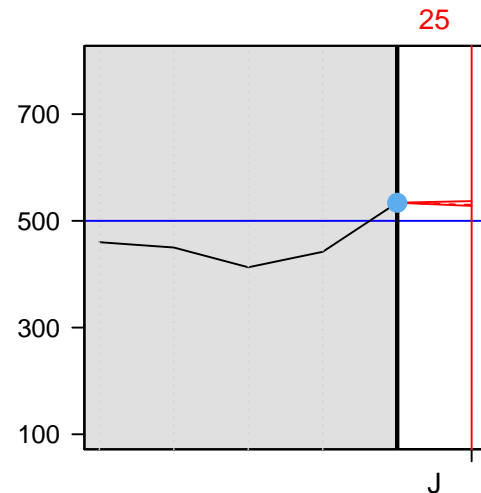
Let's see which release option our volunteer will choose.



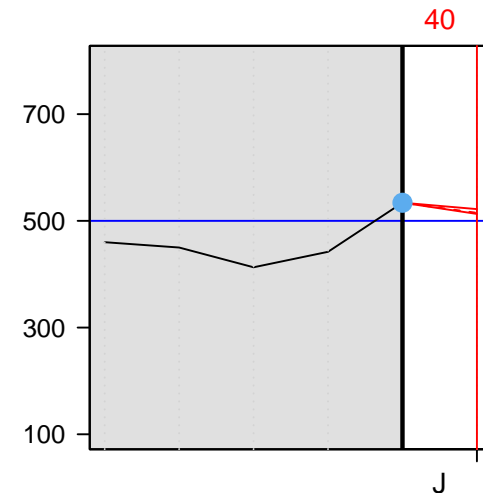
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$534 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 496 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

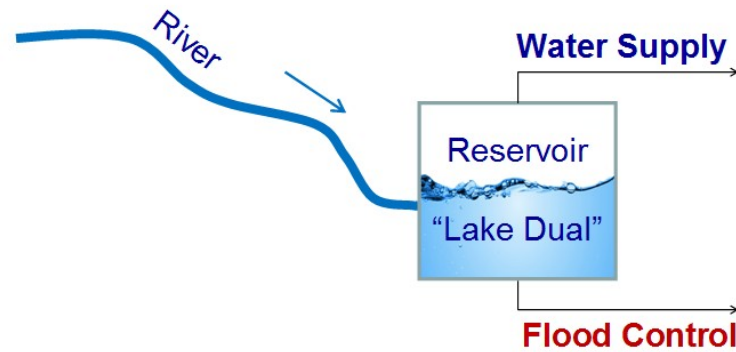
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



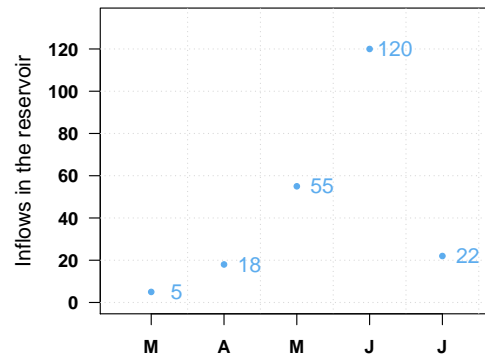
Swof Town



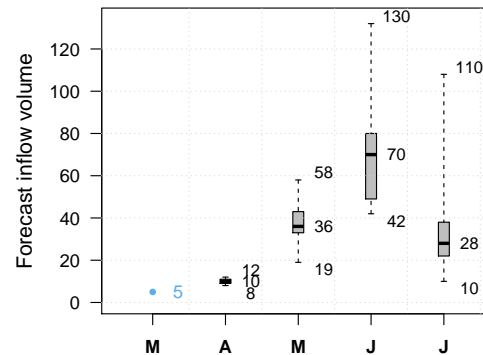
Safe Town



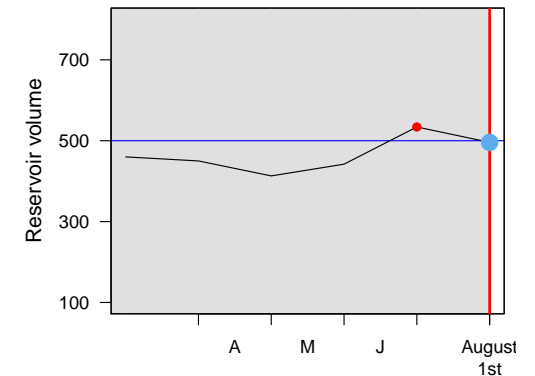
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

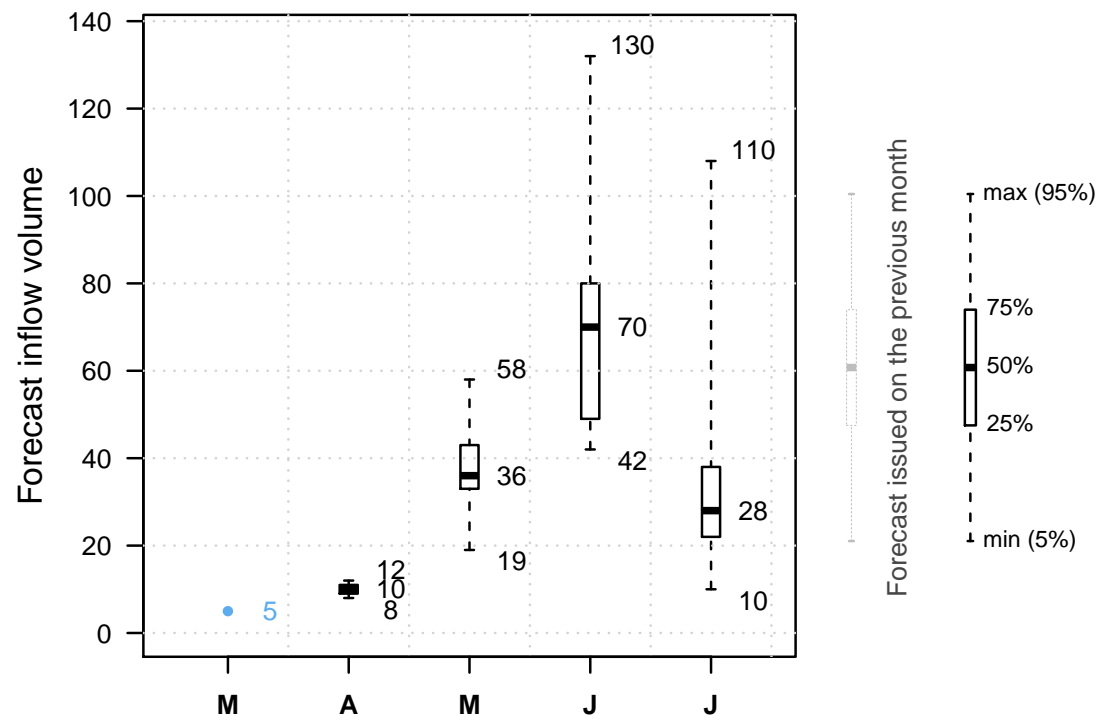


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

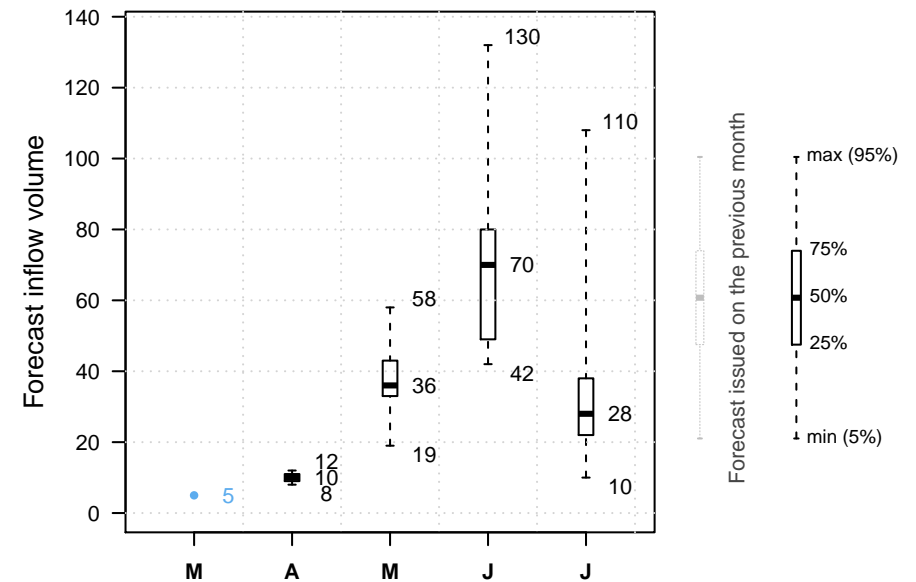
NEXT



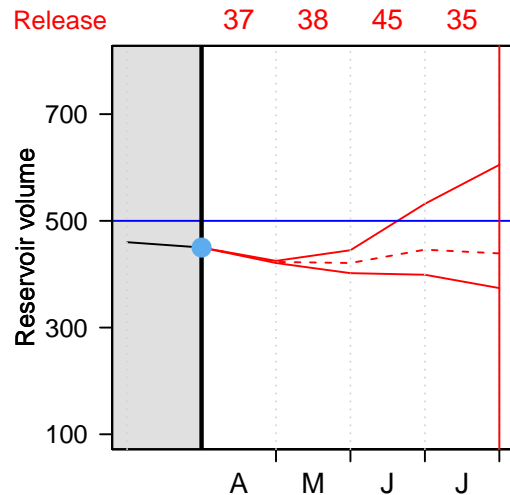
It is April 1st.

And our volunteer?

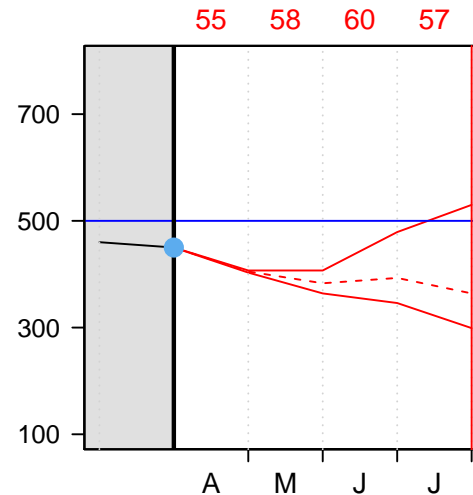
Let's see which release option our volunteer will choose.



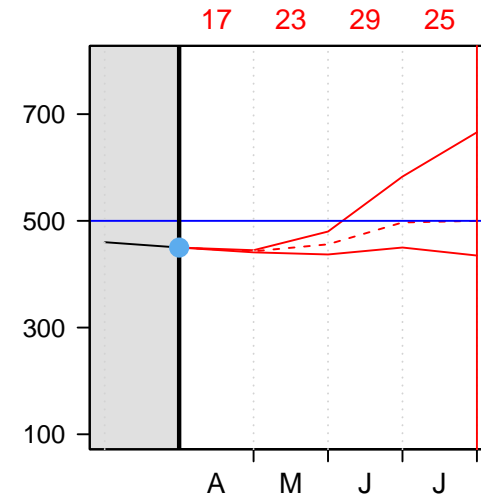
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



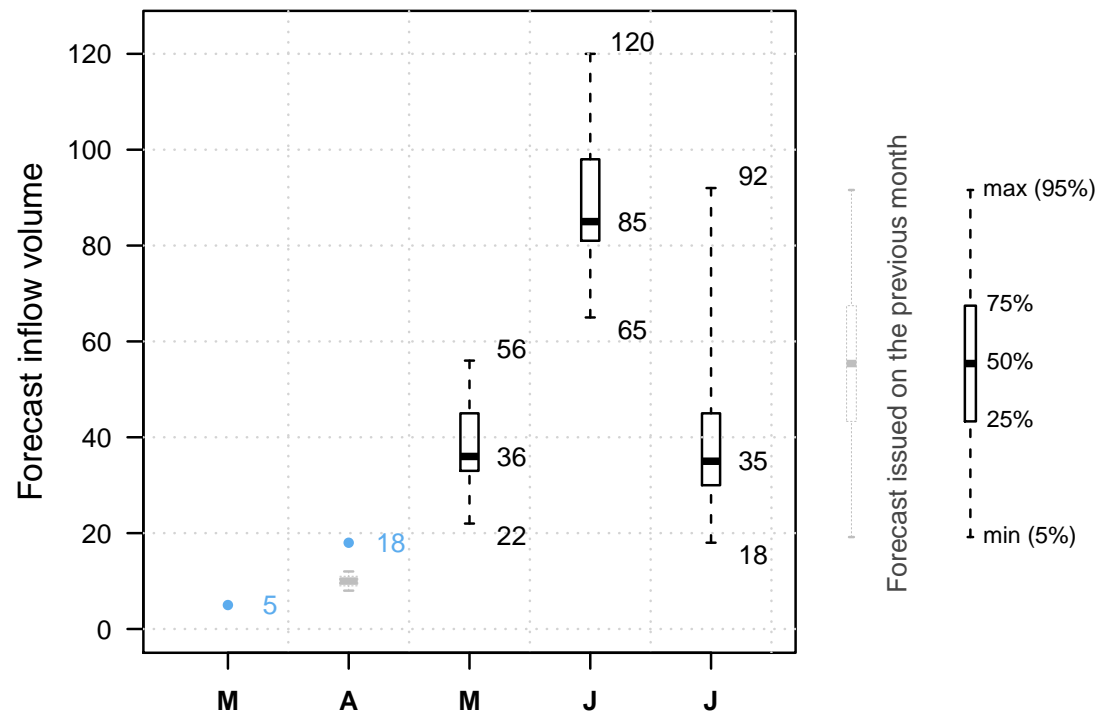


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

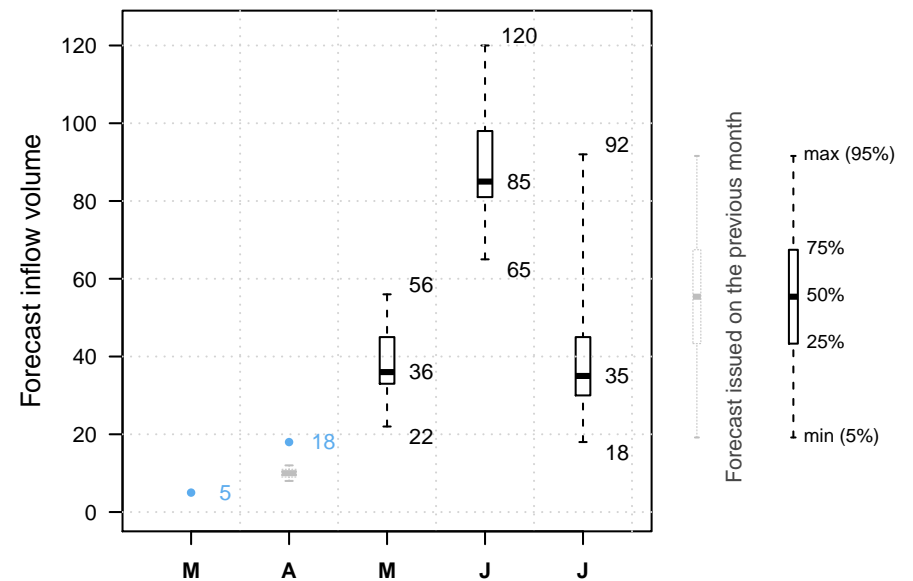
Previous decisions: C



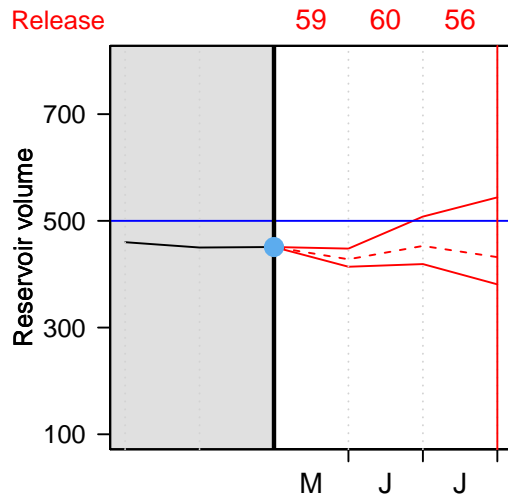
It is May 1st.

And our volunteer?

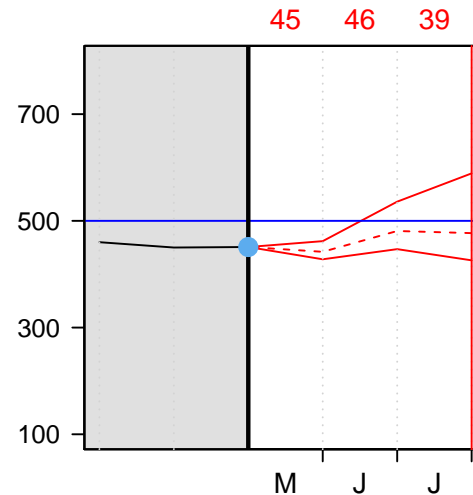
Let's see which release option our volunteer will choose.



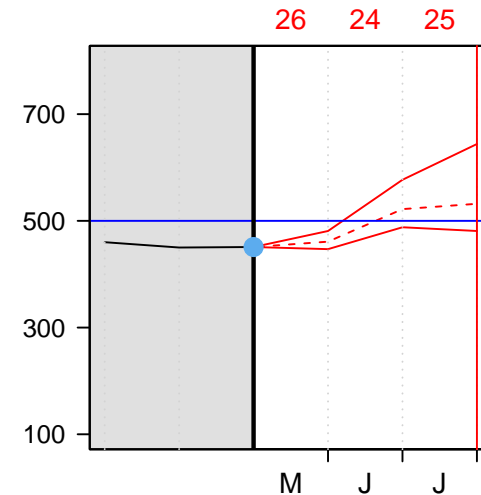
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

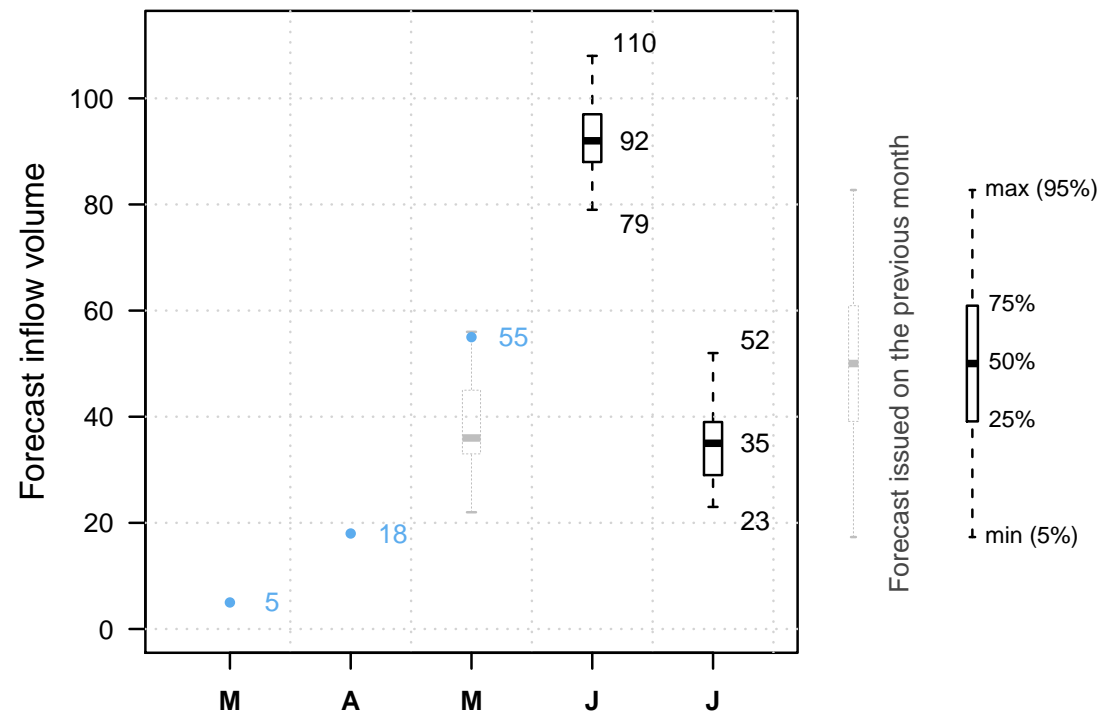


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

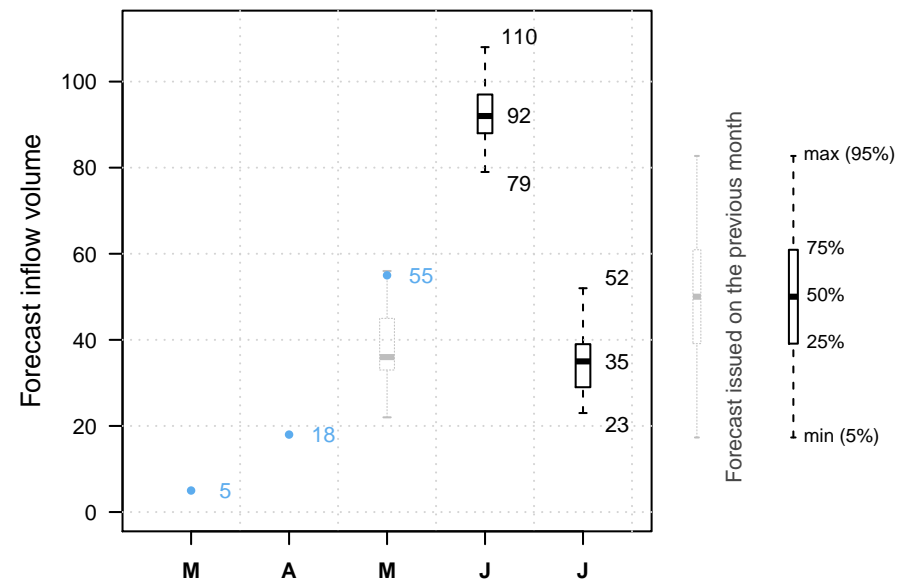
Previous decisions: C C



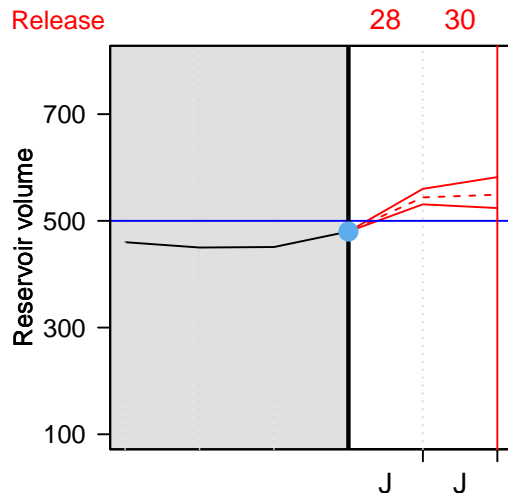
It is June 1st.

And our volunteer?

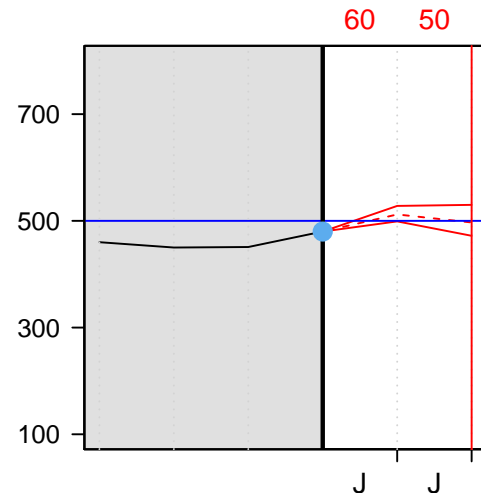
Let's see which release option our volunteer will choose.



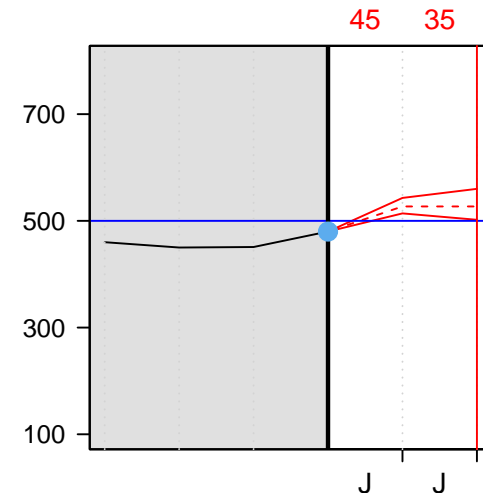
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 572 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



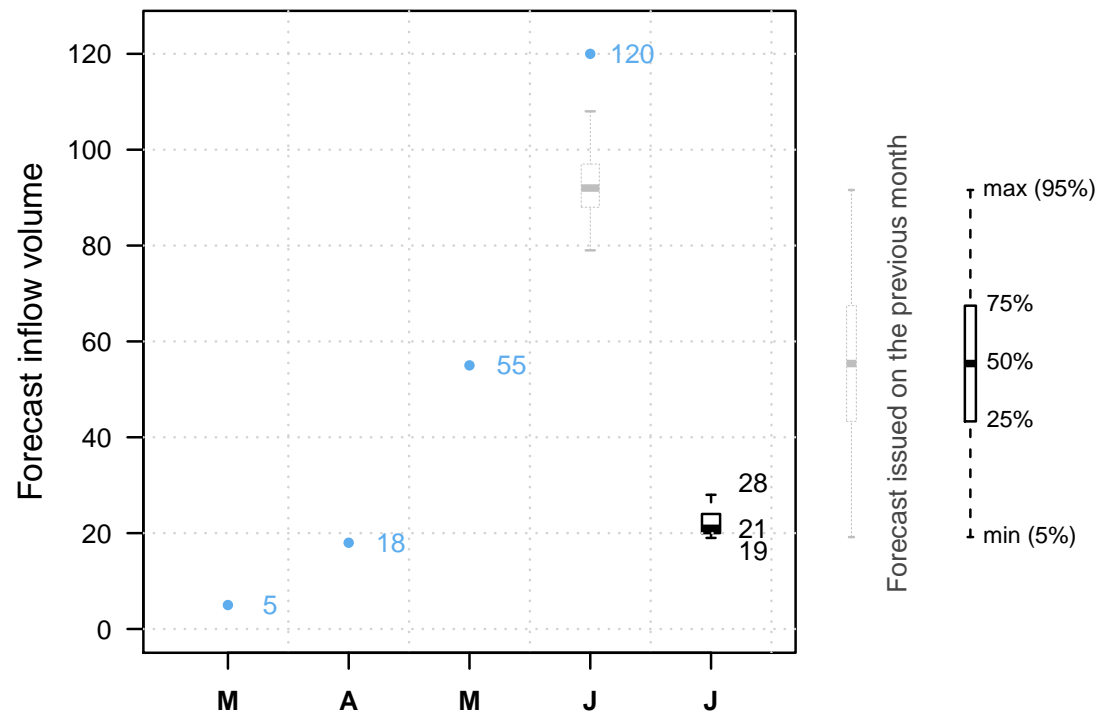


It is July 1st.

The reservoir is at  $572 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

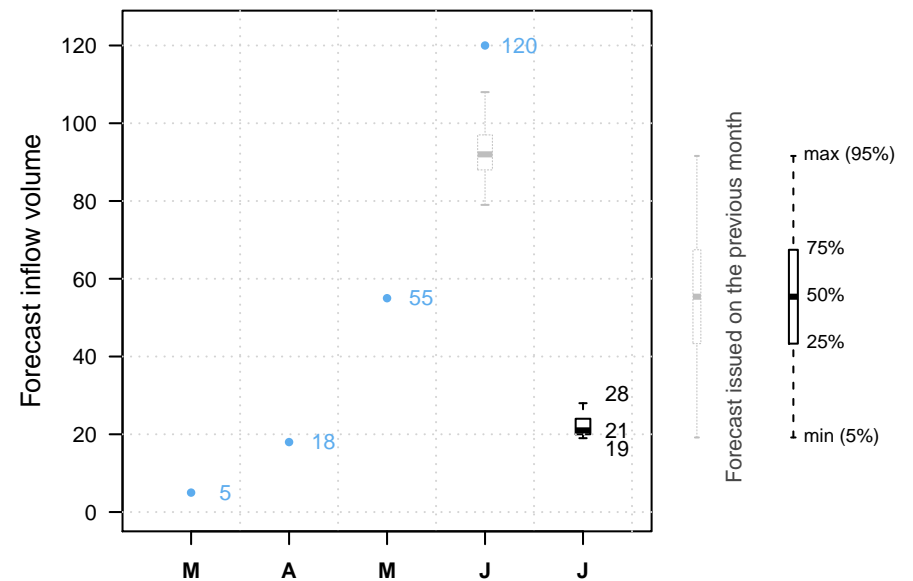
Previous decisions: C C A



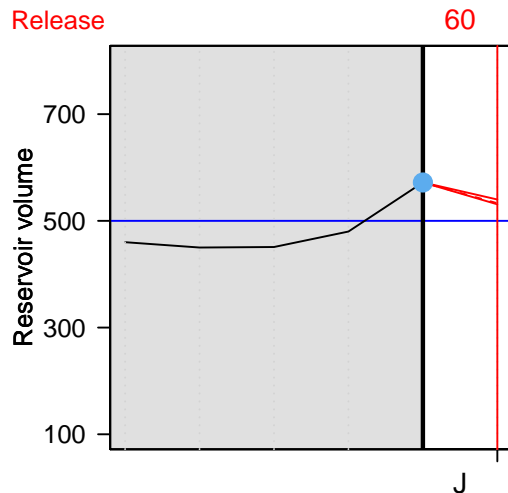
It is July 1st.

And our volunteer?

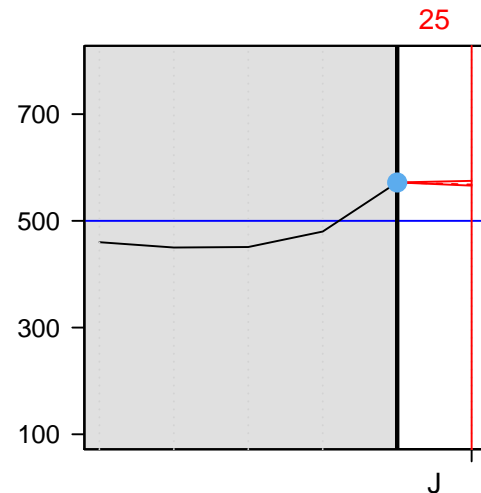
Let's see which release option our volunteer will choose.



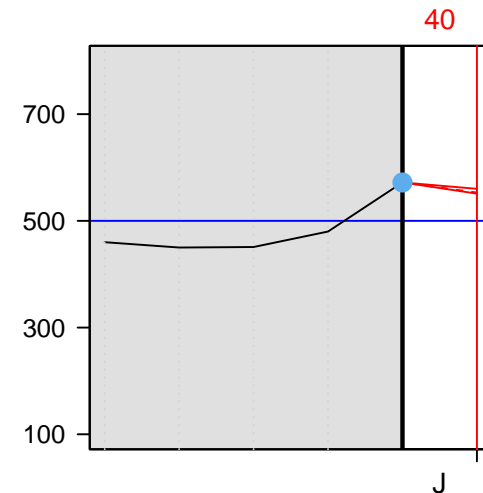
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$572 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 534 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

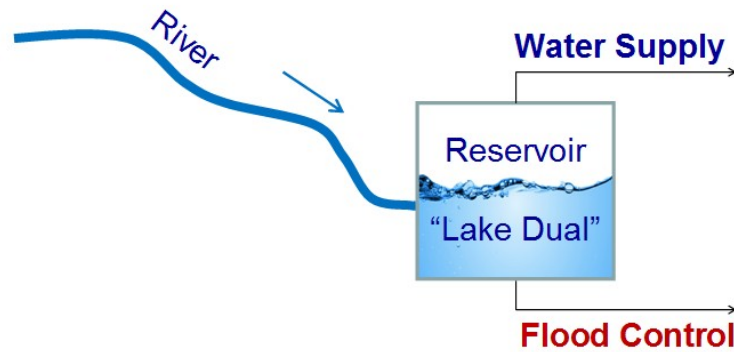
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



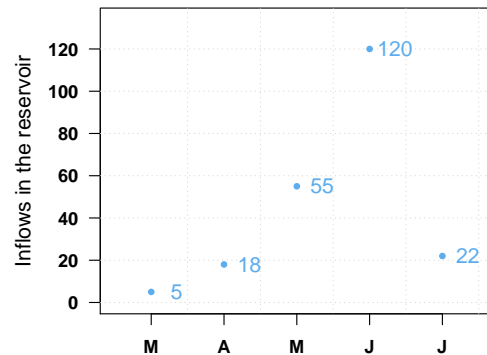
Swof Town



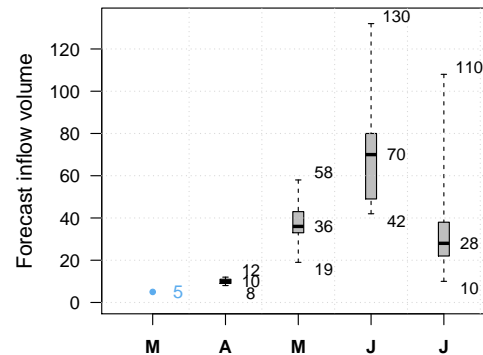
Safe Town



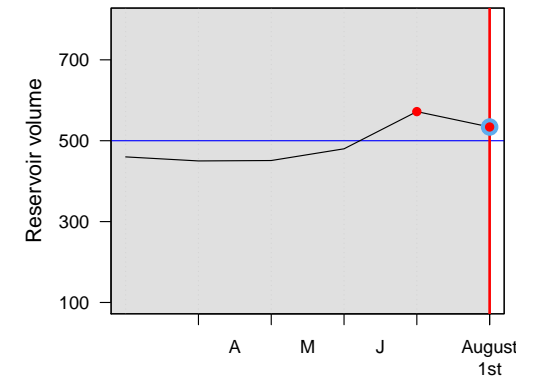
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

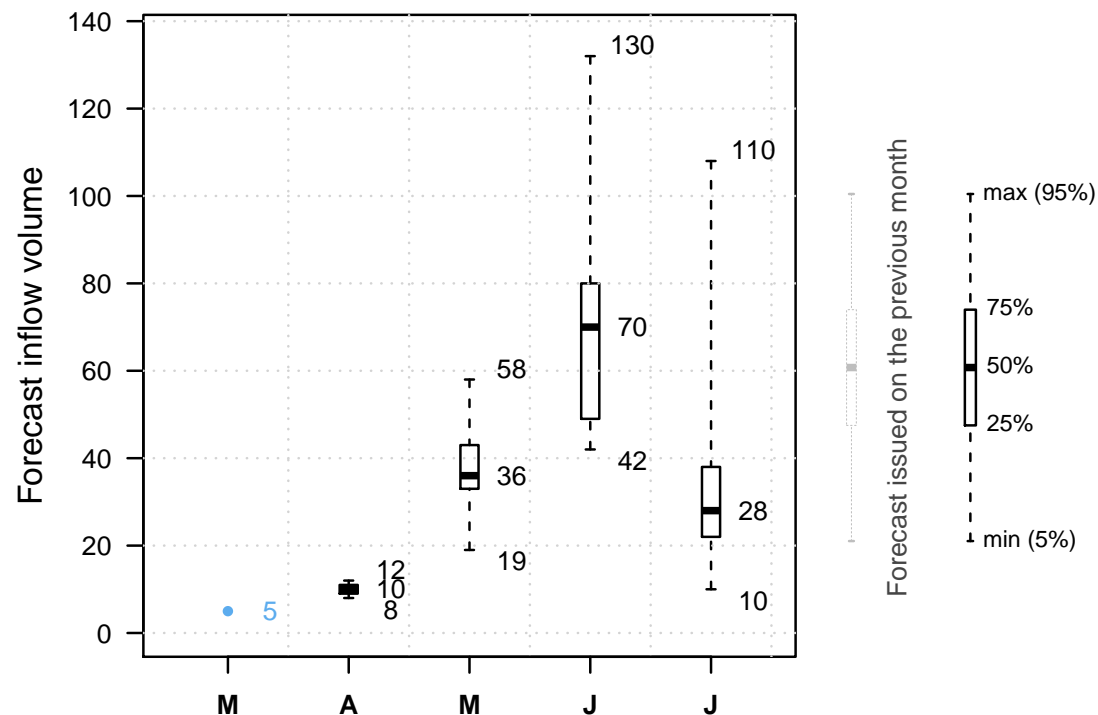


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

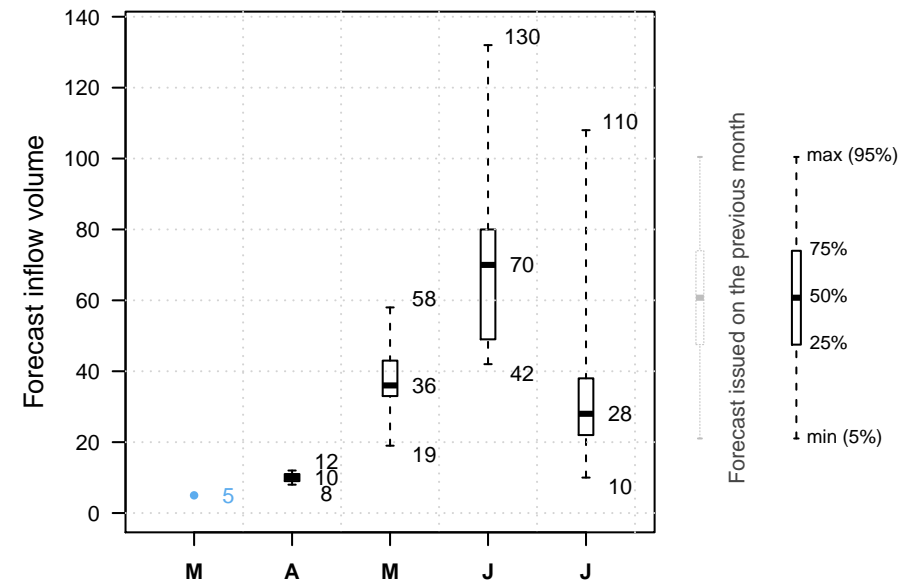
**NEXT**



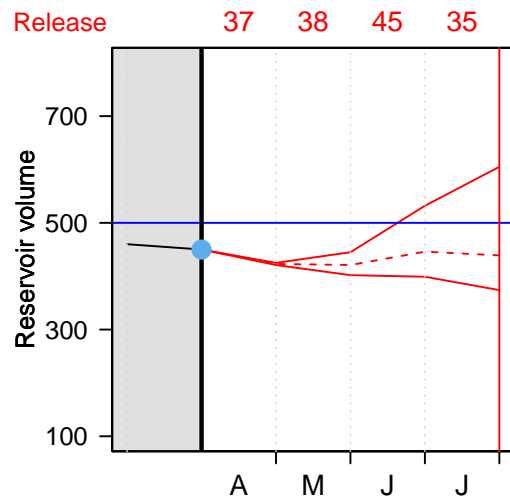
It is April 1st.

And our volunteer?

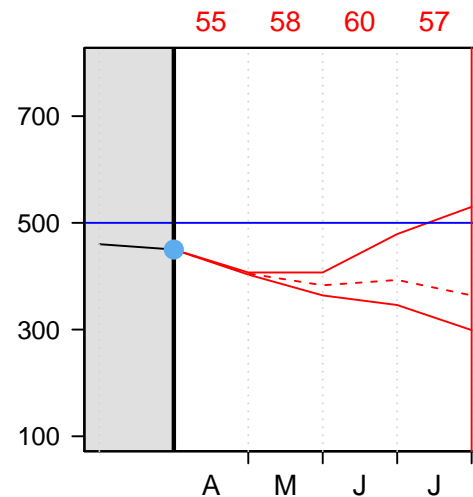
Let's see which release option our volunteer will choose.



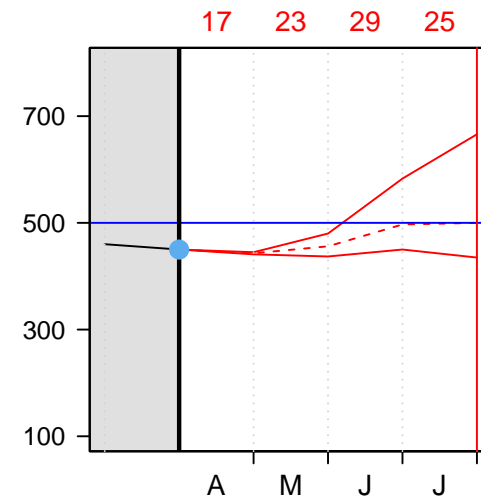
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

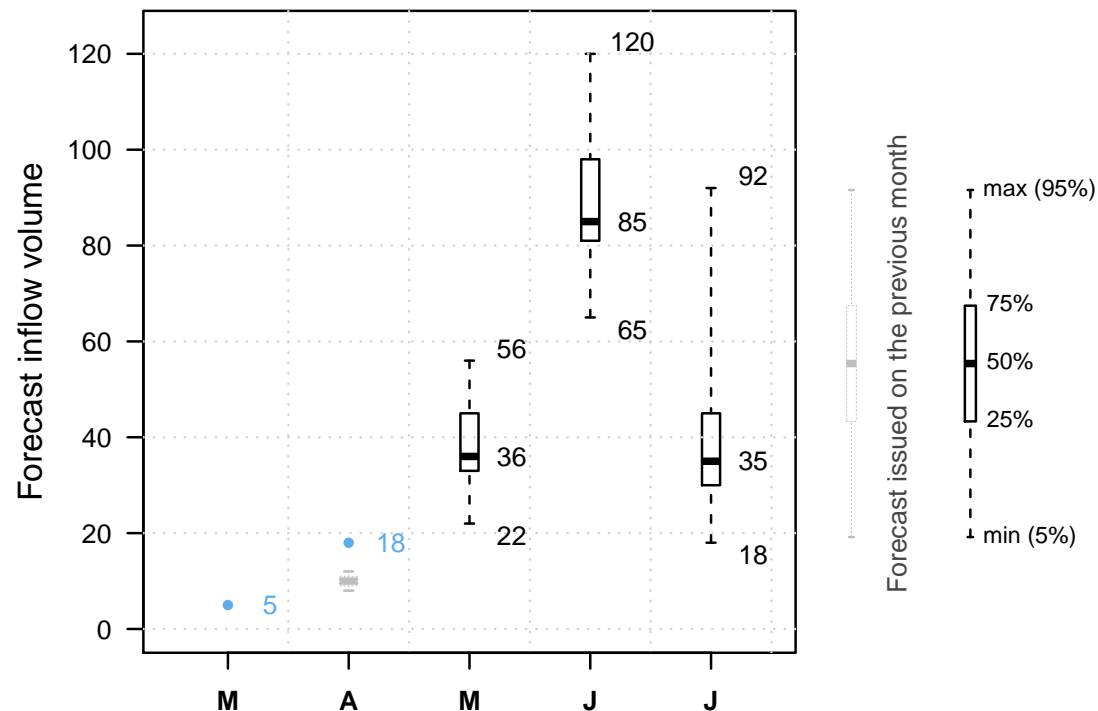


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

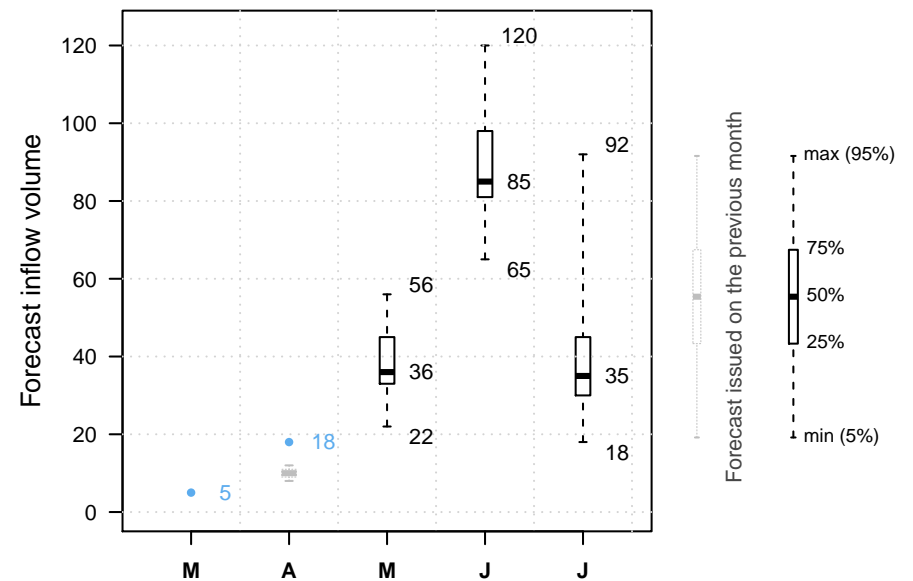
Previous decisions: A



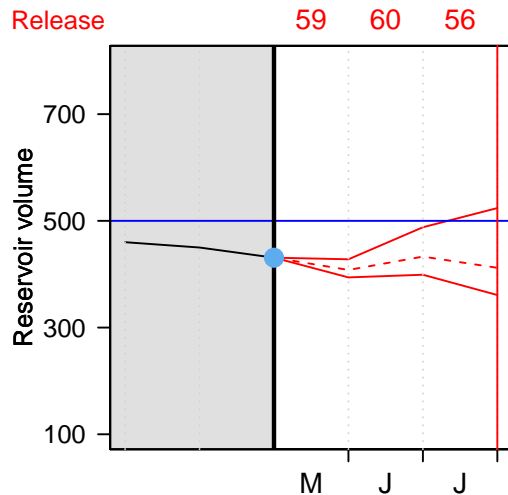
It is May 1st.

And our volunteer?

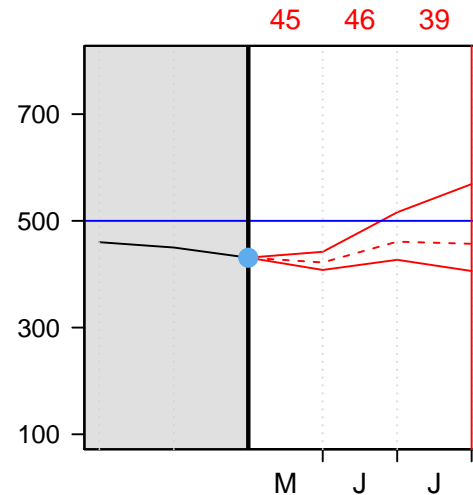
Let's see which release option our volunteer will choose.



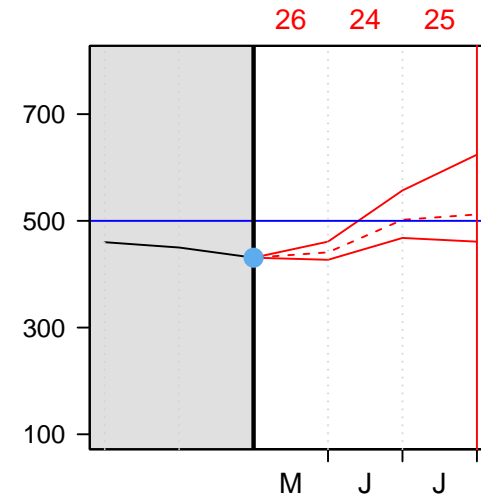
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

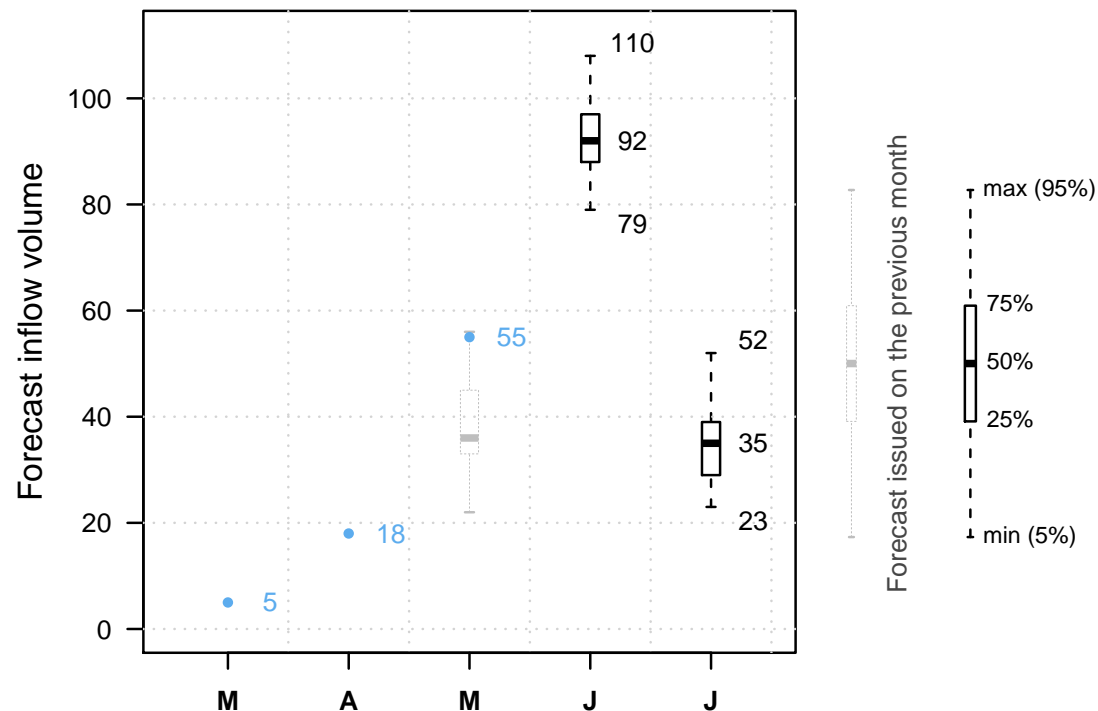


It is June 1st.

The reservoir is at  $427 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

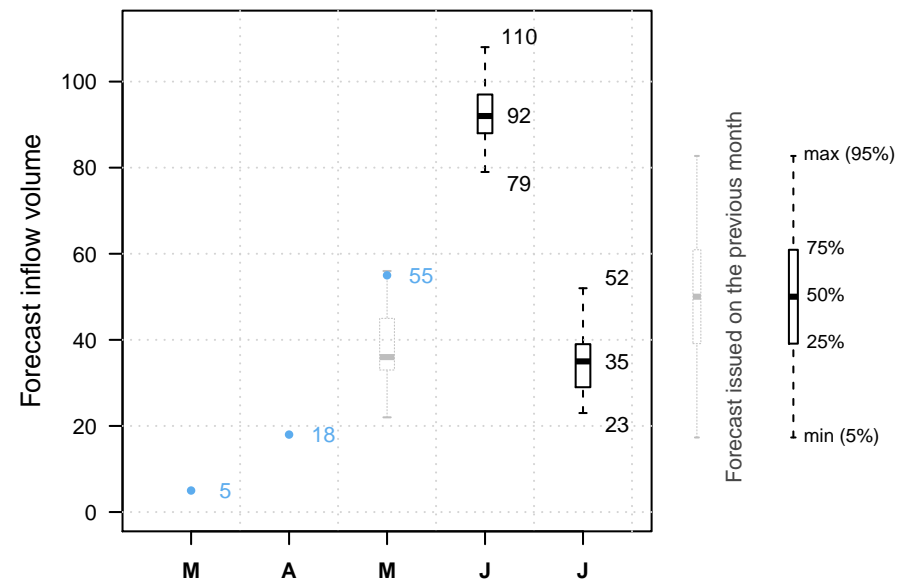
Previous decisions: A A



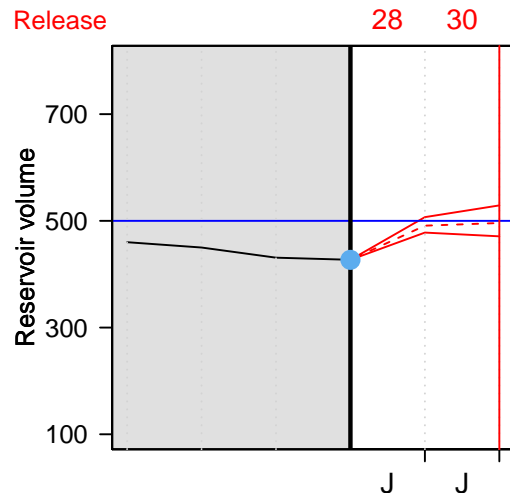
It is June 1st.

And our volunteer?

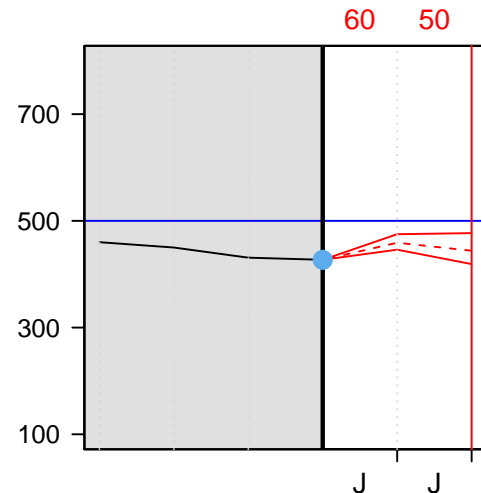
Let's see which release option our volunteer will choose.



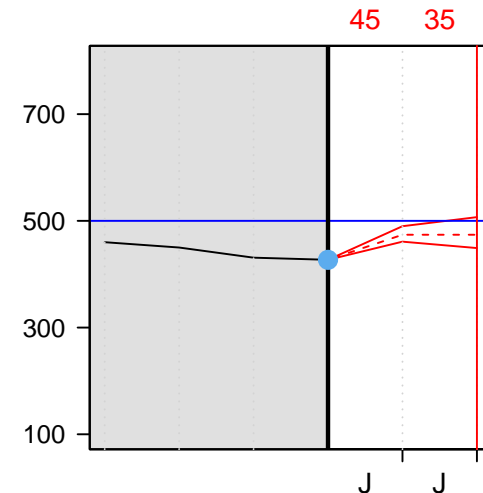
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 487 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

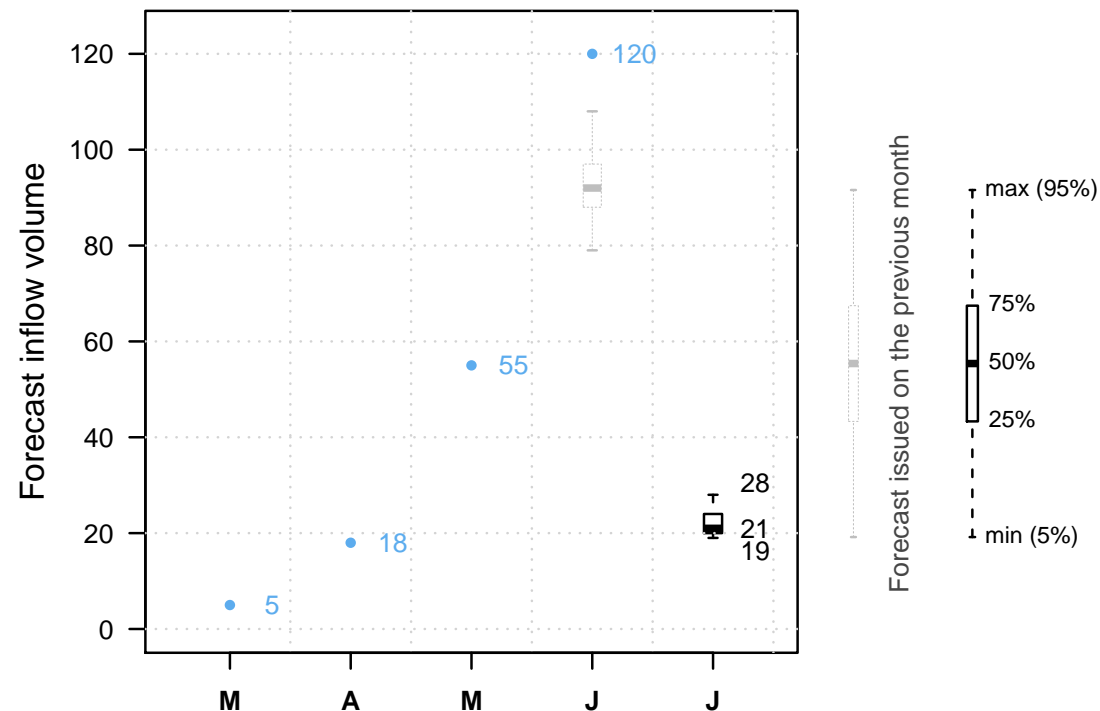


It is July 1st.

The reservoir is at  $487 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

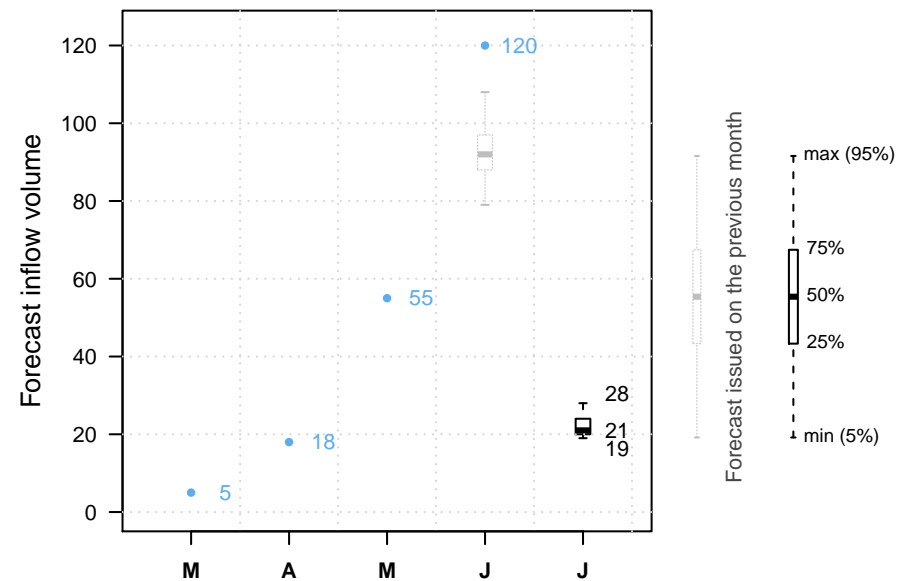
Previous decisions: A A B



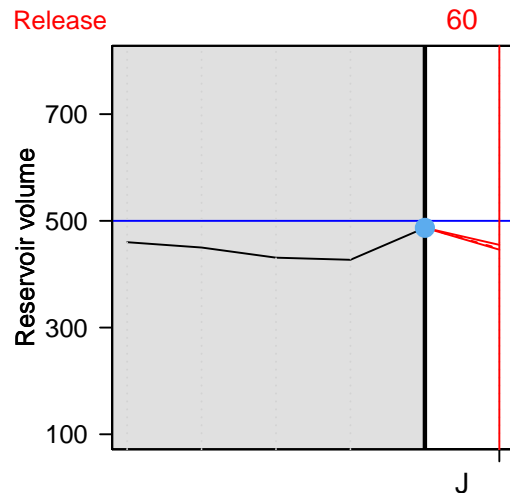
It is July 1st.

And our volunteer?

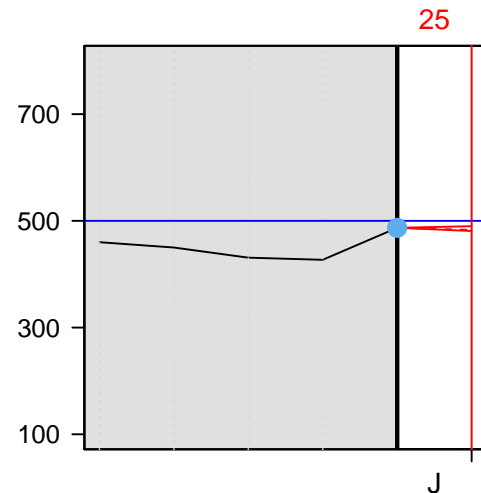
Let's see which release option our volunteer will choose.



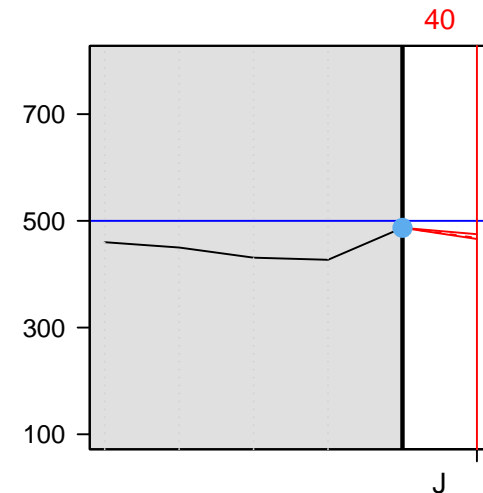
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$487 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 449 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

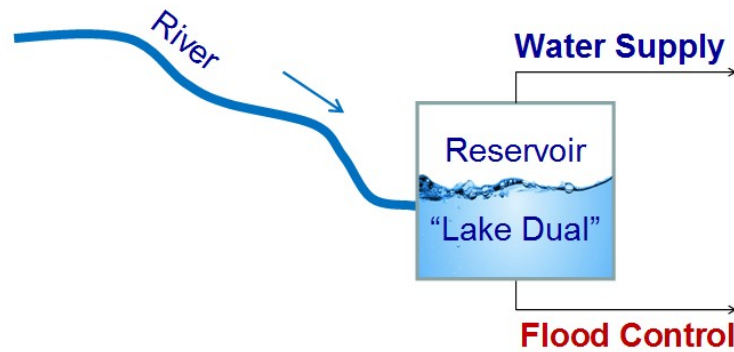
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



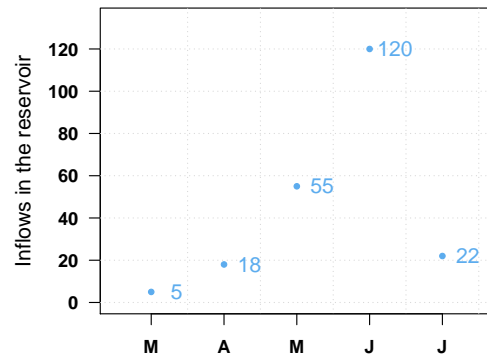
Swof Town



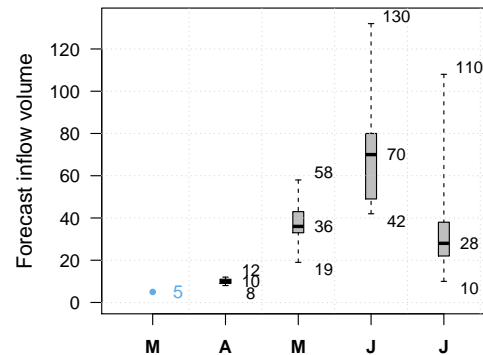
Safe Town



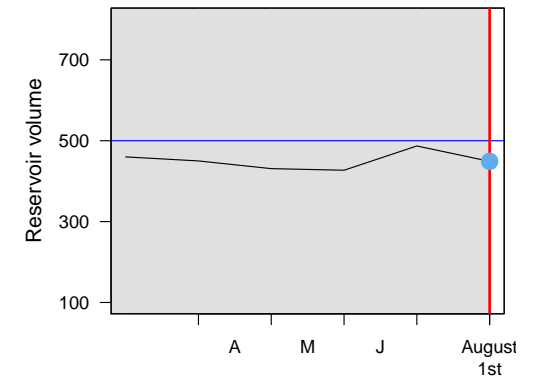
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

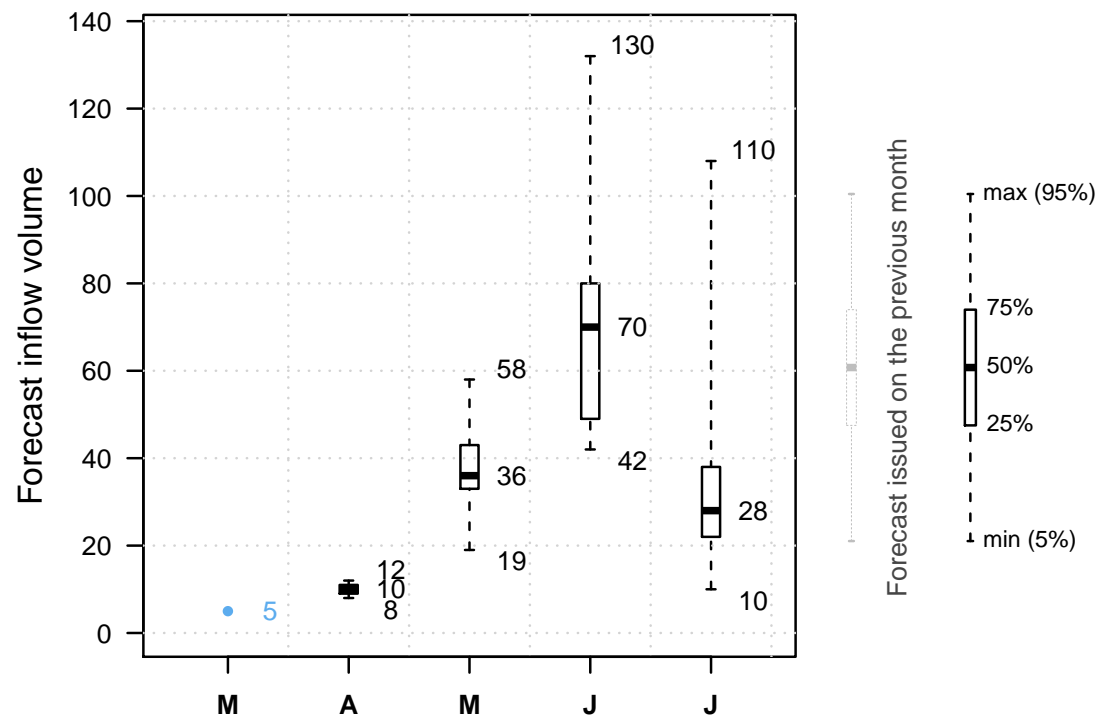


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

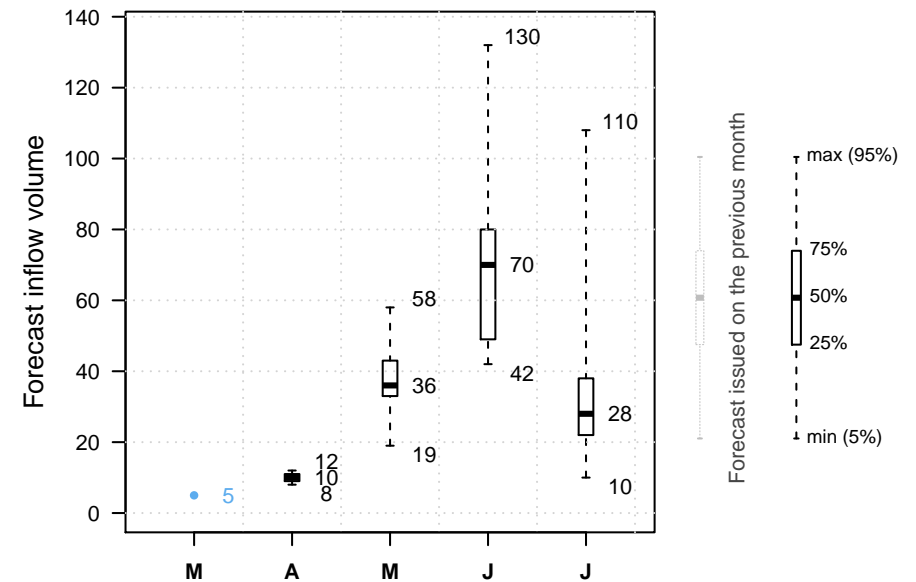
NEXT



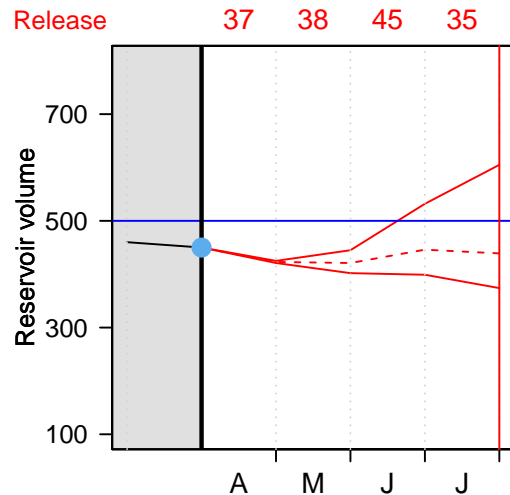
It is April 1st.

And our volunteer?

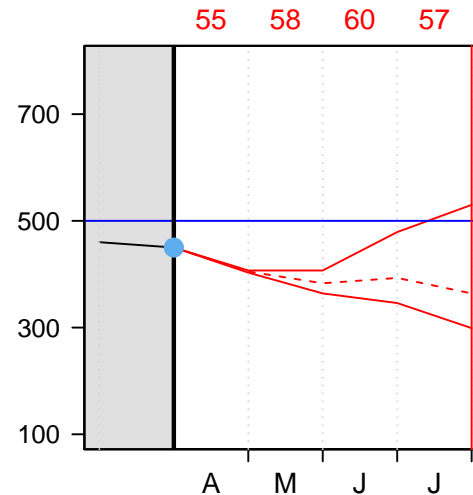
Let's see which release option our volunteer will choose.



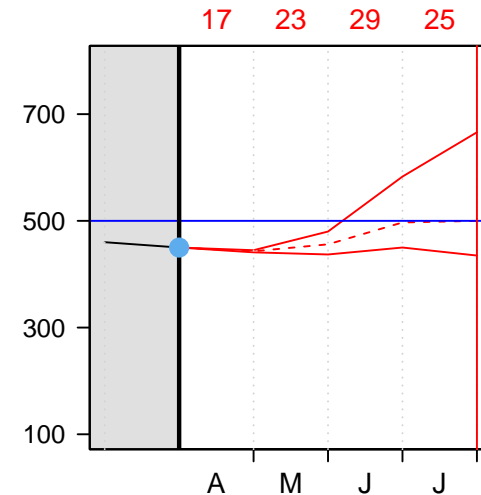
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

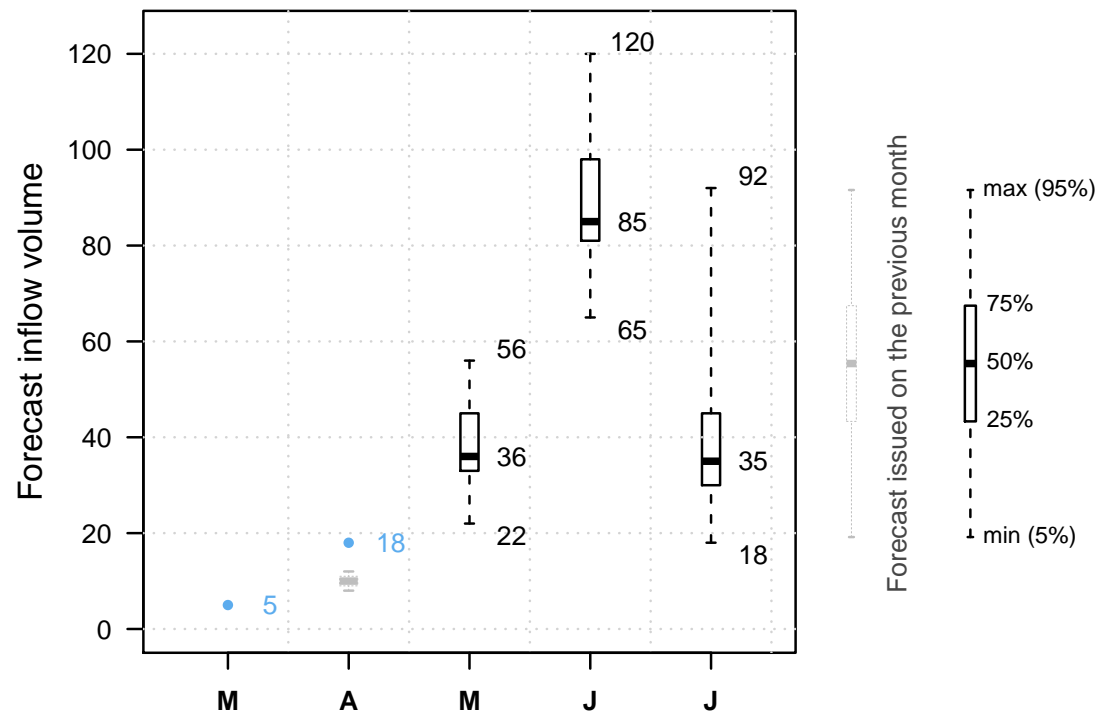


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

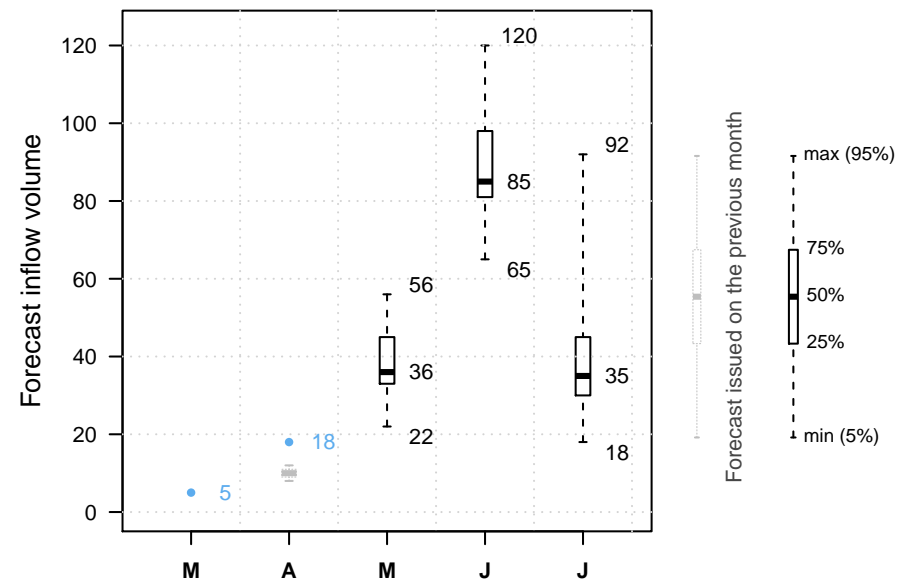
Previous decisions: B



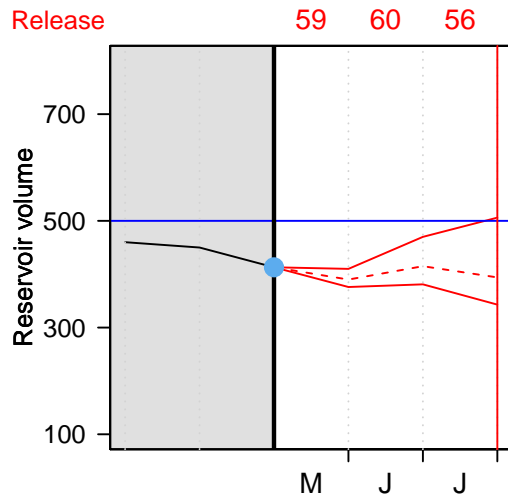
It is May 1st.

And our volunteer?

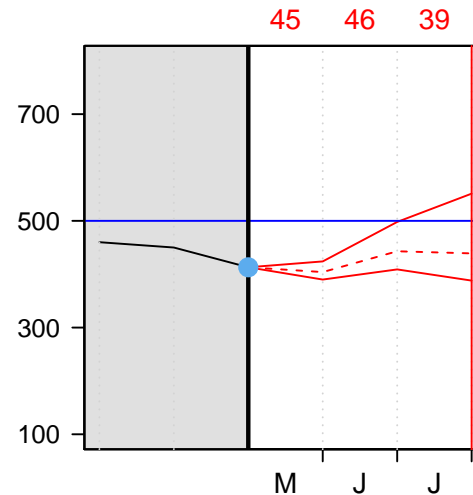
Let's see which release option our volunteer will choose.



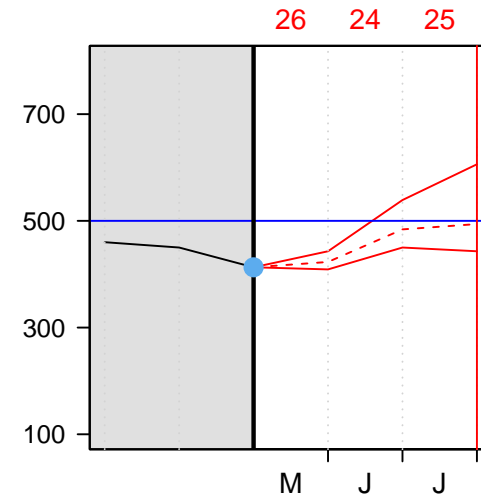
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

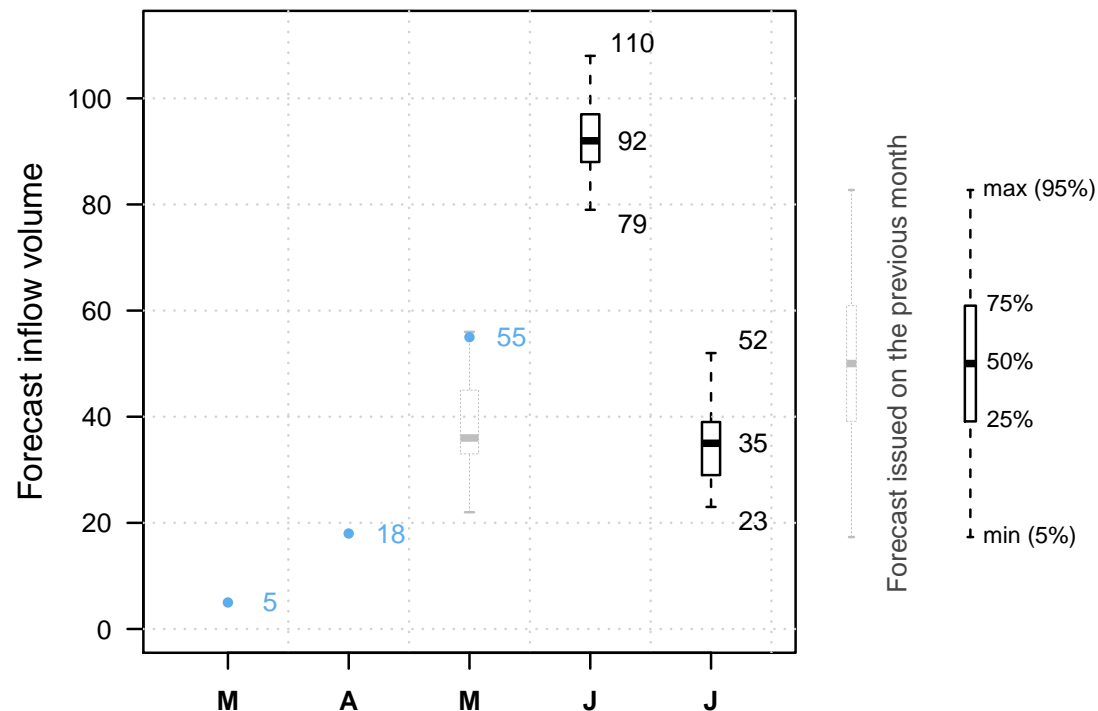


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

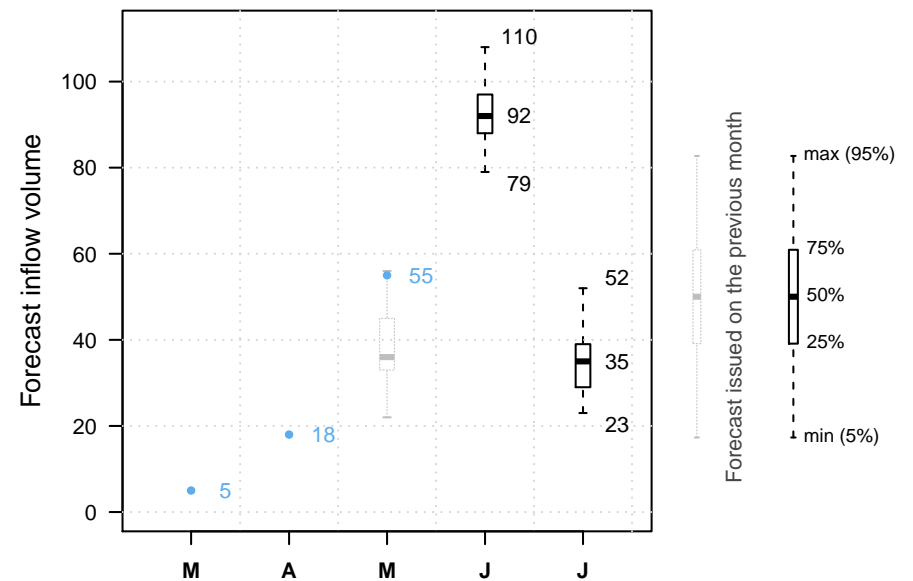
Previous decisions: B A



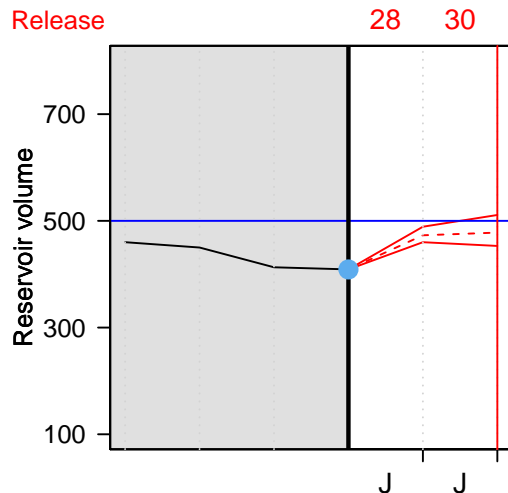
It is June 1st.

And our volunteer?

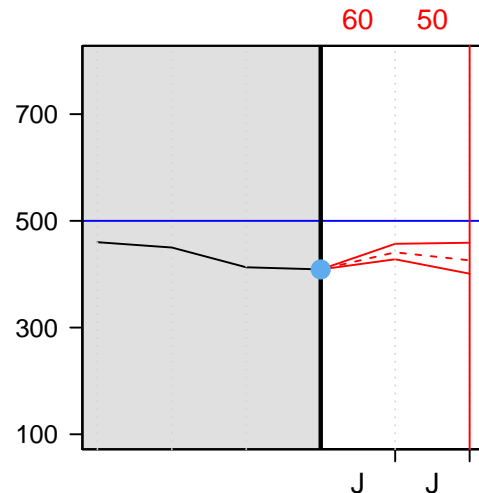
Let's see which release option our volunteer will choose.



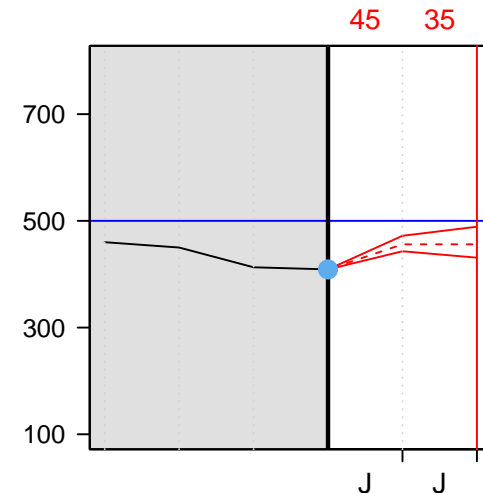
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 469 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

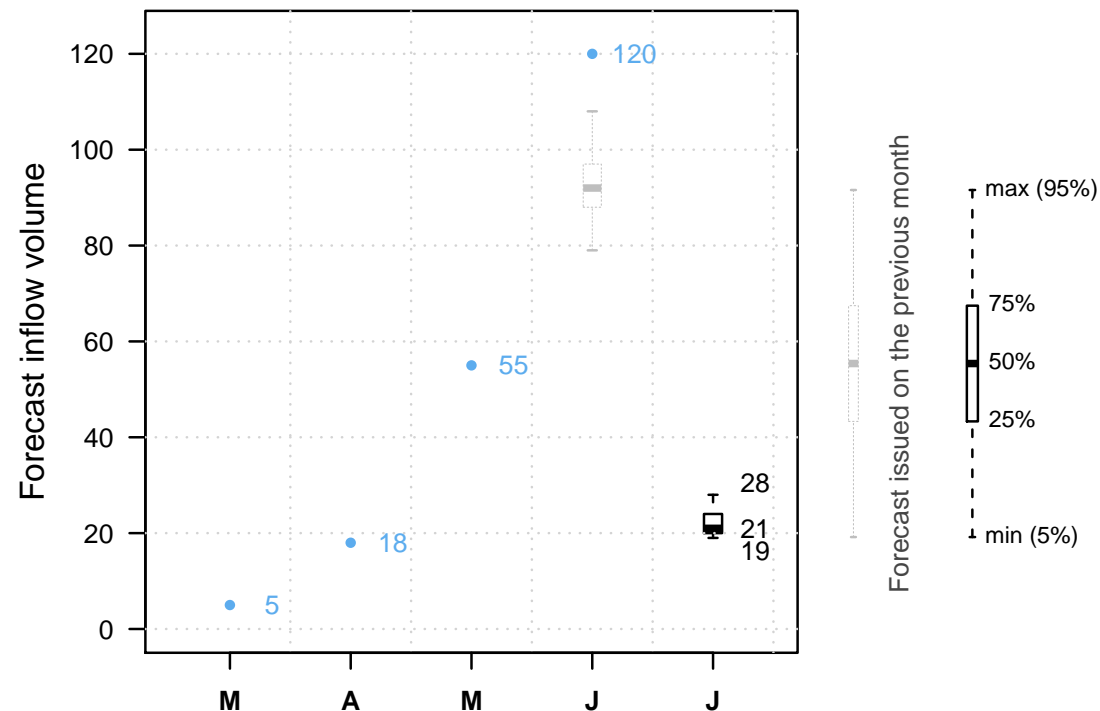


It is July 1st.

The reservoir is at 469  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

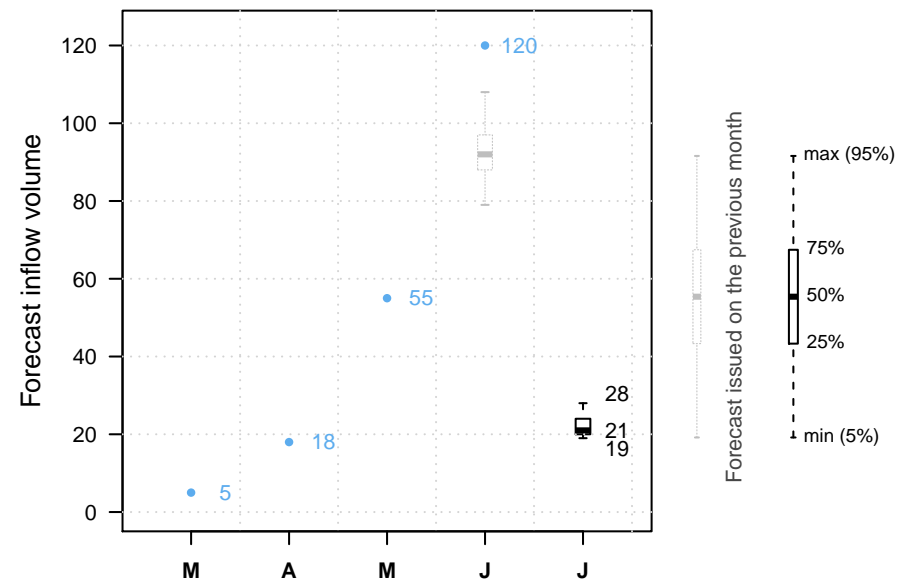
Previous decisions: B A B



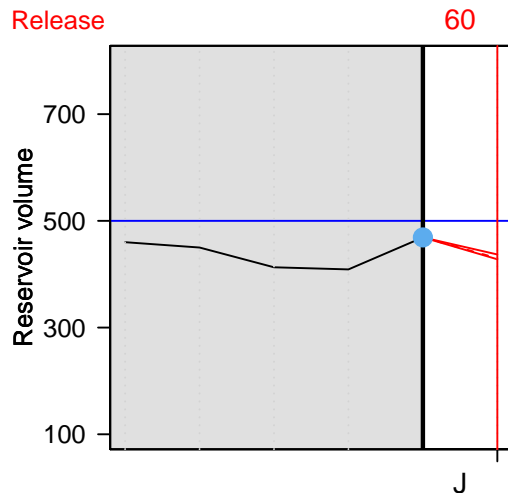
It is July 1st.

And our volunteer?

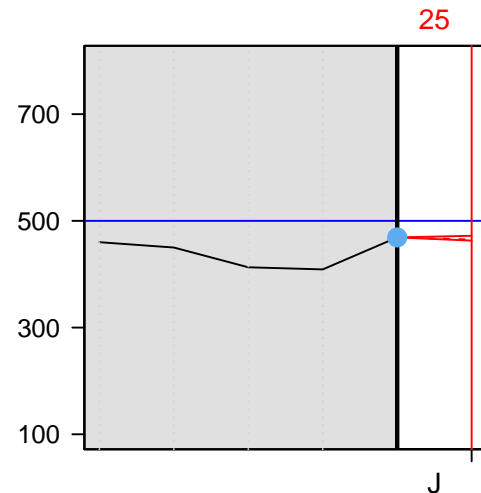
Let's see which release option our volunteer will choose.



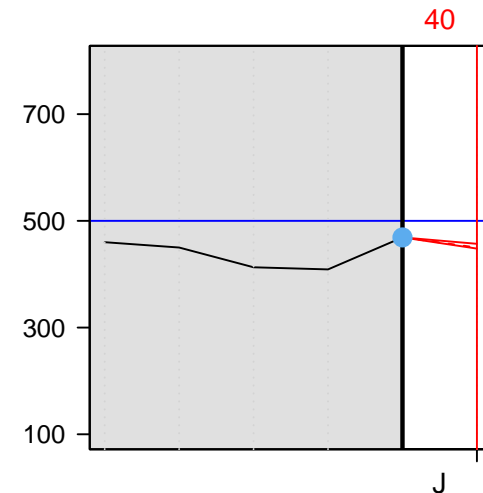
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$469 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

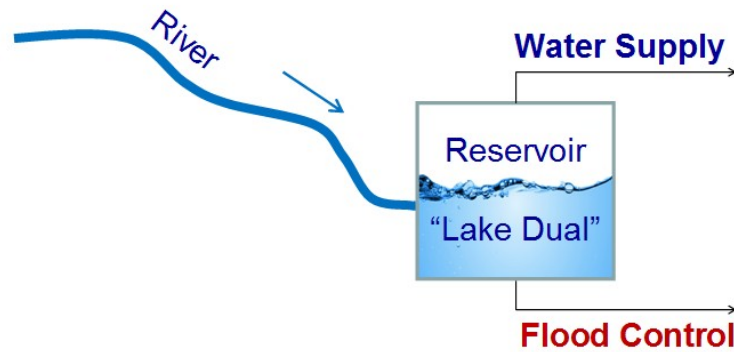
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



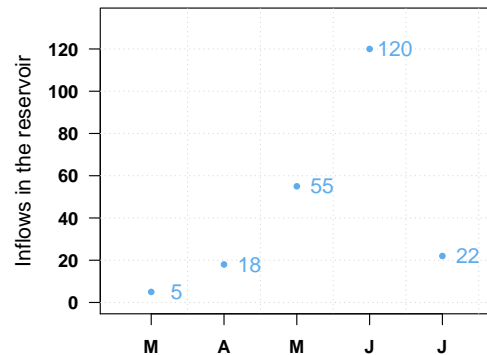
Swof Town



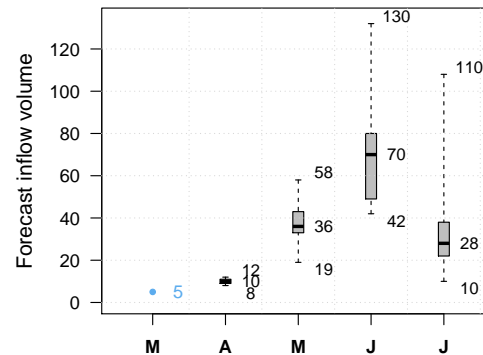
Safe Town



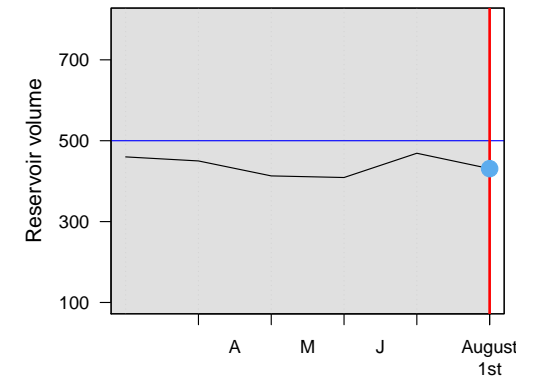
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

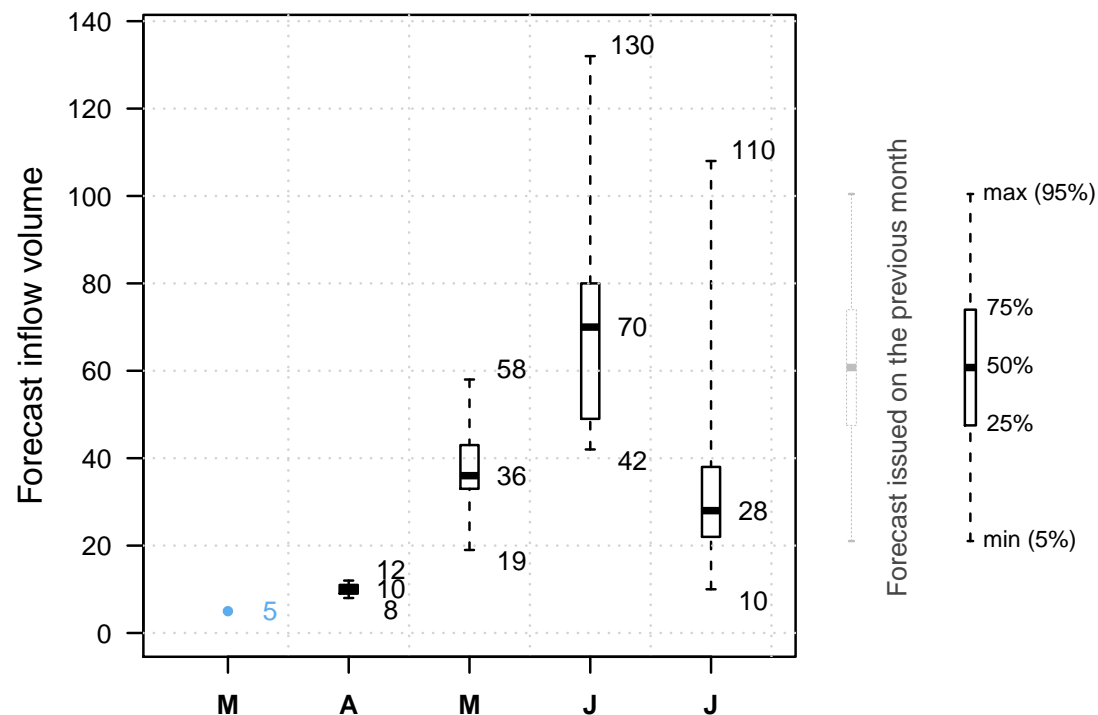


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

NEXT

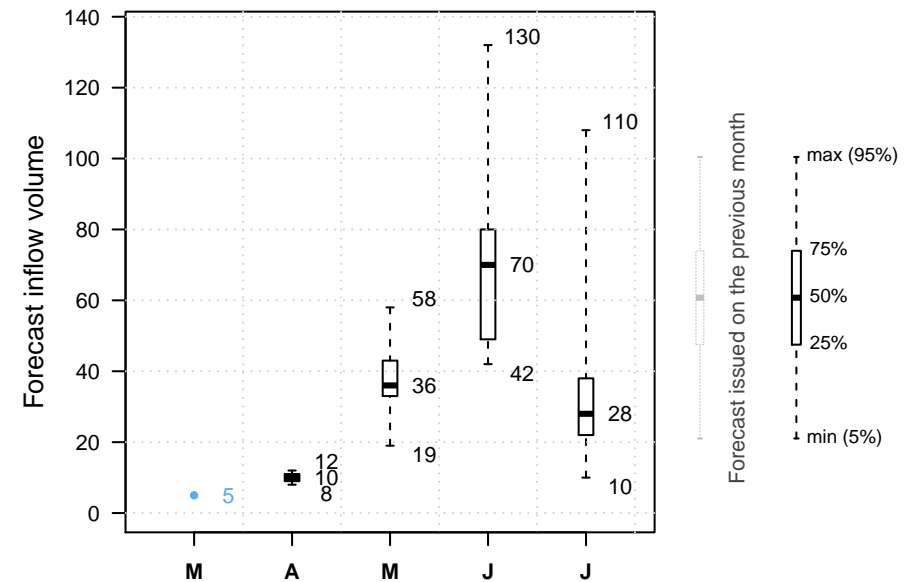




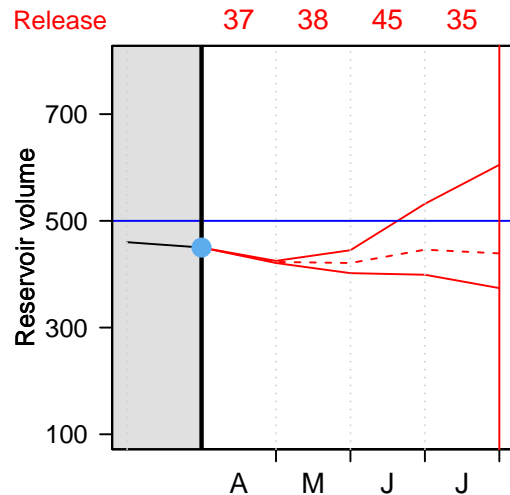
It is April 1st.

And our volunteer?

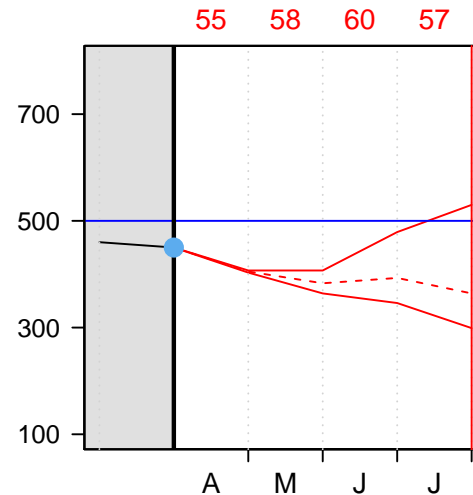
Let's see which release option our volunteer will choose.



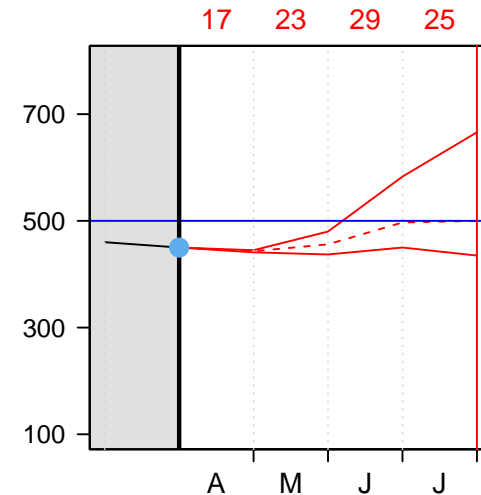
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

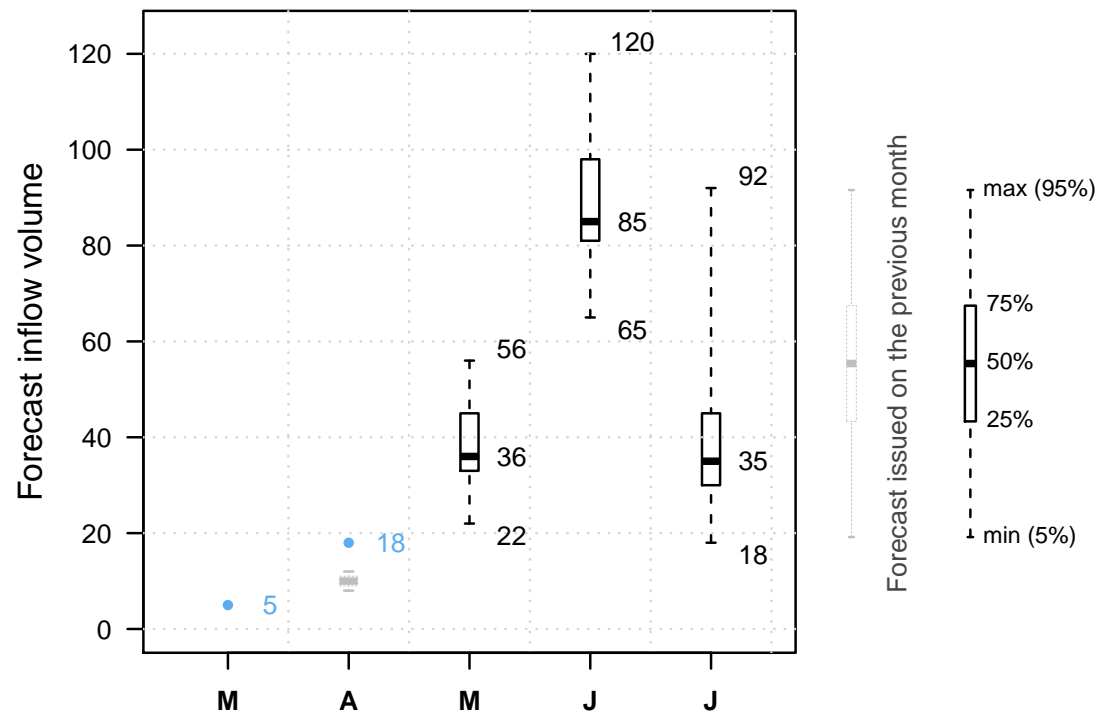


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

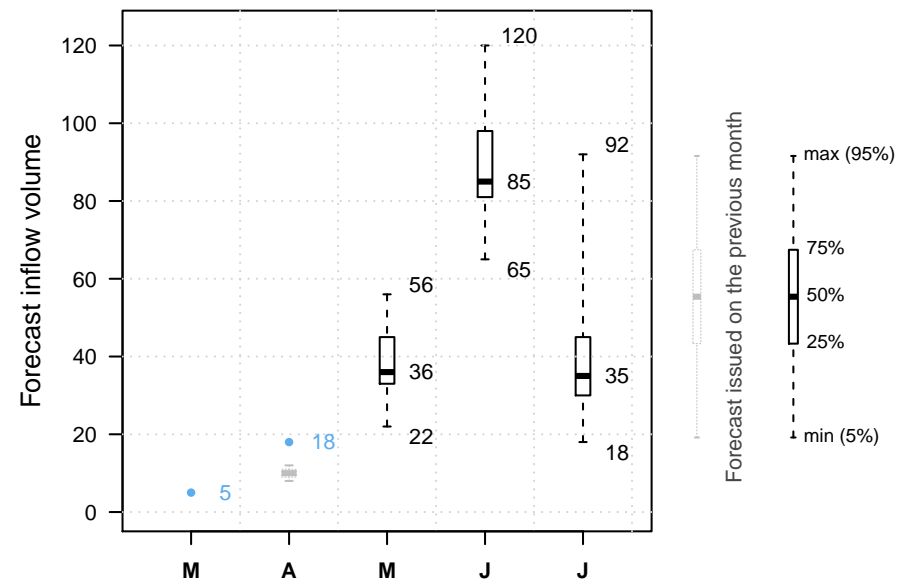
Previous decisions: C



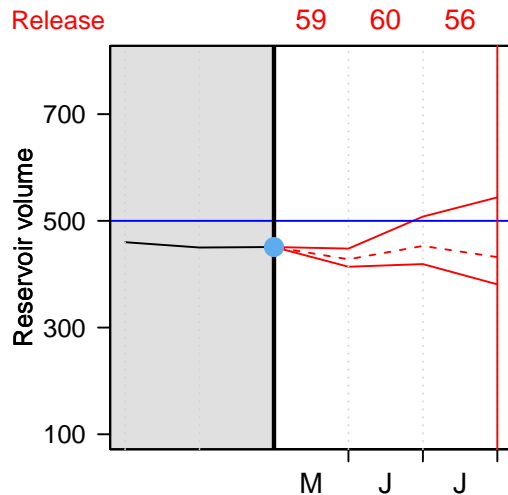
It is May 1st.

And our volunteer?

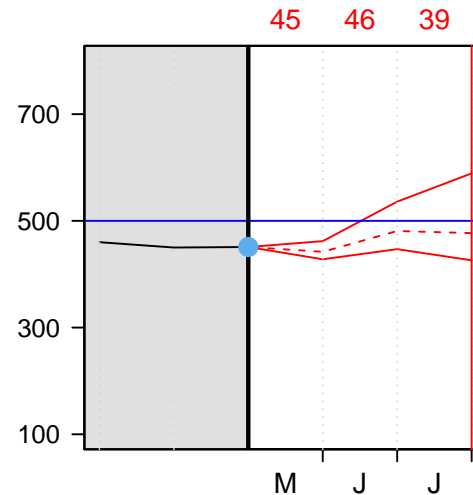
Let's see which release option our volunteer will choose.



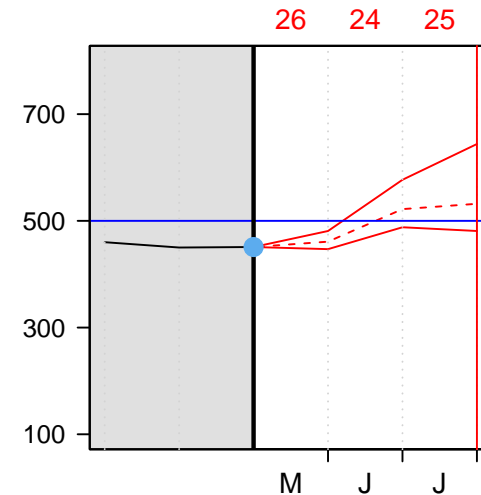
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

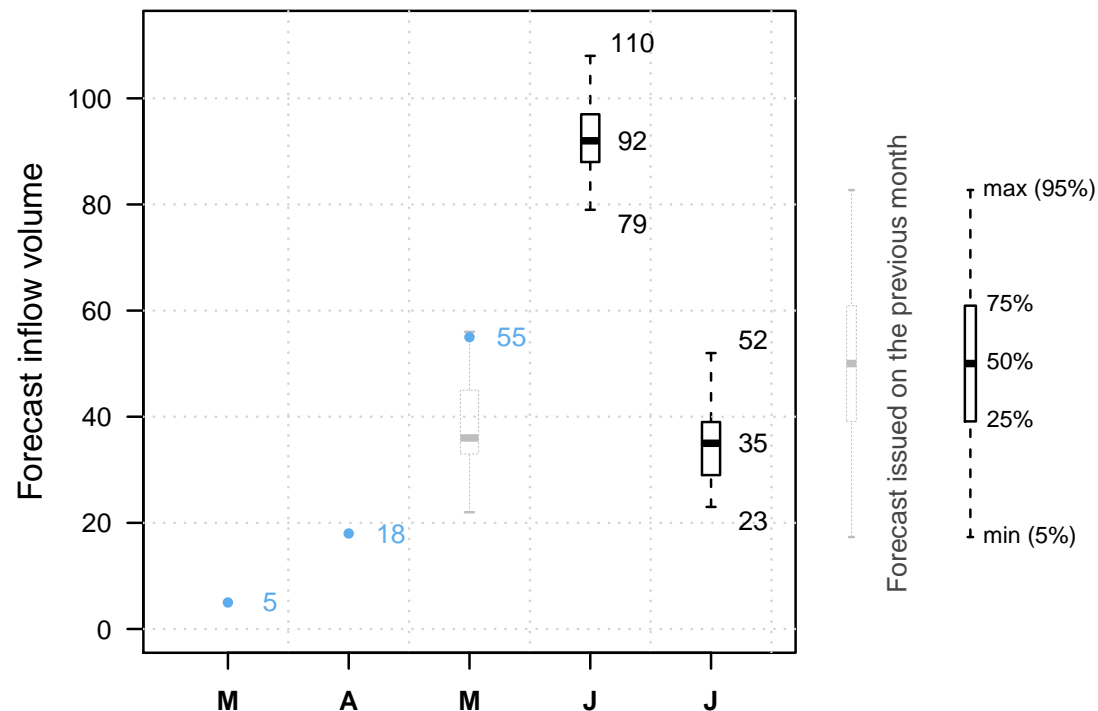


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



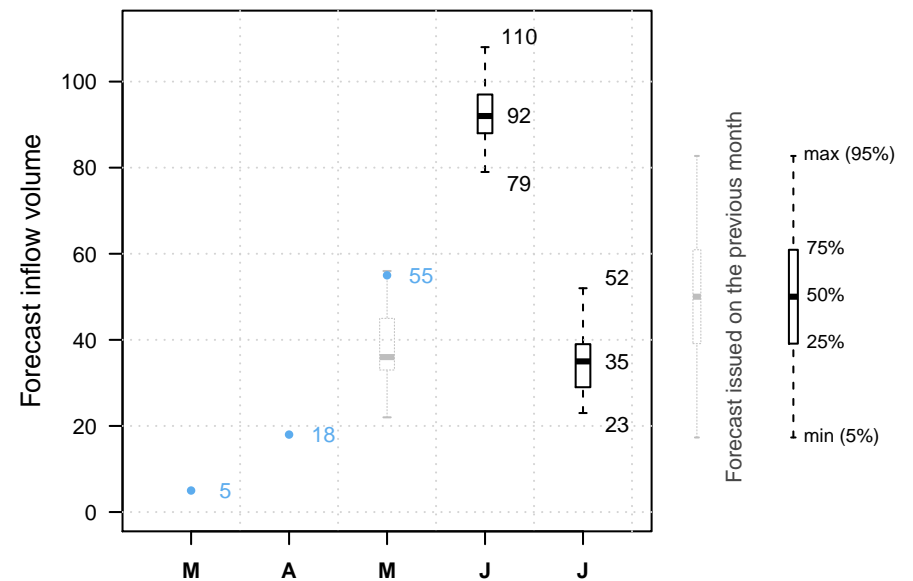
Previous decisions: C A



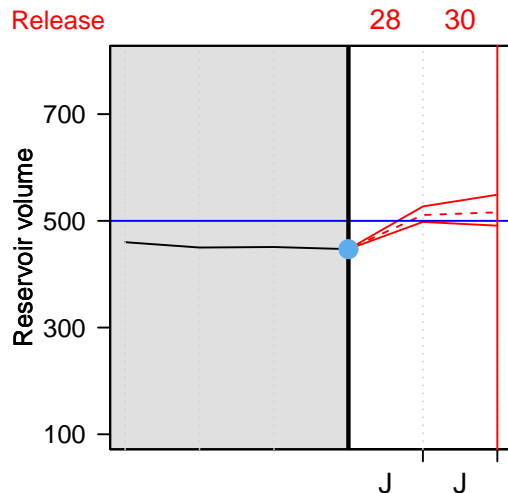
It is June 1st.

And our volunteer?

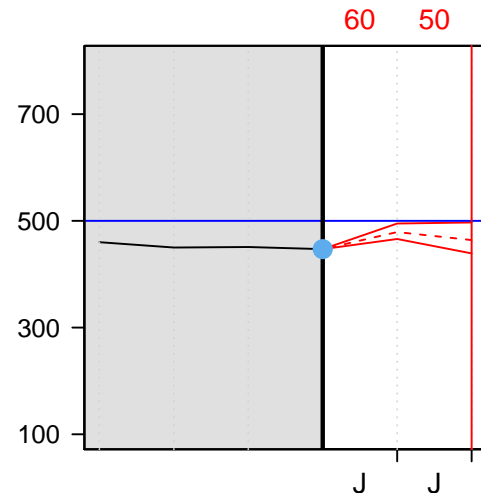
Let's see which release option our volunteer will choose.



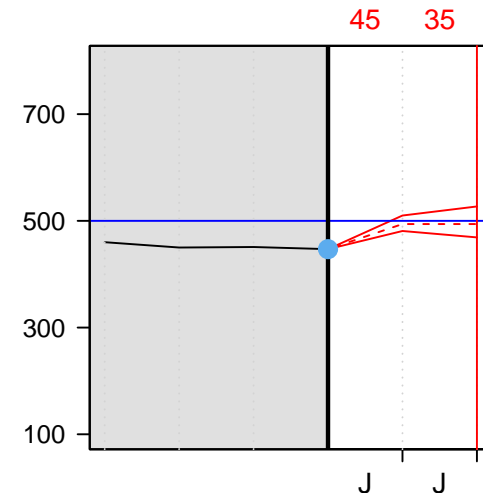
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 507 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

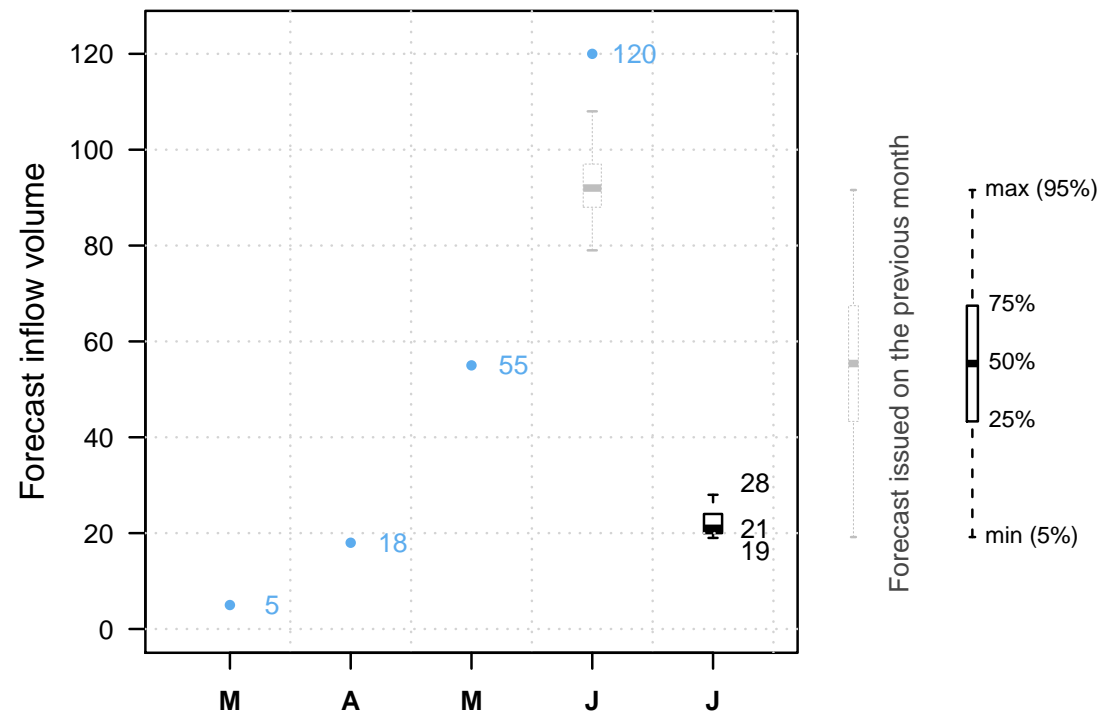


It is July 1st.

The reservoir is at  $507 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

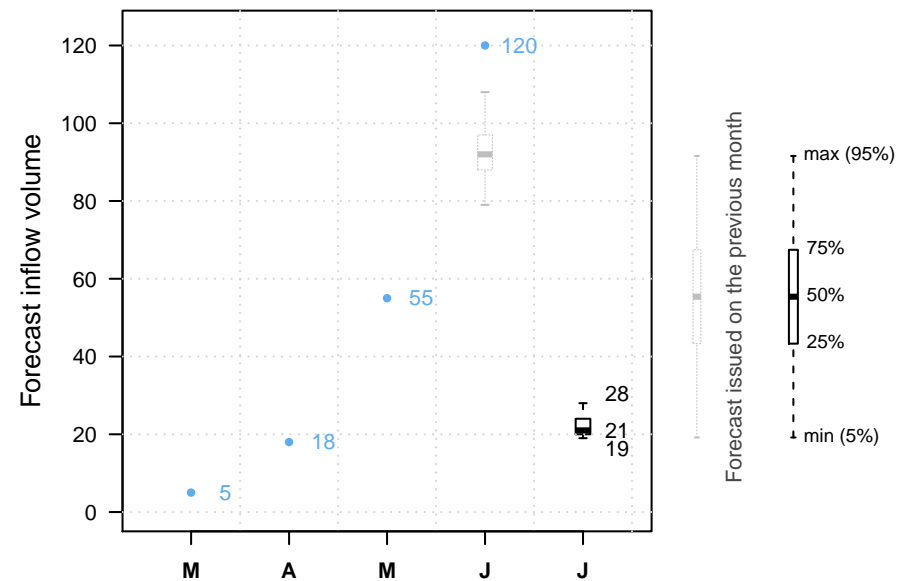
Previous decisions: C A B



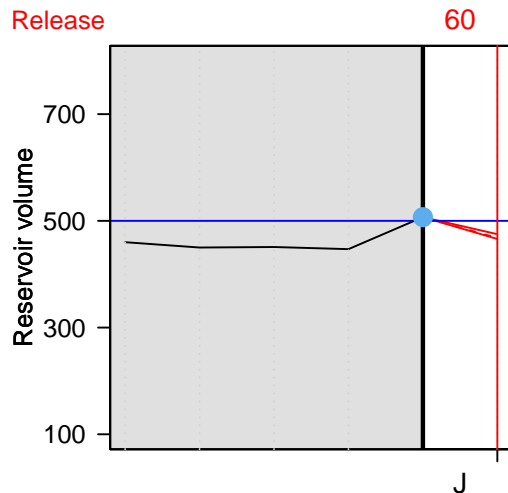
It is July 1st.

And our volunteer?

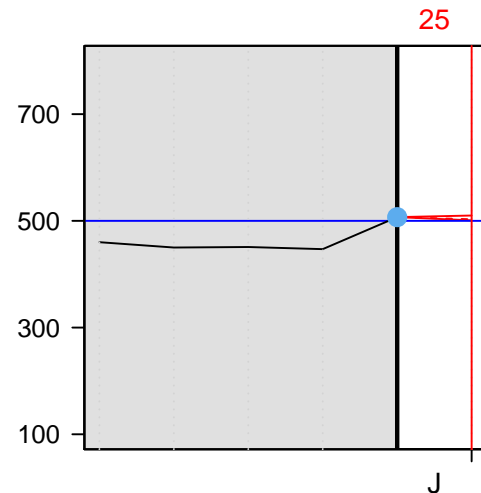
Let's see which release option our volunteer will choose.



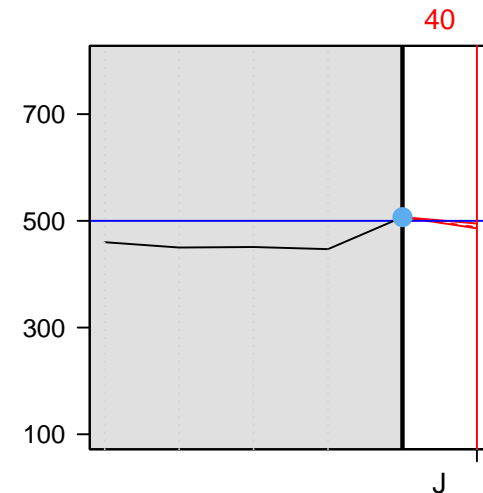
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$507 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 469 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

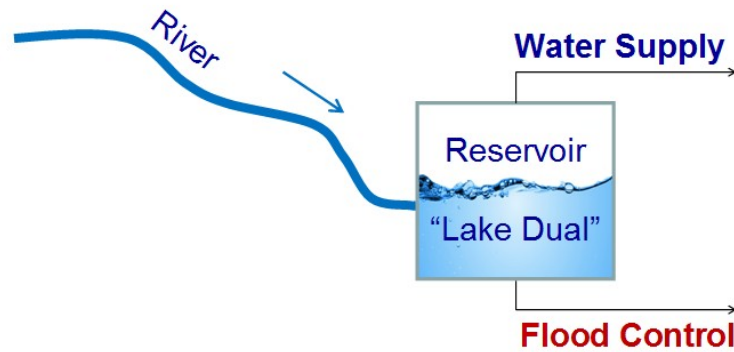
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



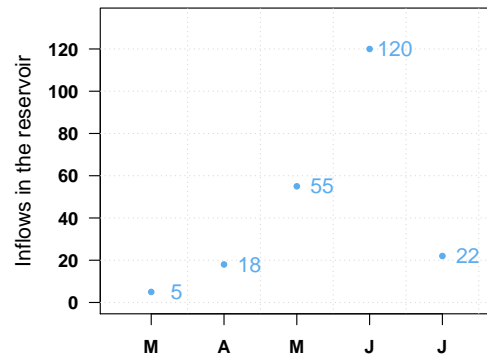
Swof Town



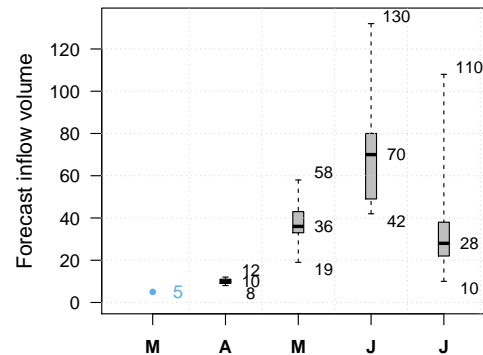
Safe Town



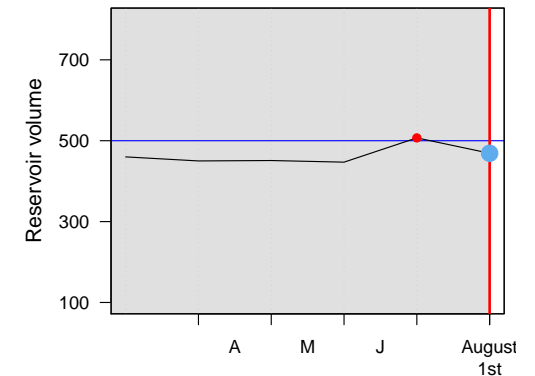
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



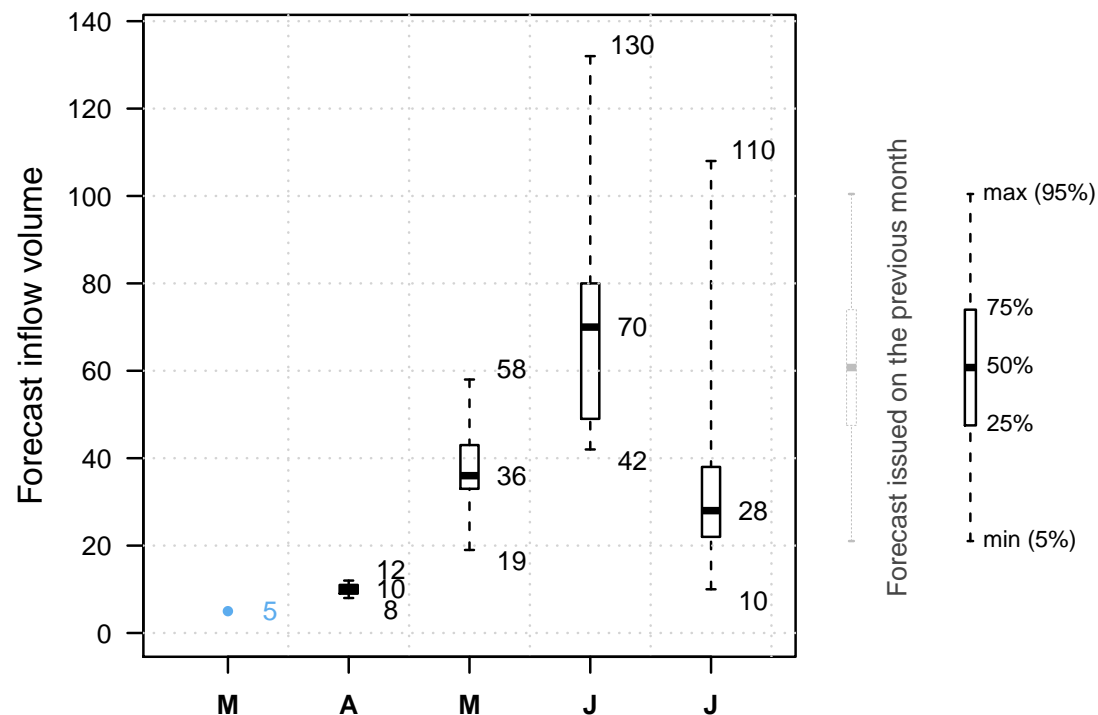


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

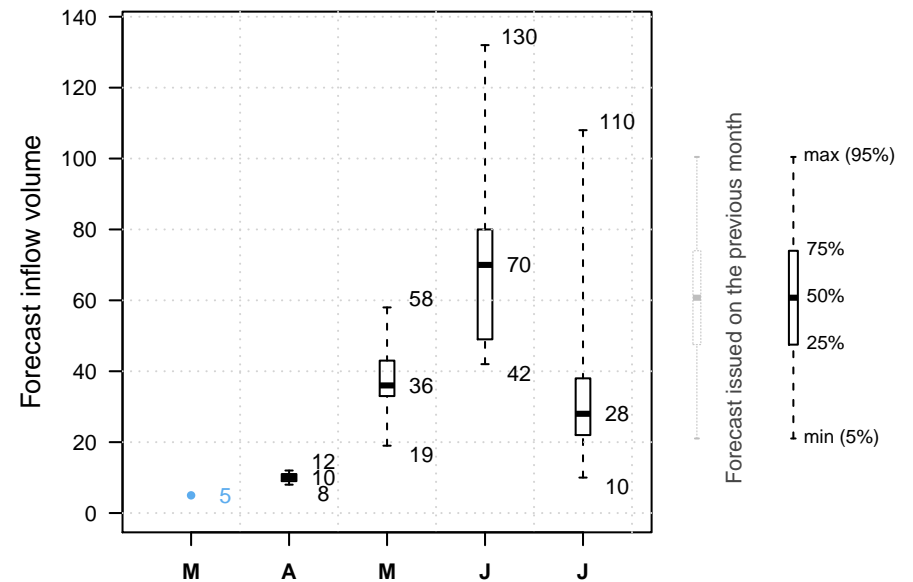
NEXT



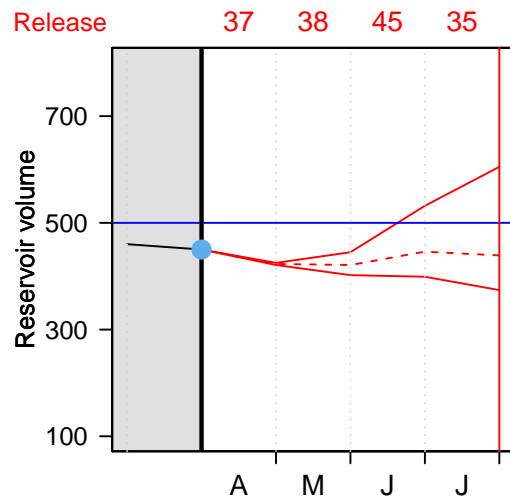
It is April 1st.

And our volunteer?

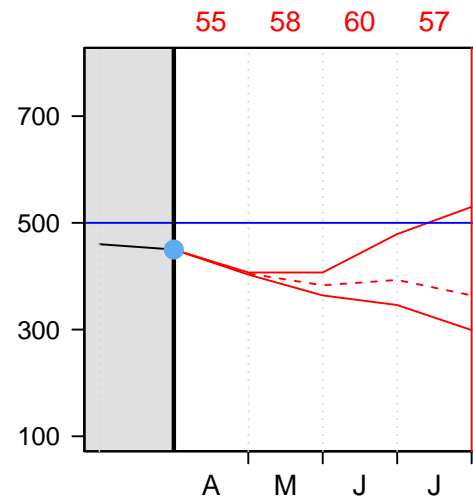
Let's see which release option our volunteer will choose.



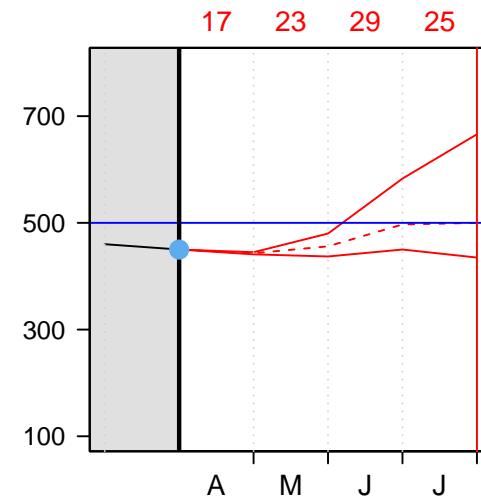
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

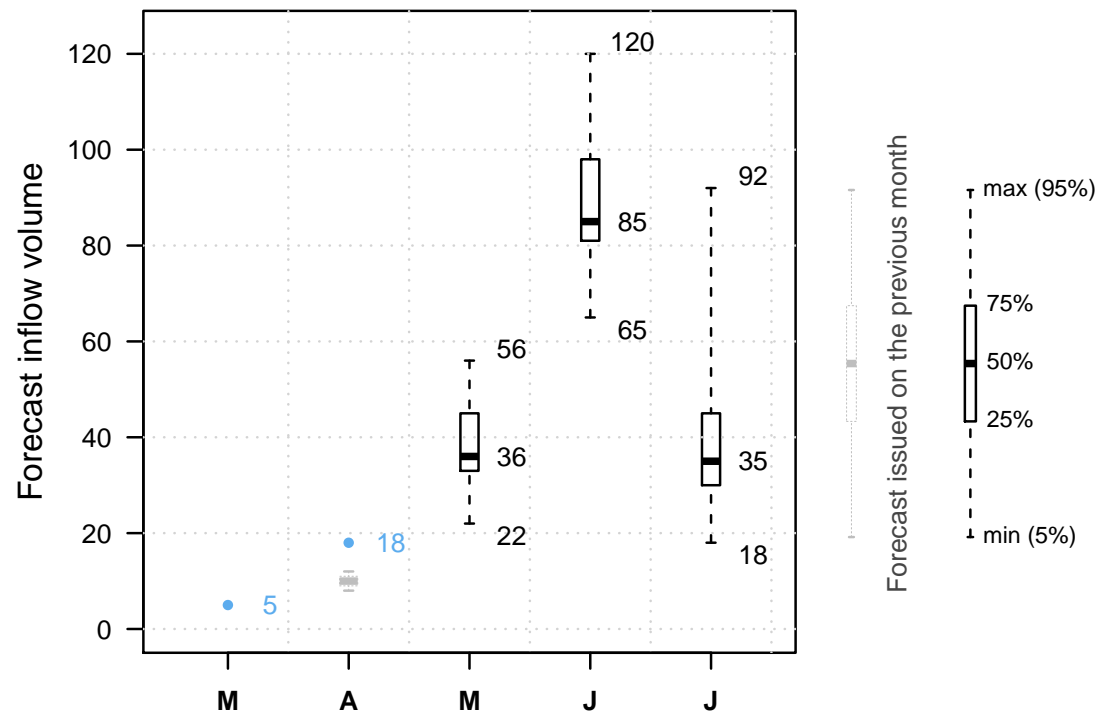


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

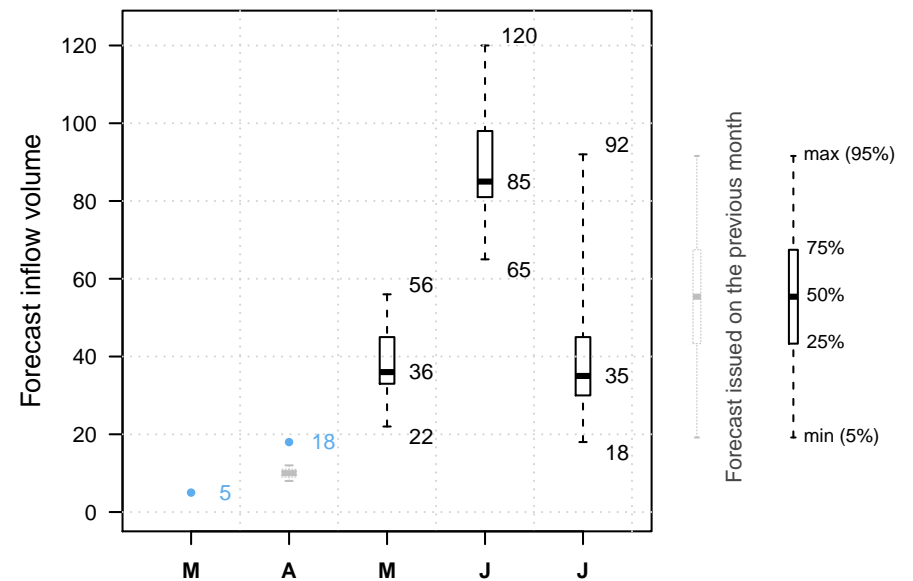
Previous decisions: A



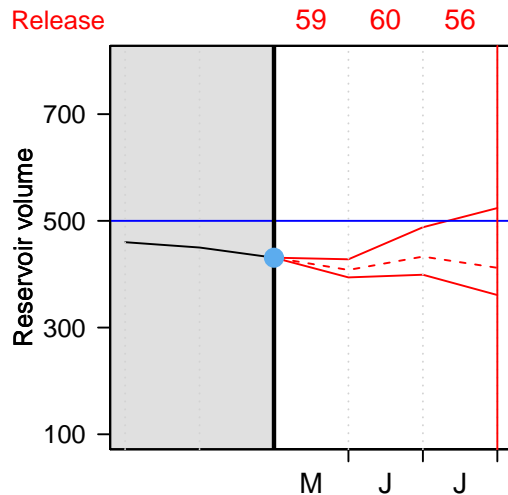
It is May 1st.

And our volunteer?

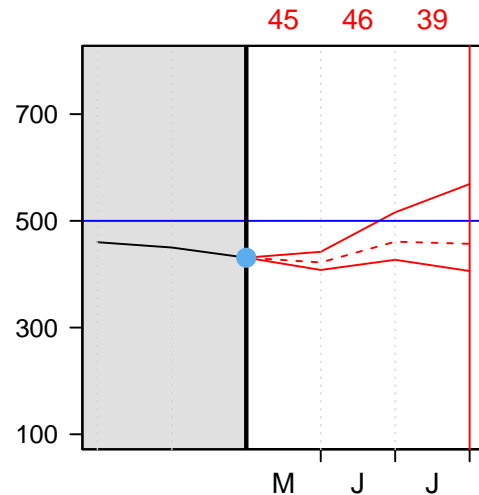
Let's see which release option our volunteer will choose.



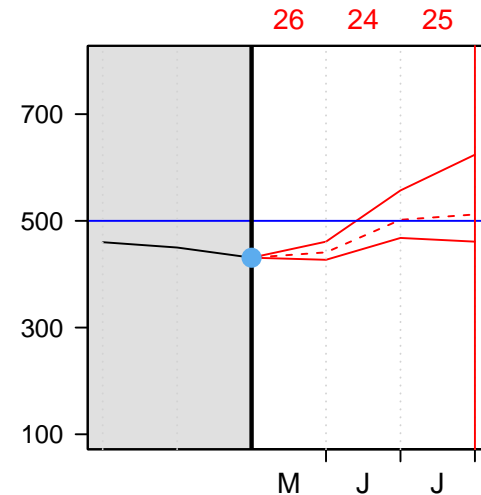
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



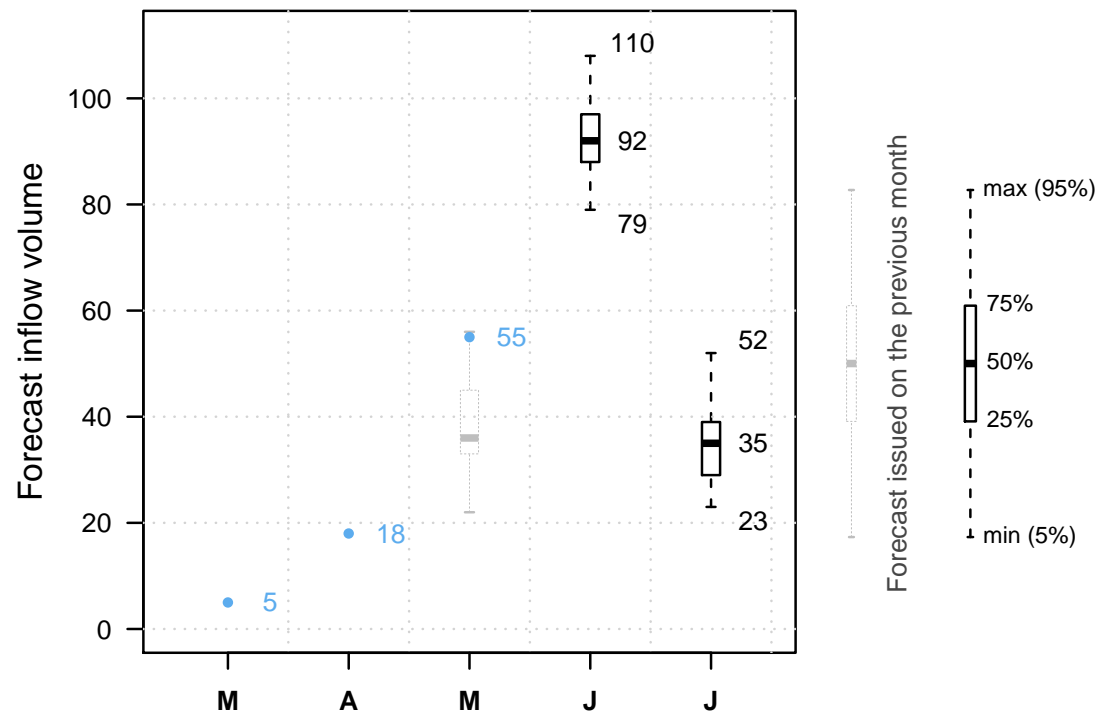


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

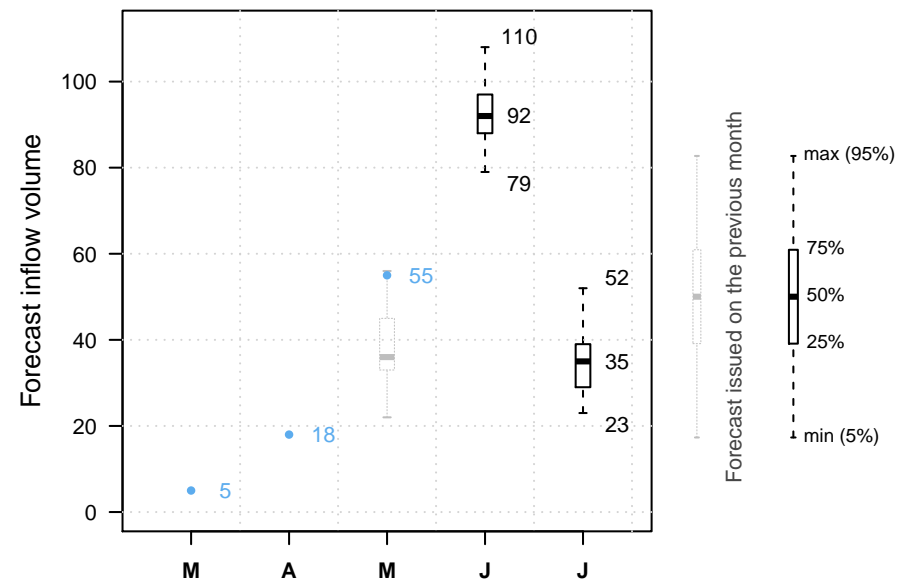
Previous decisions: A B



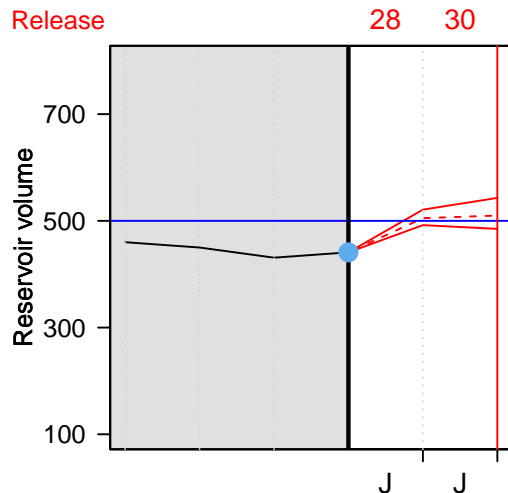
It is June 1st.

And our volunteer?

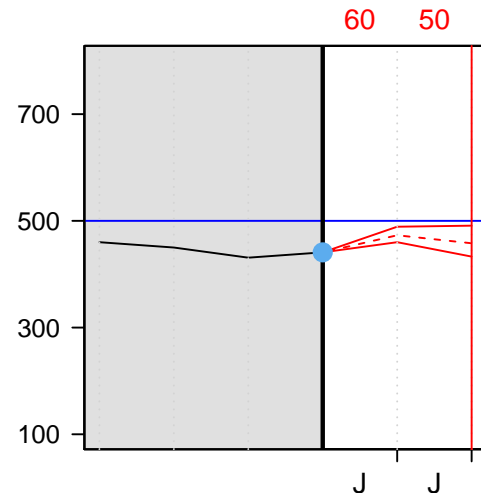
Let's see which release option our volunteer will choose.



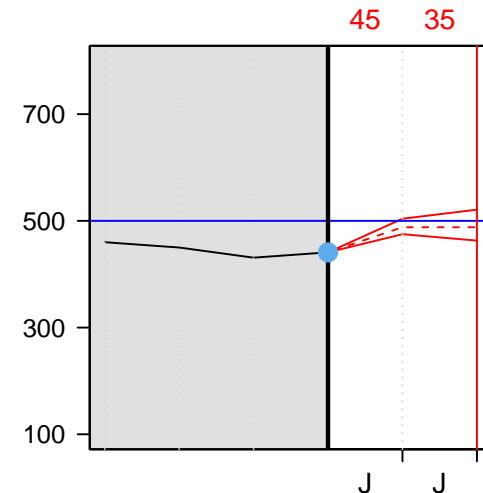
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

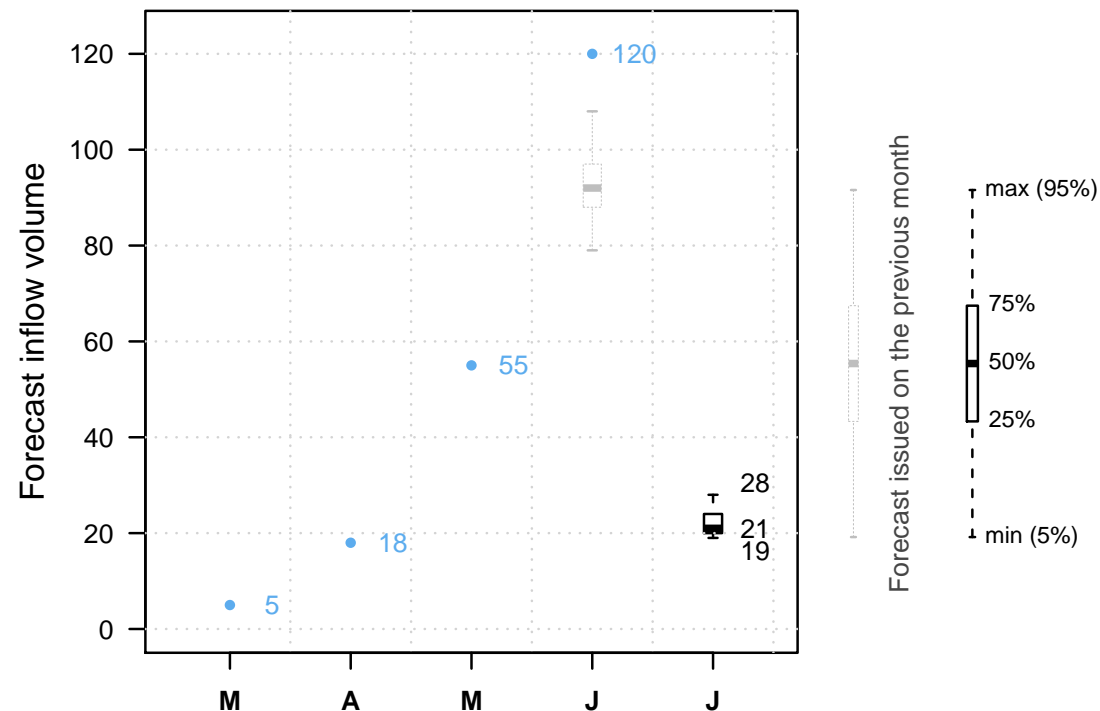


It is July 1st.

The reservoir is at 501  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

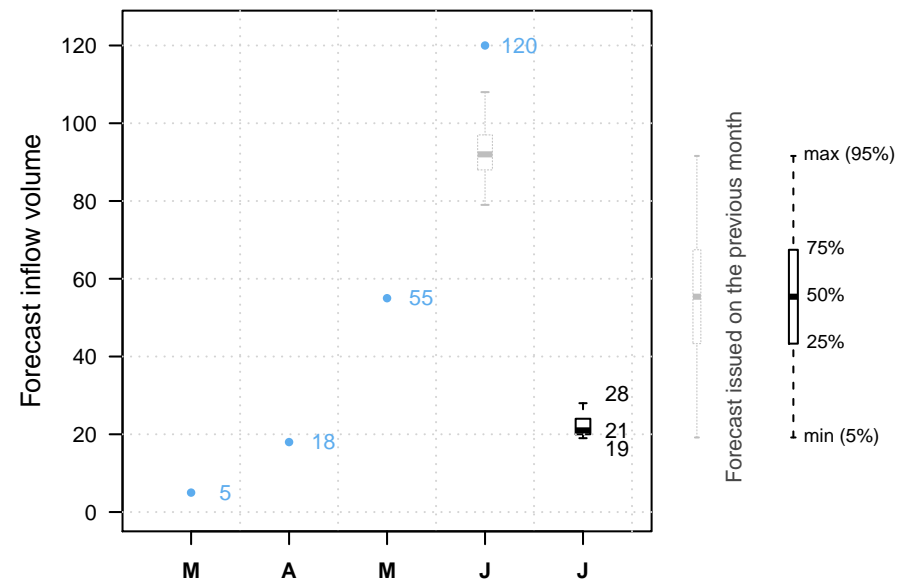
Previous decisions: A B B



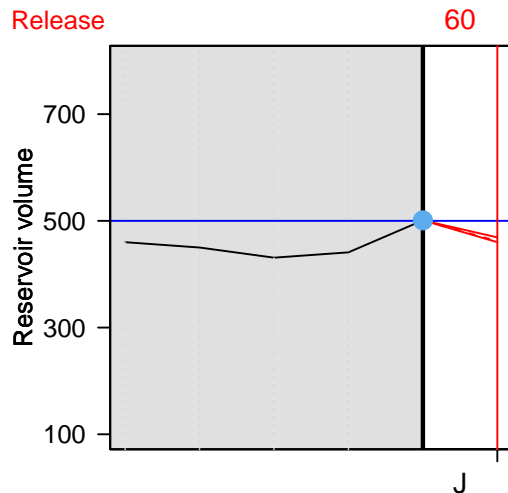
It is July 1st.

And our volunteer?

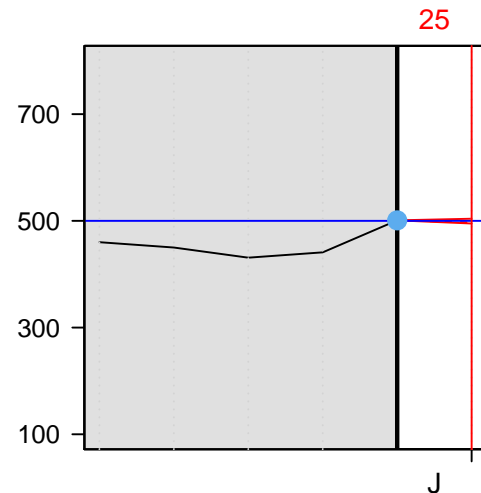
Let's see which release option our volunteer will choose.



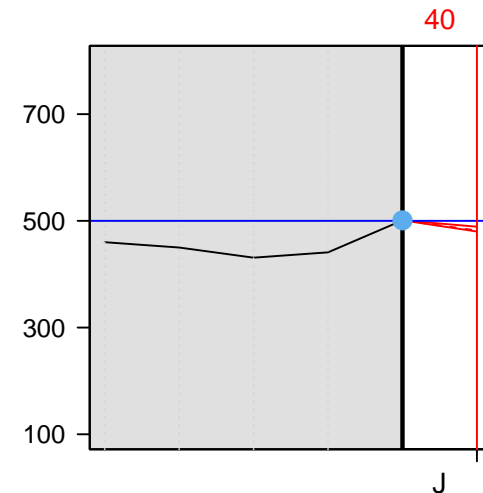
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 463 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

NEXT

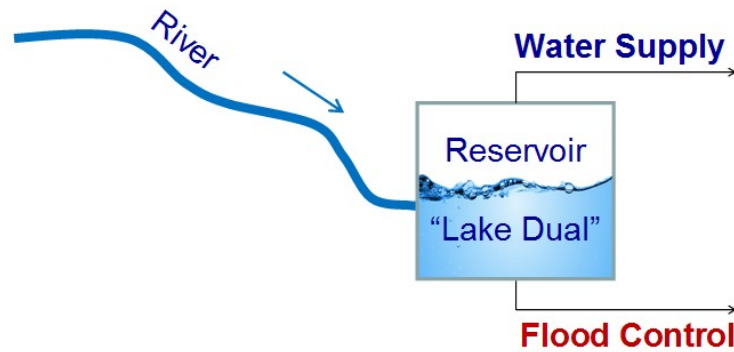
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



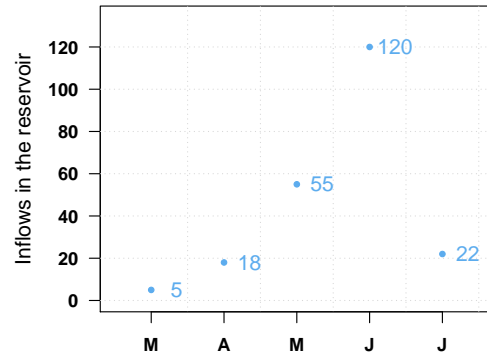
Swof Town



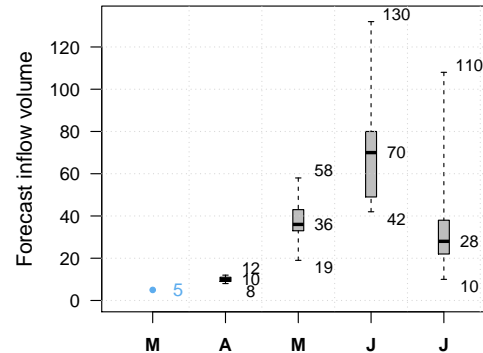
Safe Town



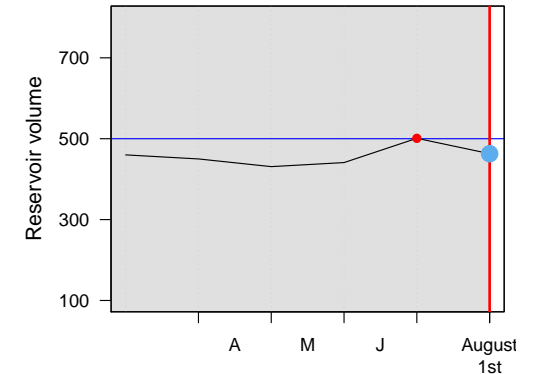
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

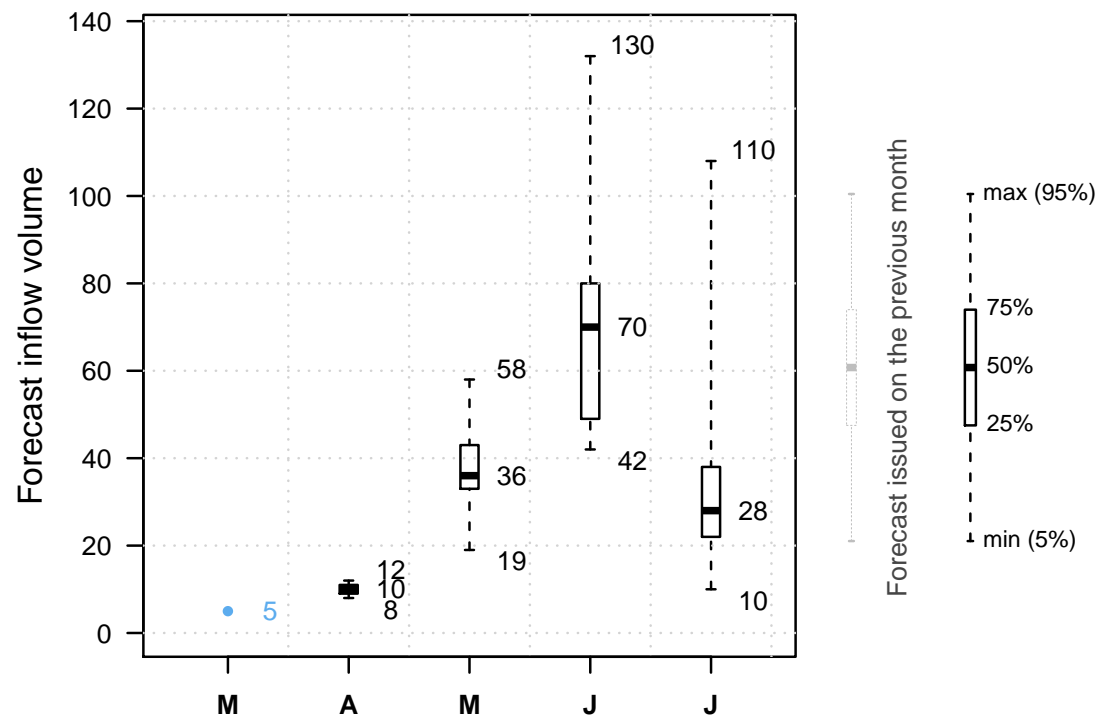


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

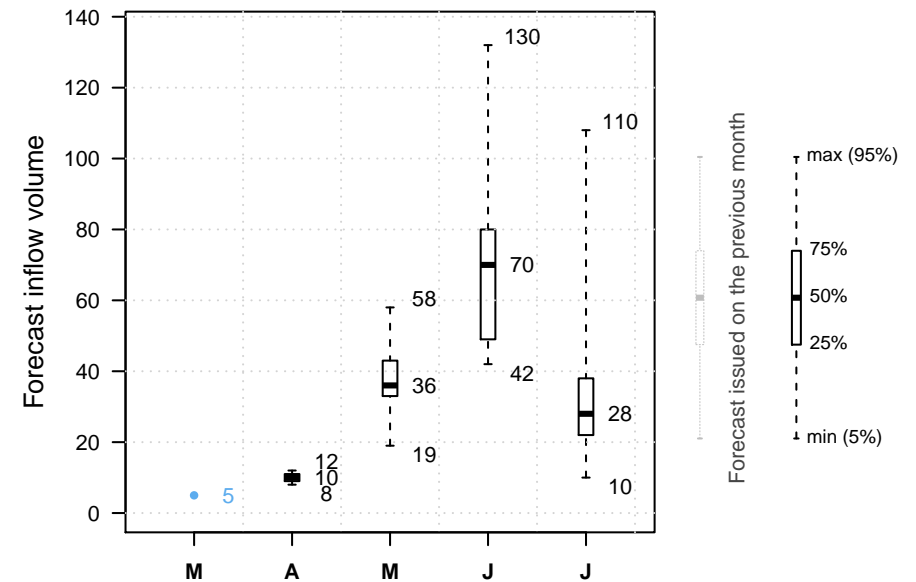
**NEXT**



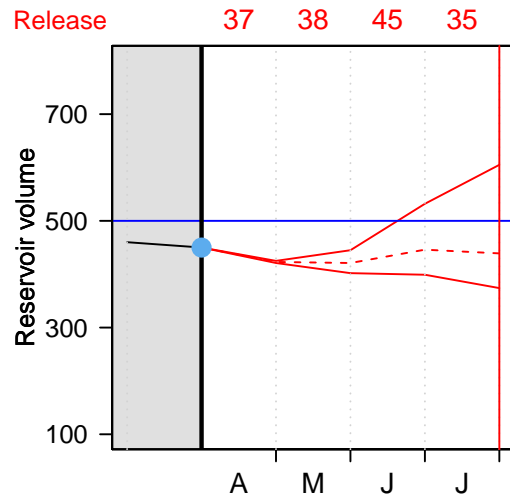
It is April 1st.

And our volunteer?

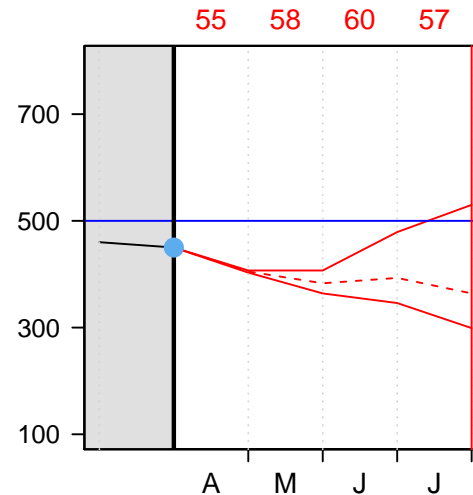
Let's see which release option our volunteer will choose.



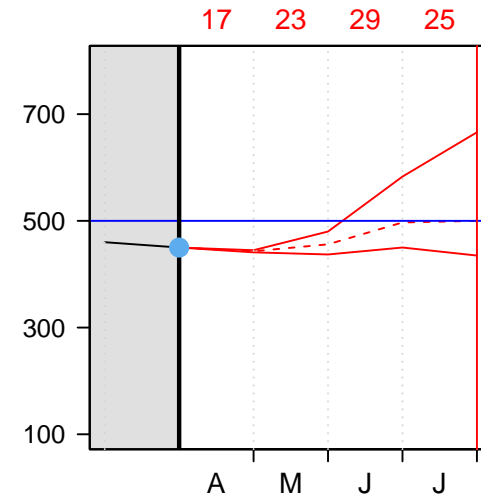
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

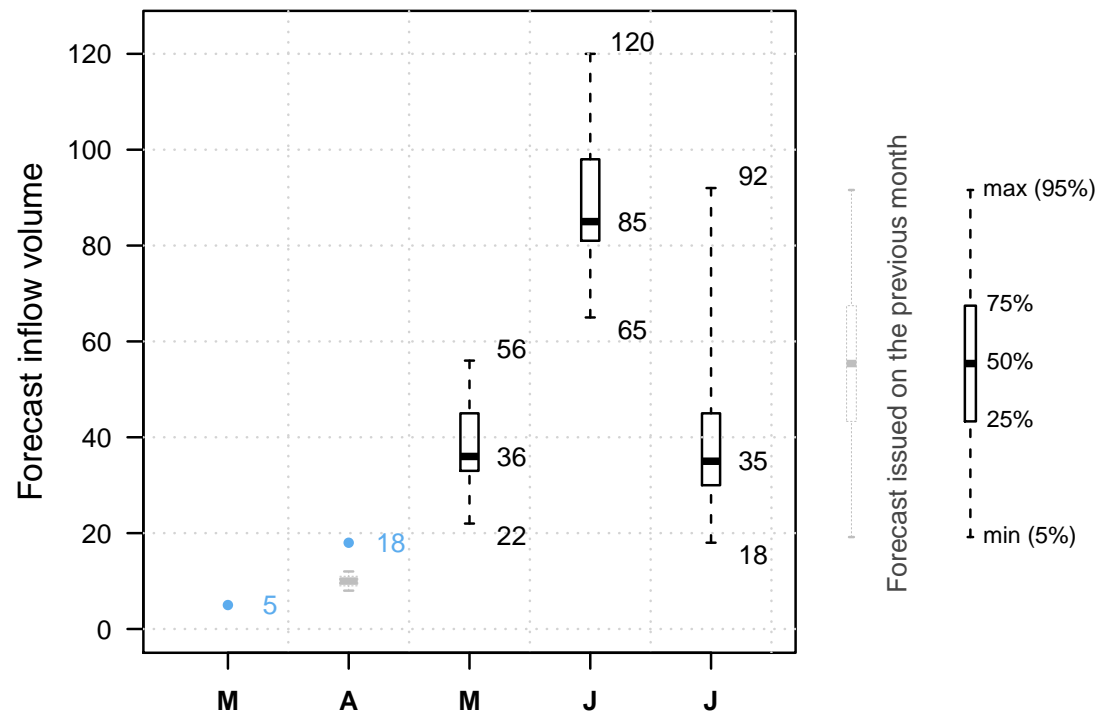


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

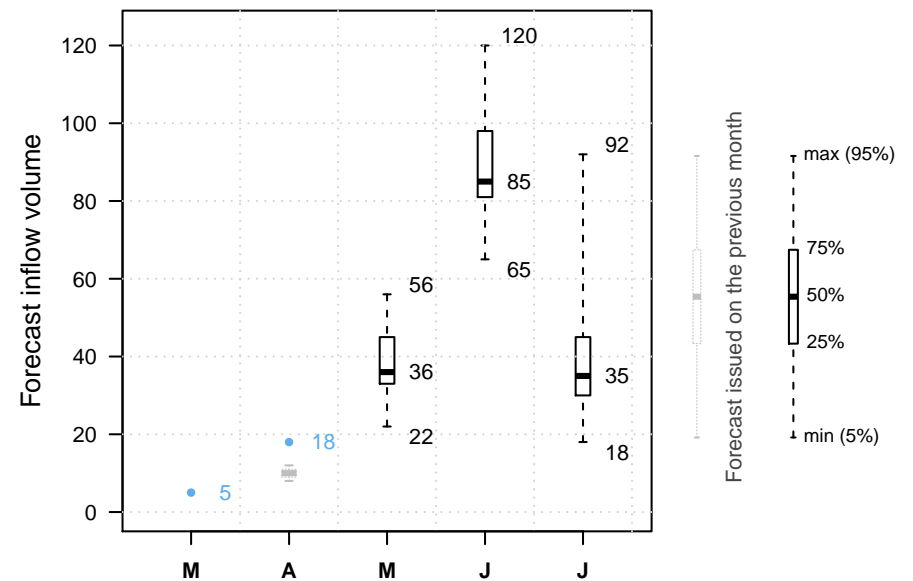
Previous decisions: B



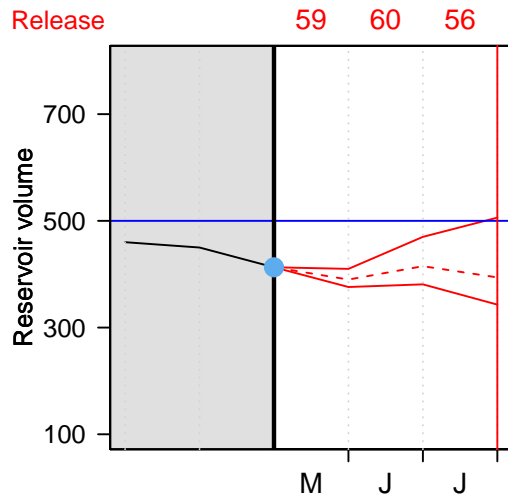
It is May 1st.

And our volunteer?

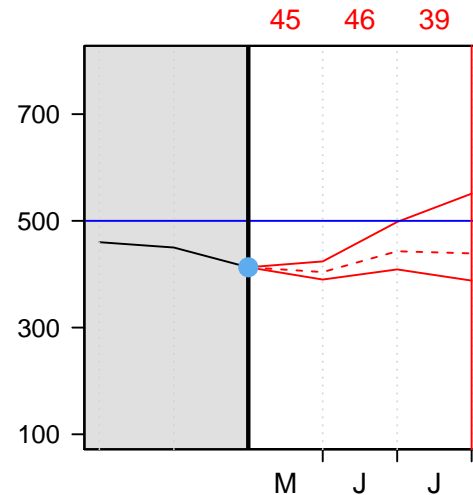
Let's see which release option our volunteer will choose.



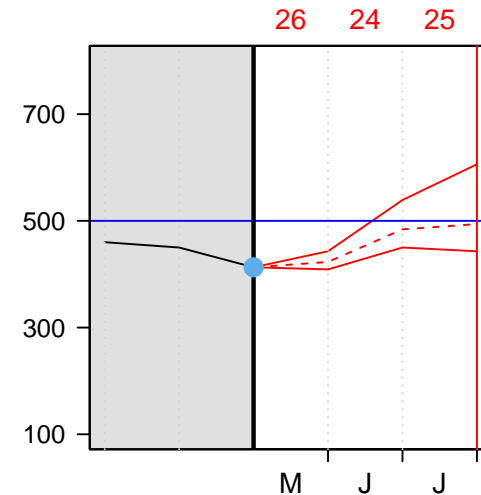
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

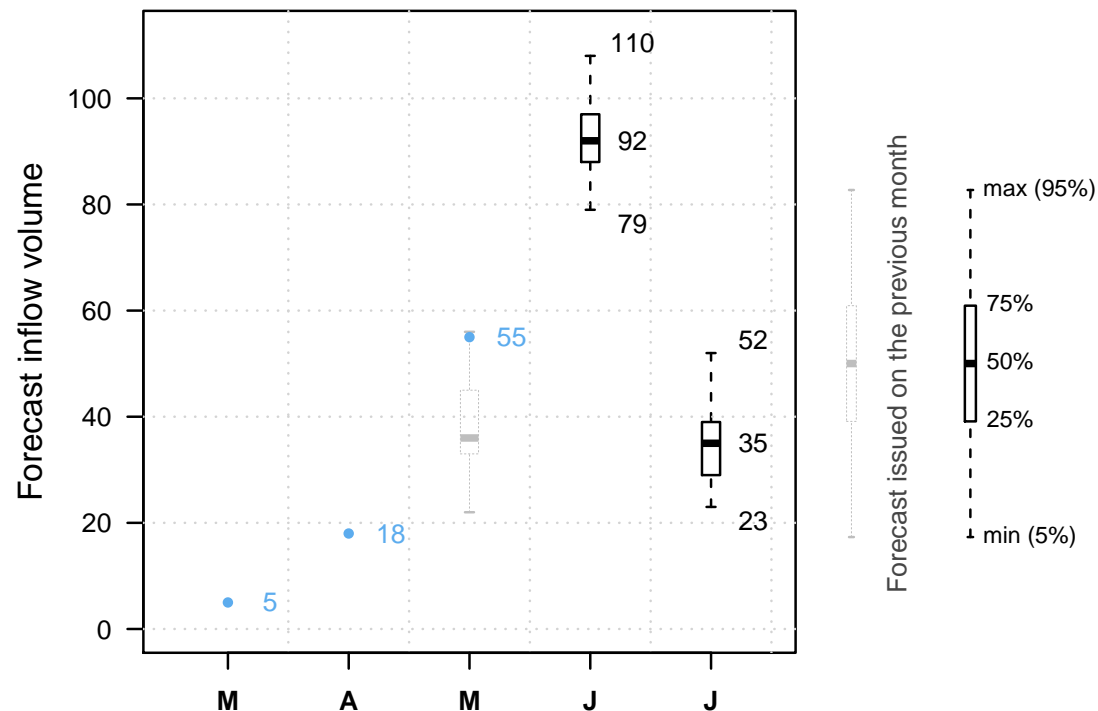


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

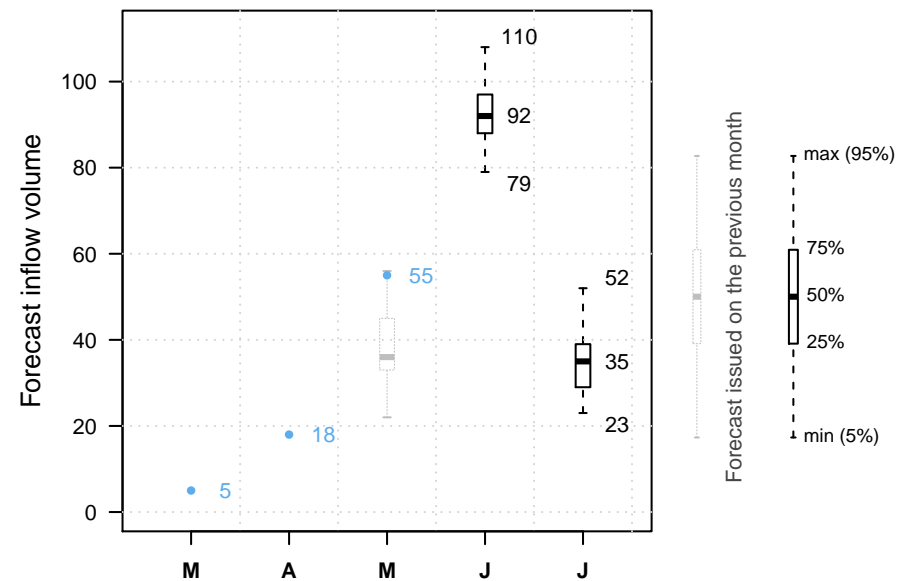
Previous decisions: B B



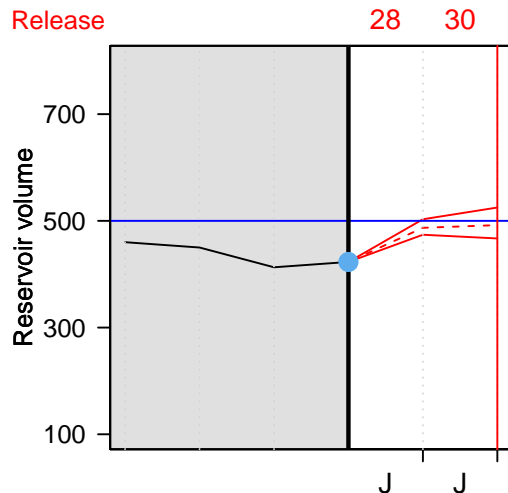
It is June 1st.

And our volunteer?

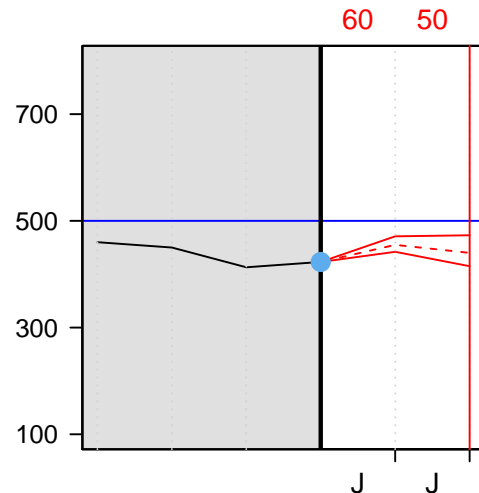
Let's see which release option our volunteer will choose.



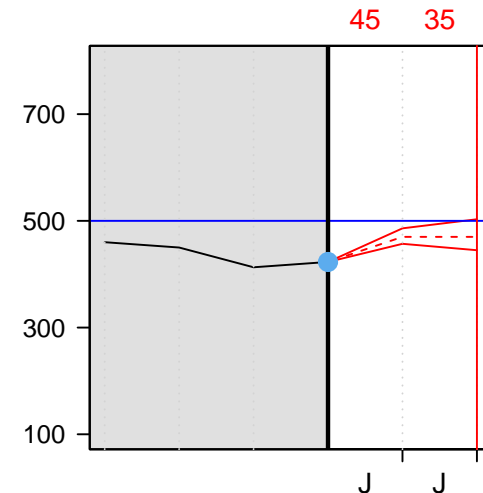
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

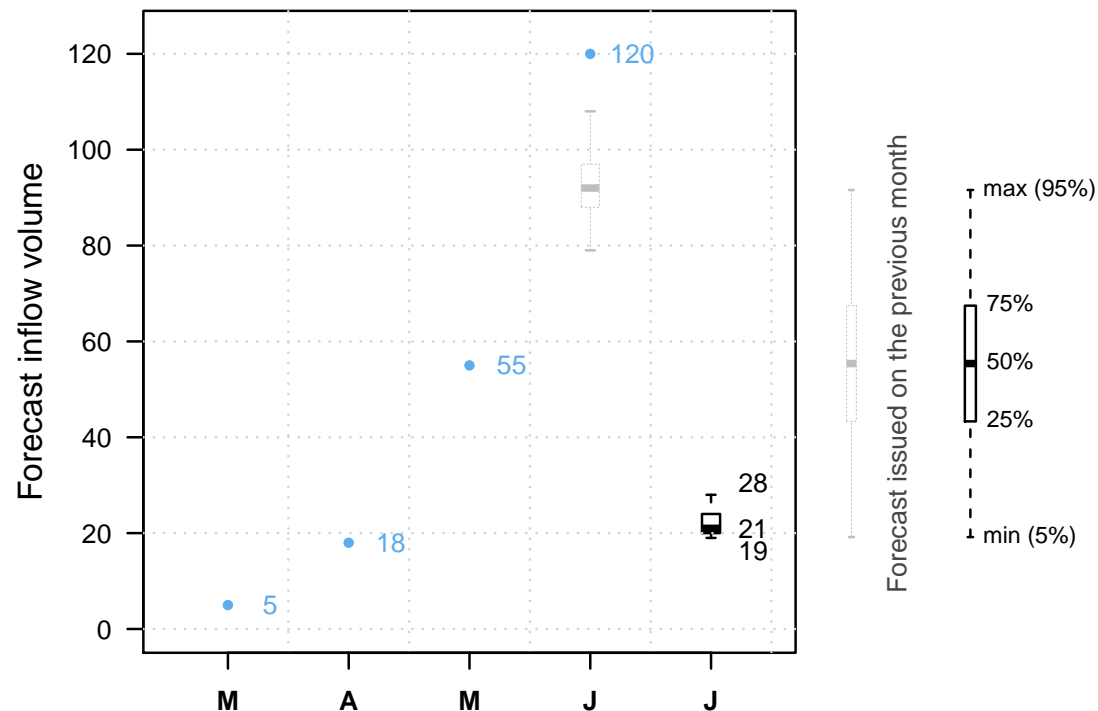


It is July 1st.

The reservoir is at 483  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

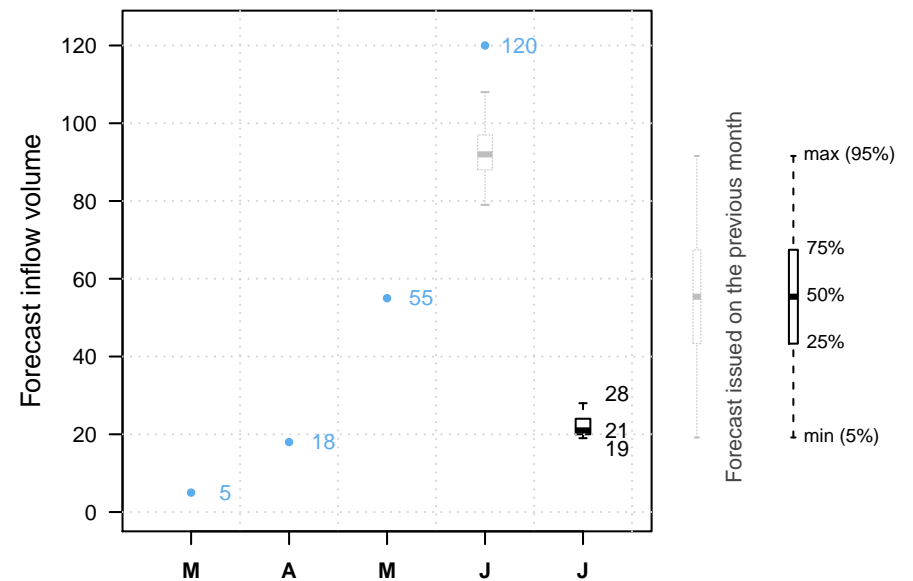
Previous decisions: B B B



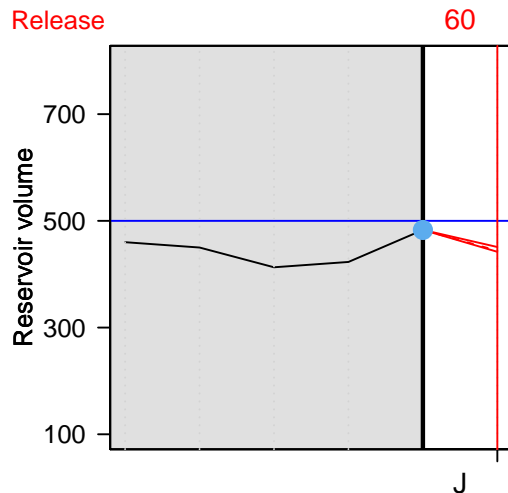
It is July 1st.

And our volunteer?

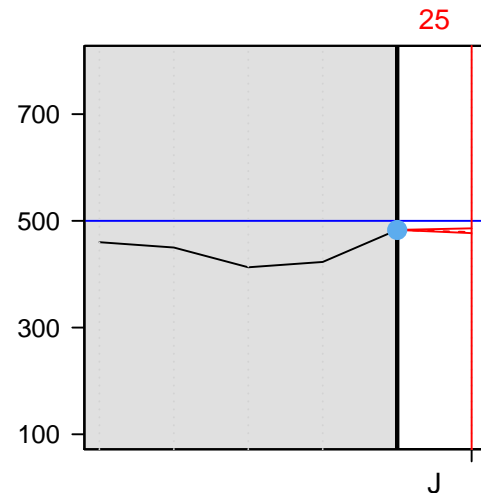
Let's see which release option our volunteer will choose.



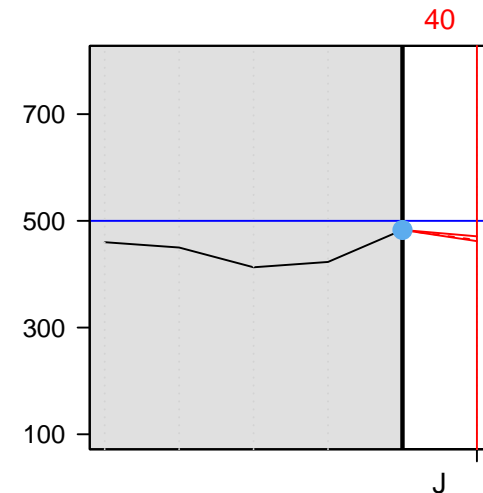
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$483 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 445 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

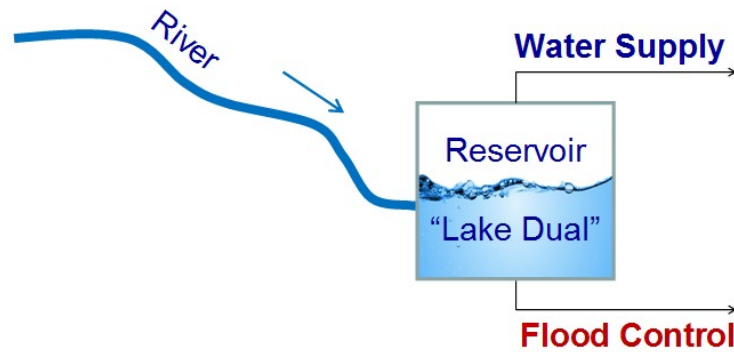
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



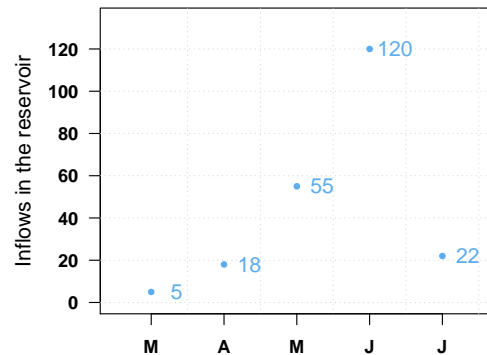
Swof Town



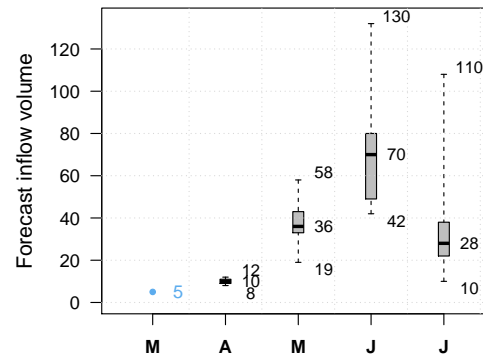
Safe Town



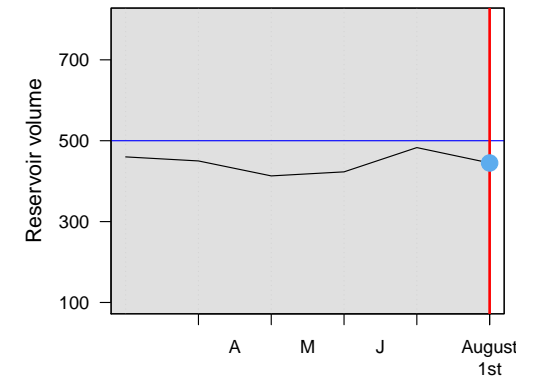
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

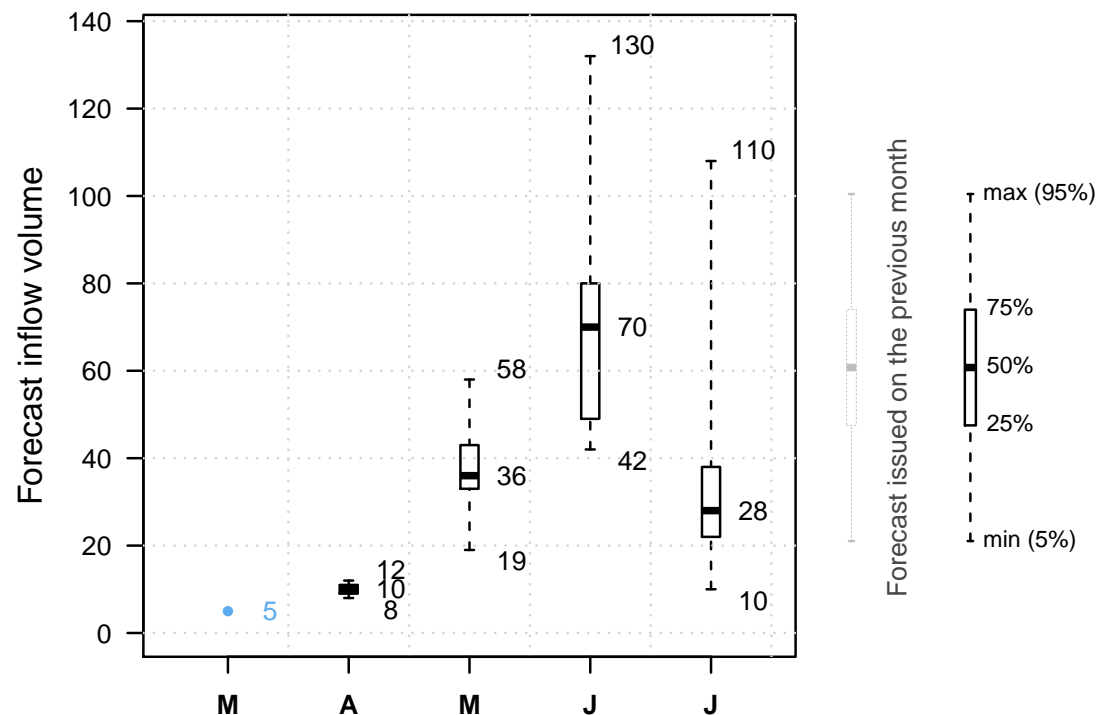


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

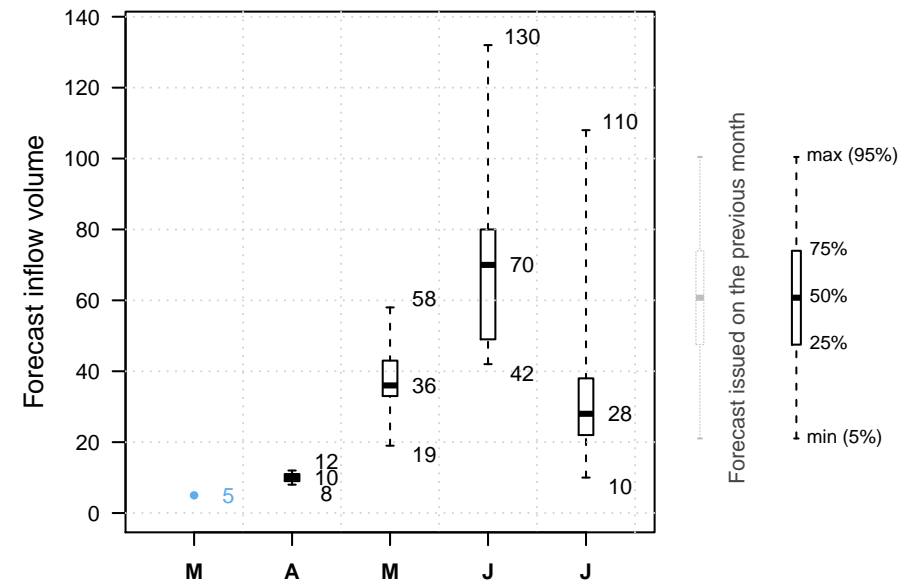
**NEXT**



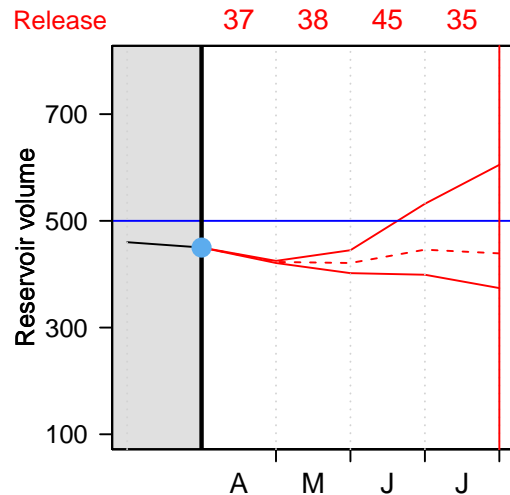
It is April 1st.

And our volunteer?

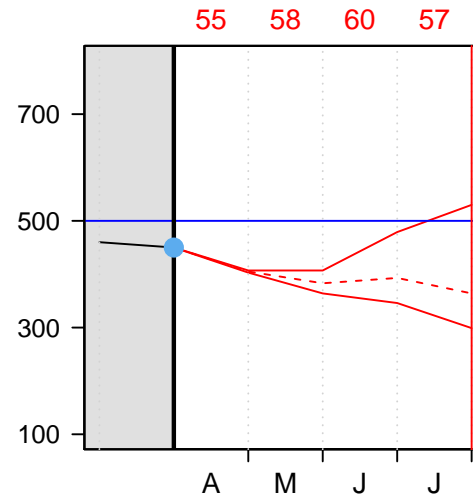
Let's see which release option our volunteer will choose.



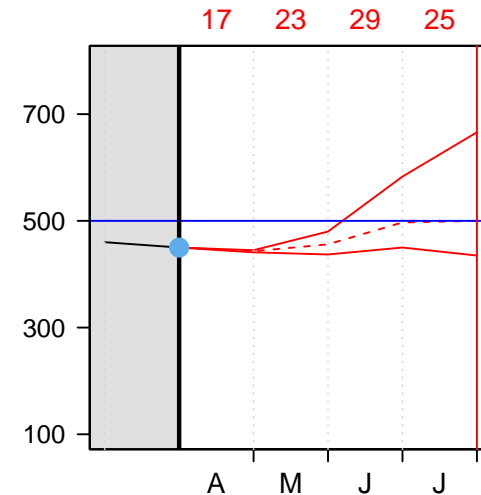
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

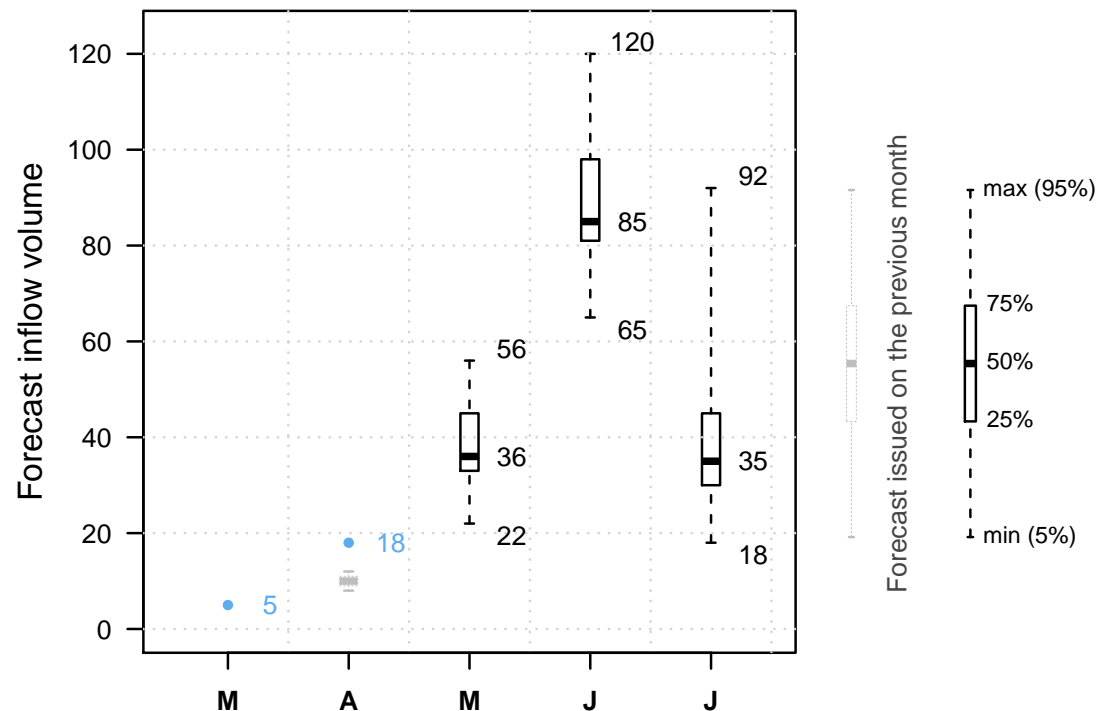


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

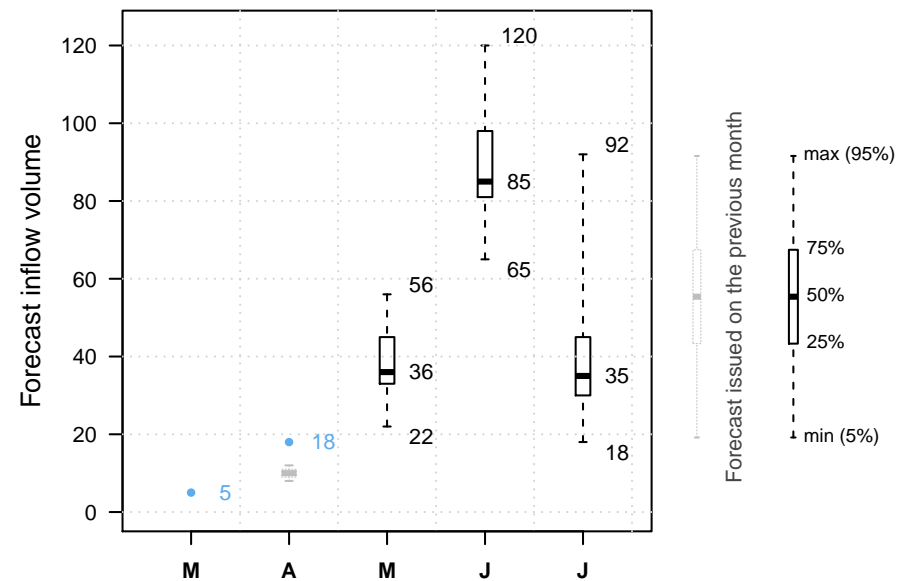
Previous decisions: C



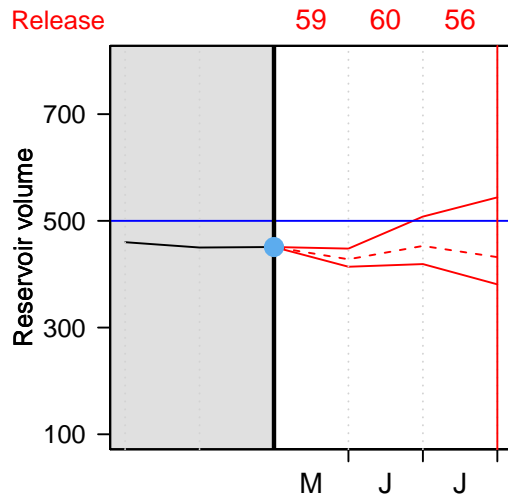
It is May 1st.

And our volunteer?

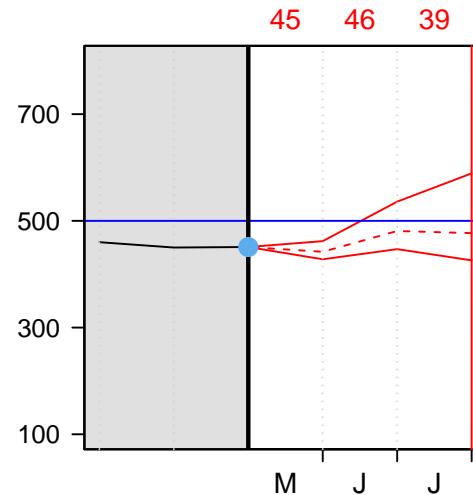
Let's see which release option our volunteer will choose.



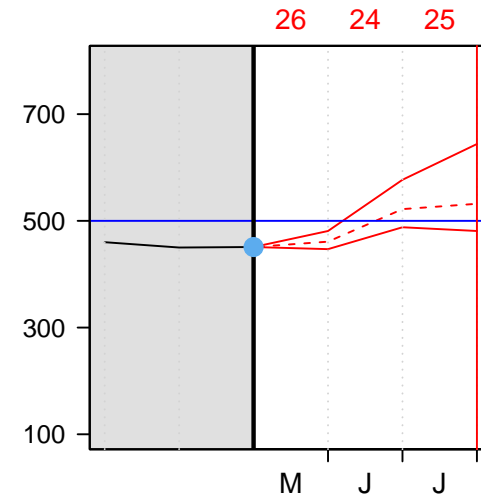
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

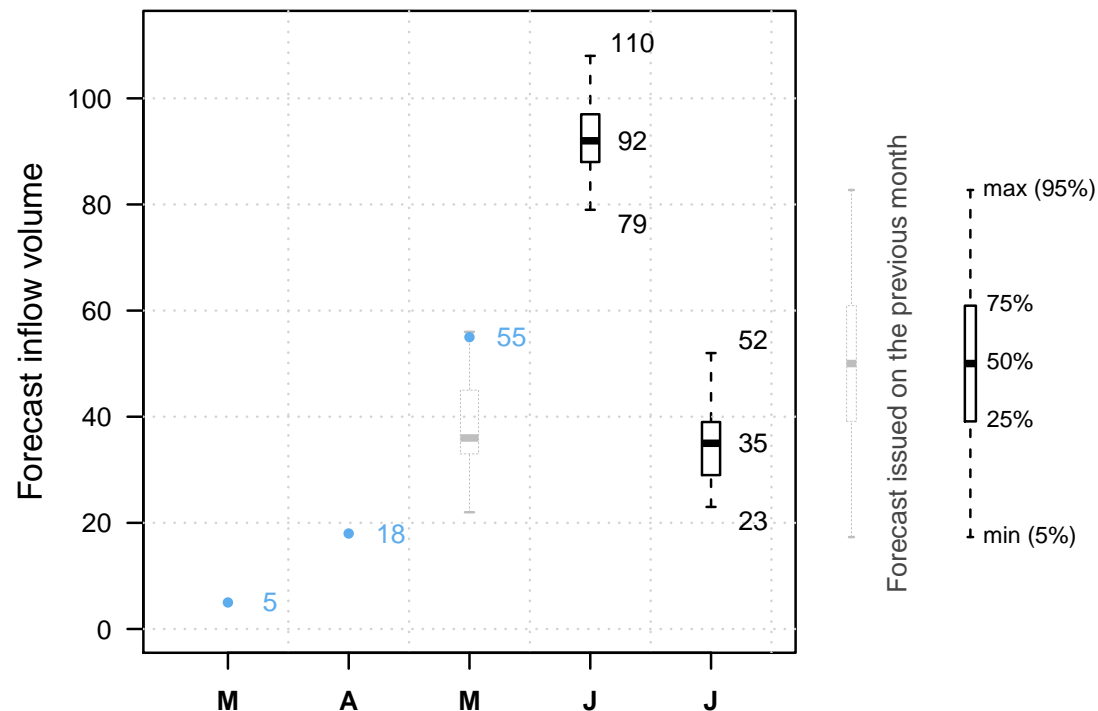


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

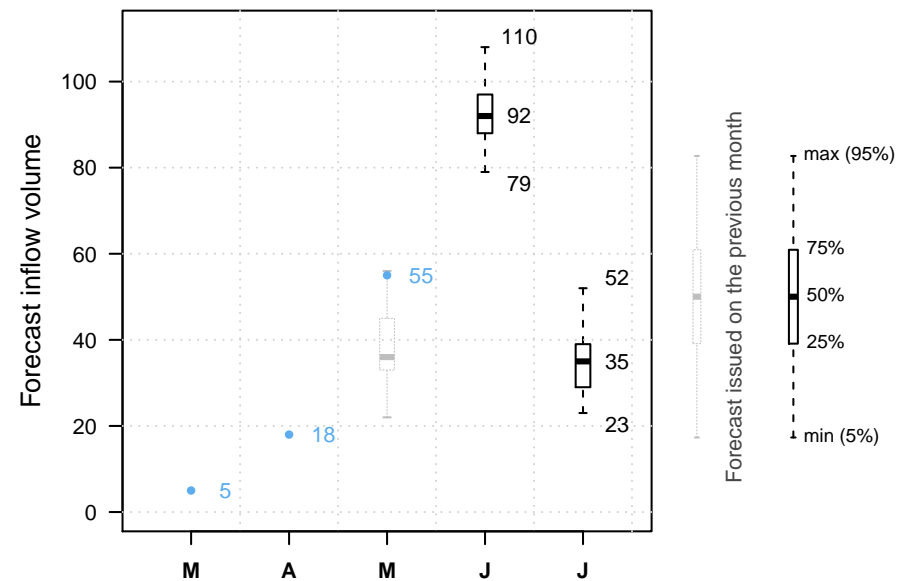
Previous decisions: C B



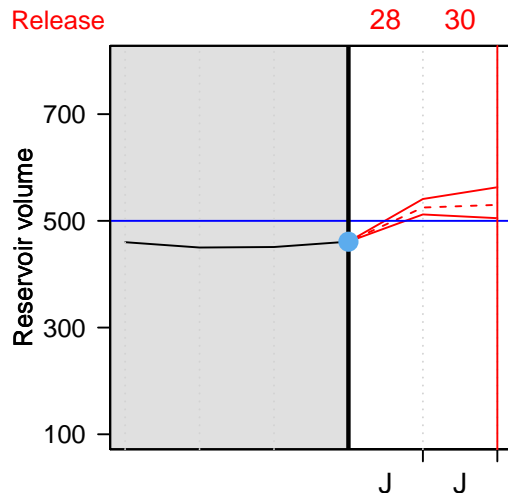
It is June 1st.

And our volunteer?

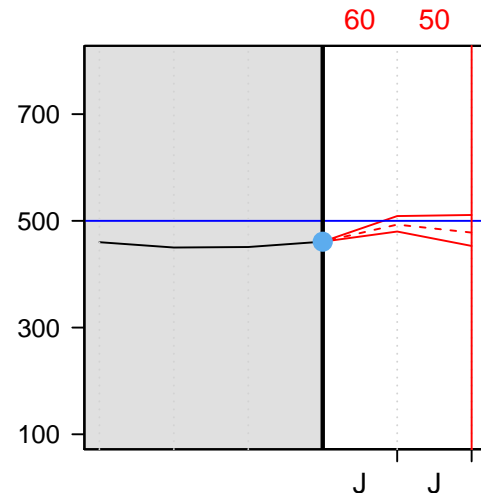
Let's see which release option our volunteer will choose.



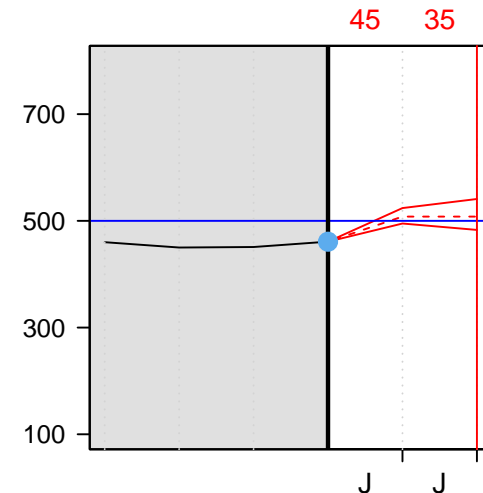
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 521 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

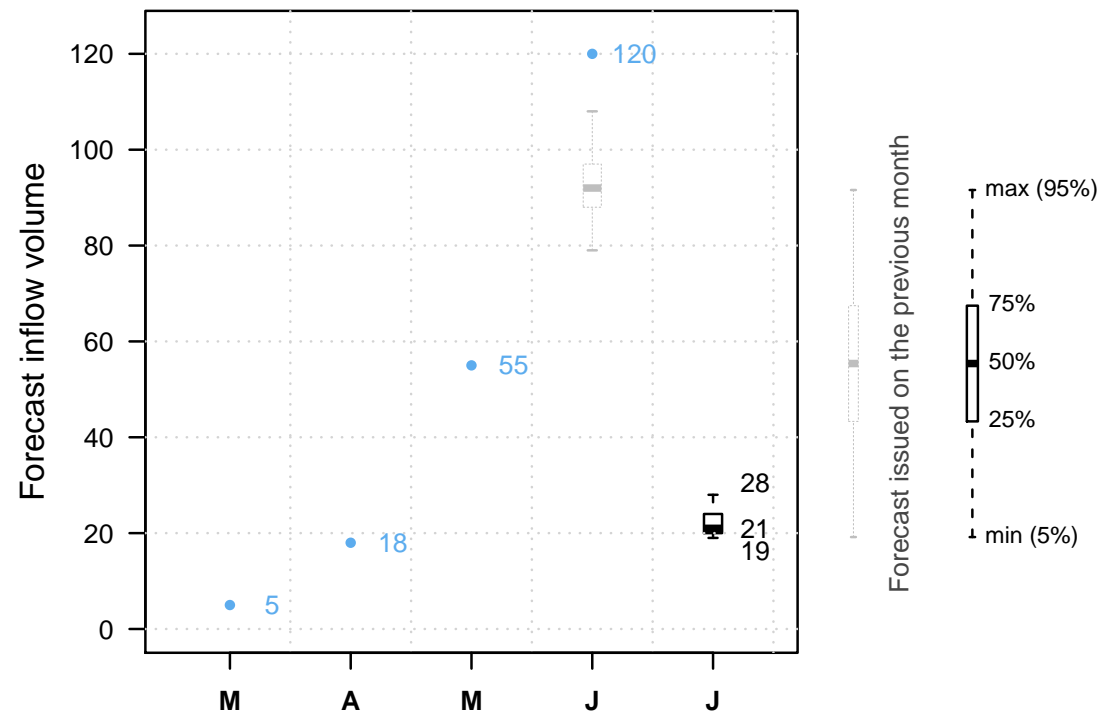


It is July 1st.

The reservoir is at 521  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

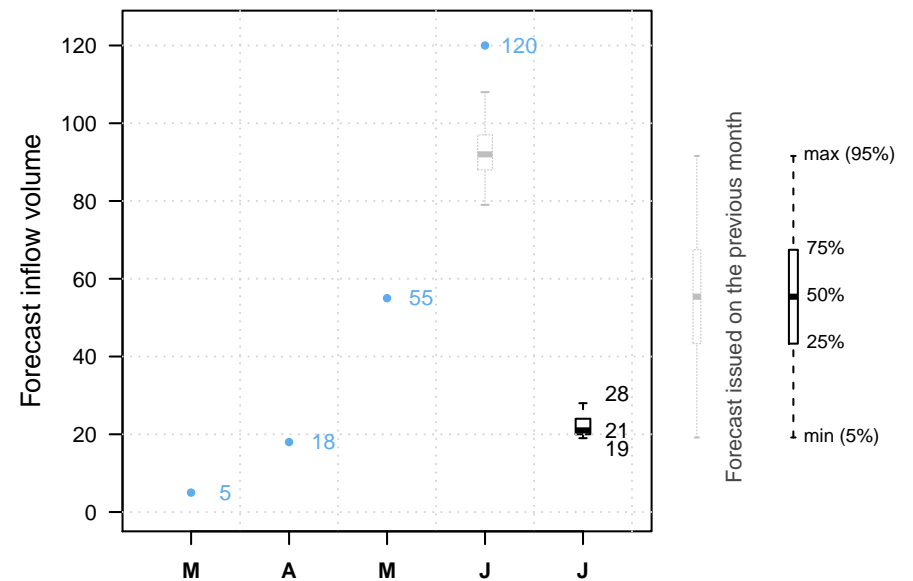
Previous decisions: C B B



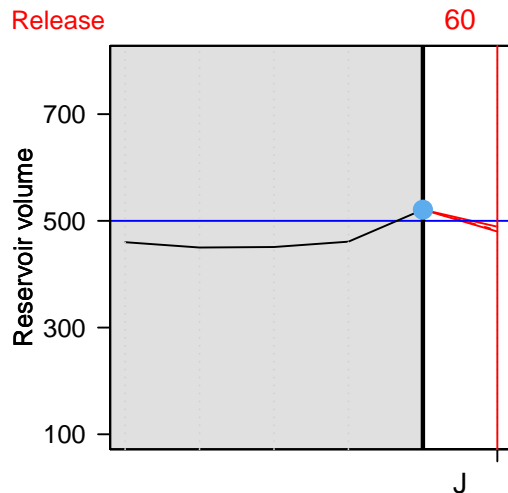
It is July 1st.

And our volunteer?

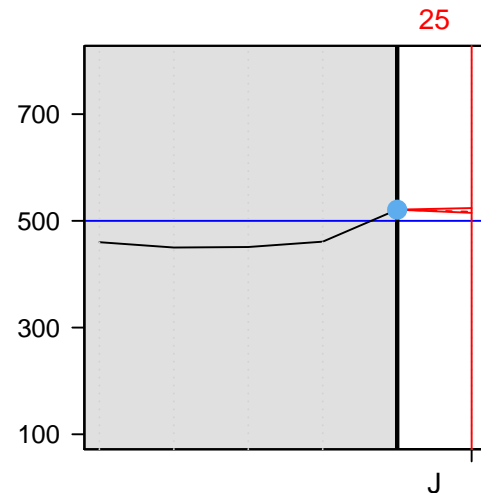
Let's see which release option our volunteer will choose.



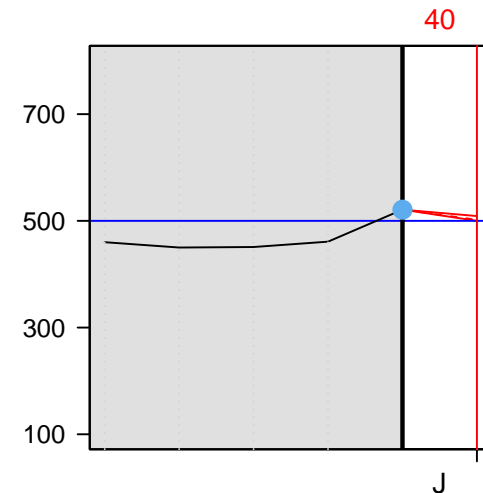
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$521 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

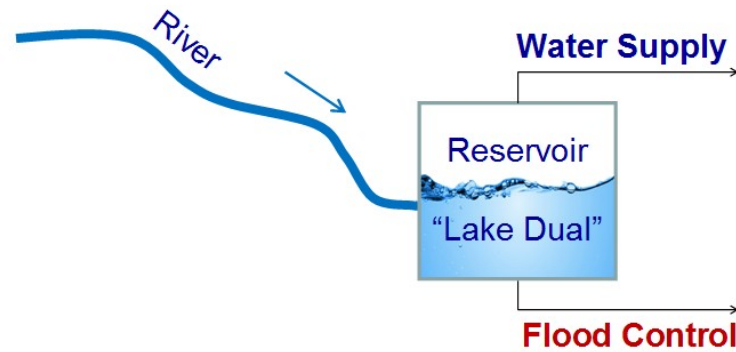
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



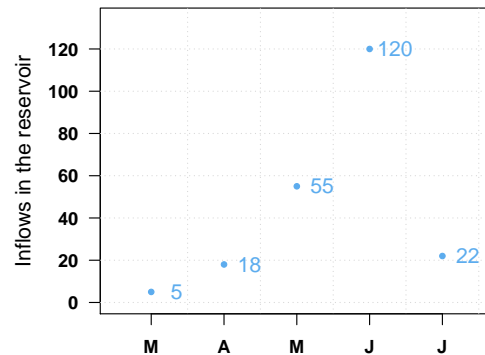
Swof Town



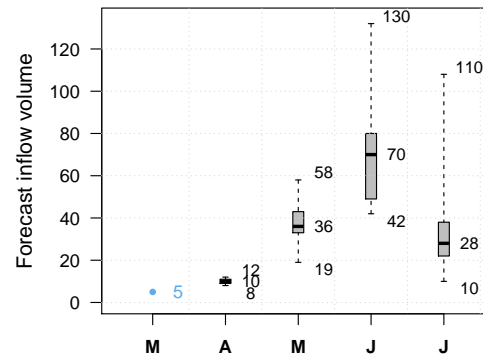
Safe Town



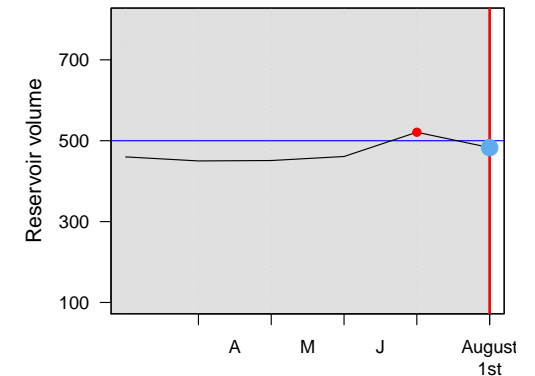
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

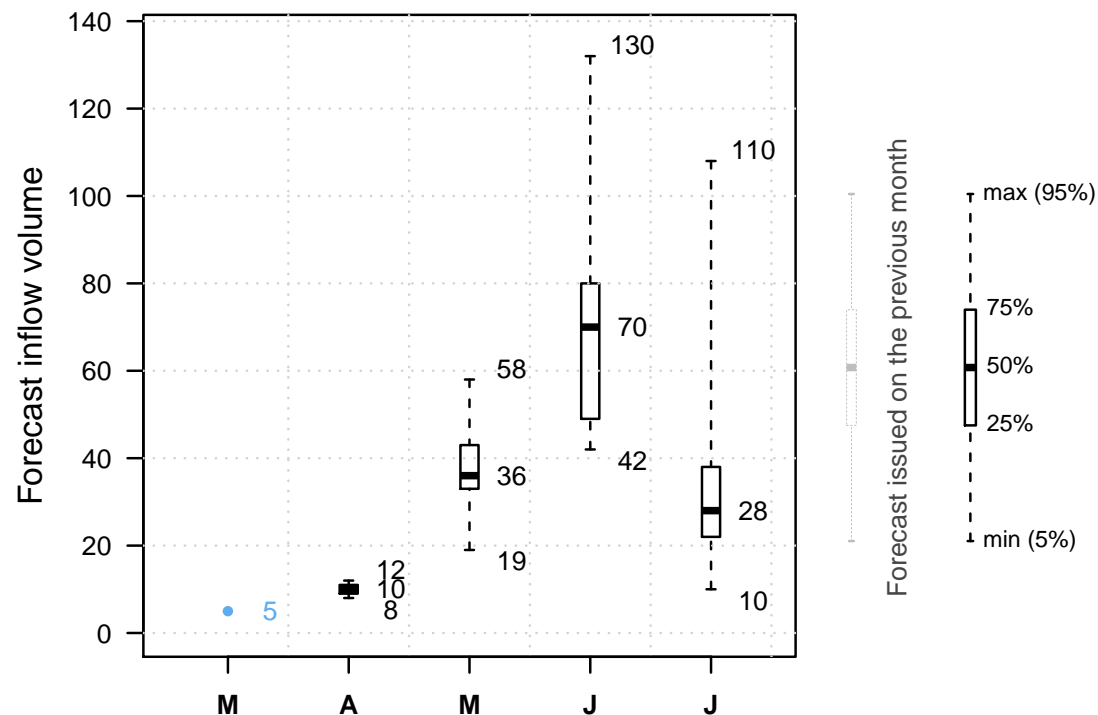


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

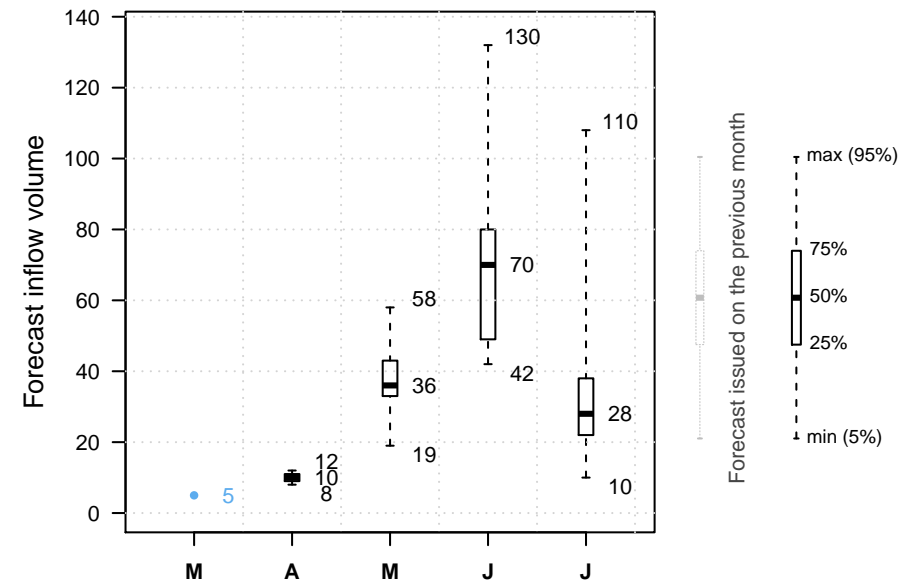
**NEXT**



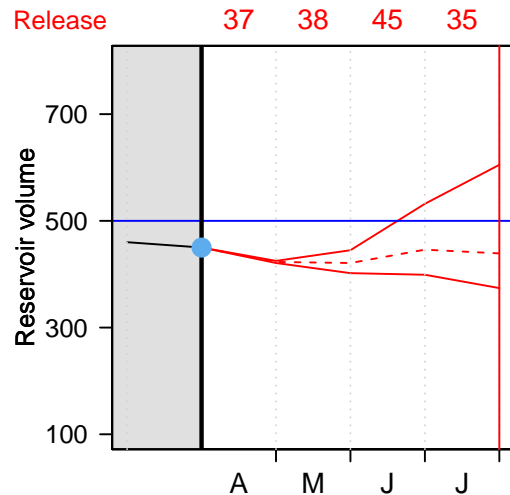
It is April 1st.

And our volunteer?

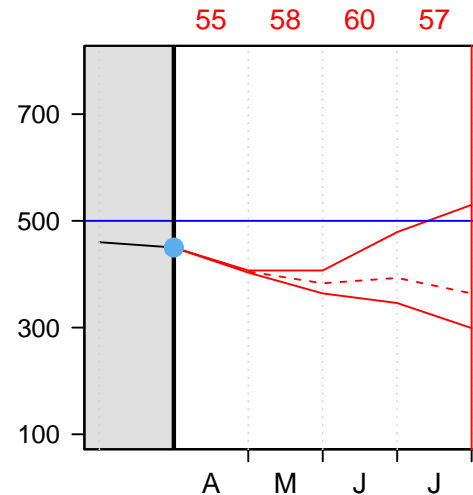
Let's see which release option our volunteer will choose.



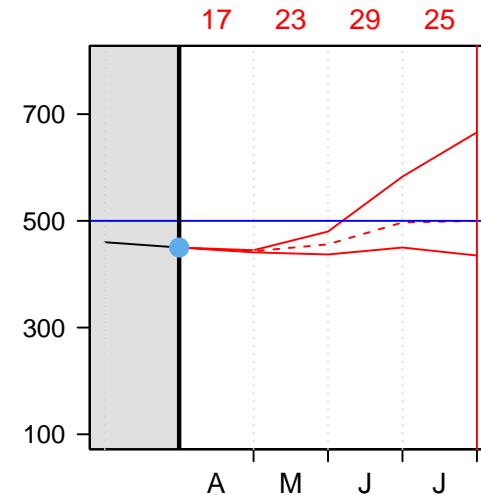
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume  $+ 18 \text{ Mm}^3 - \text{April release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

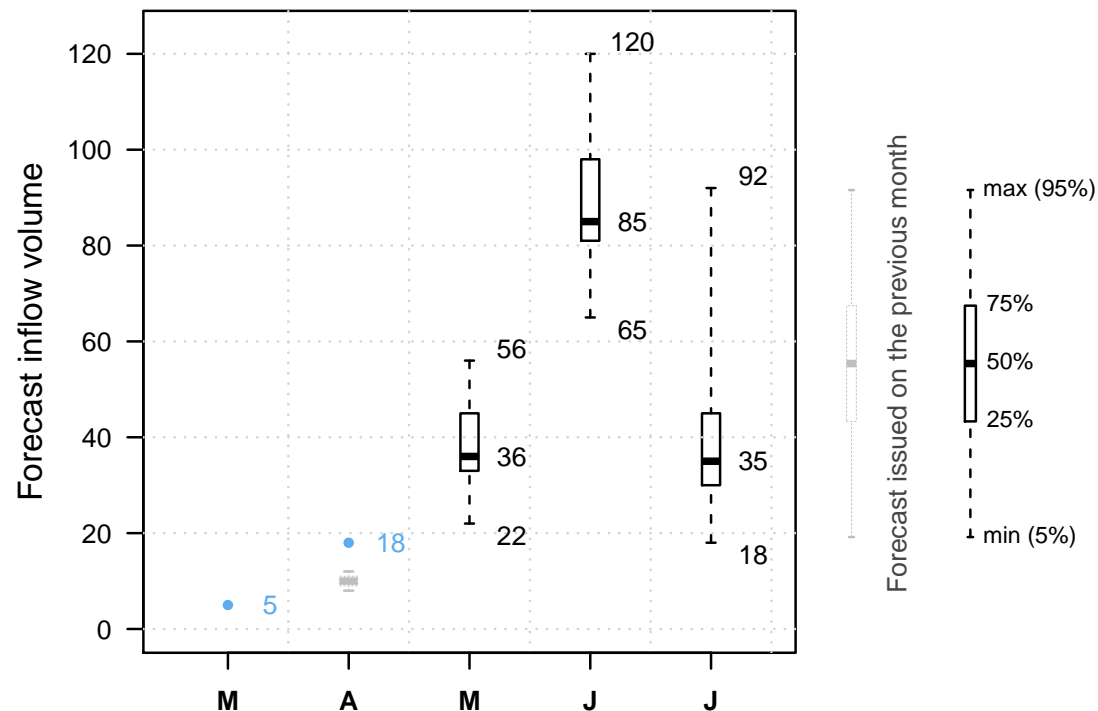


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



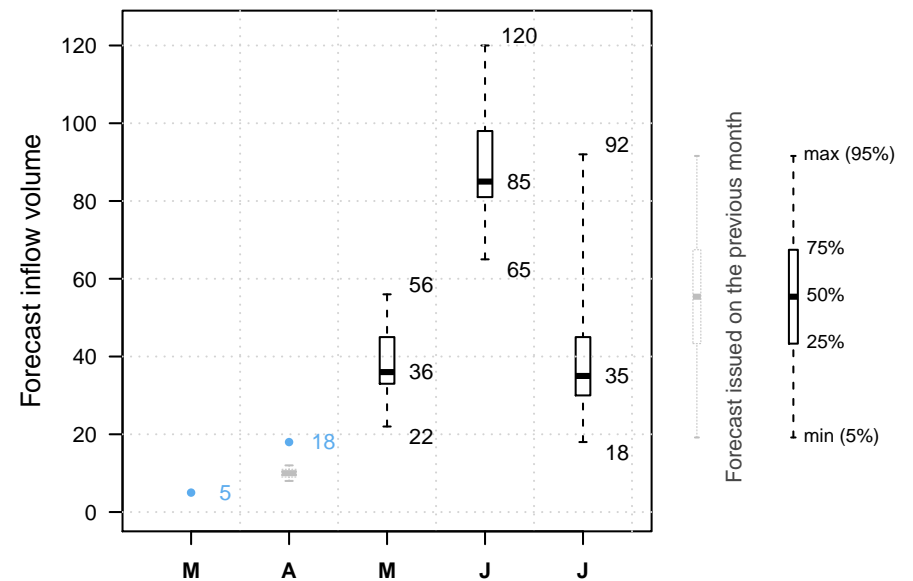
Previous decisions: A



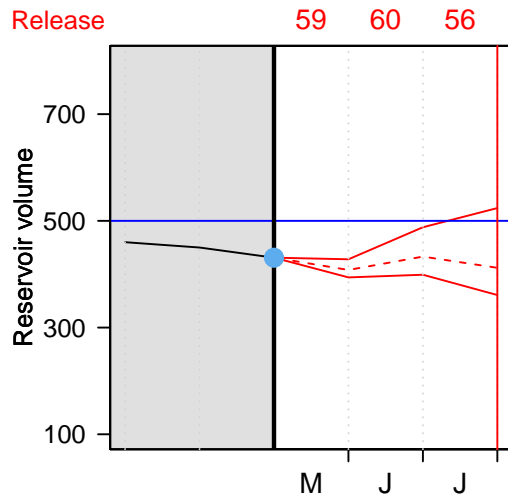
It is May 1st.

And our volunteer?

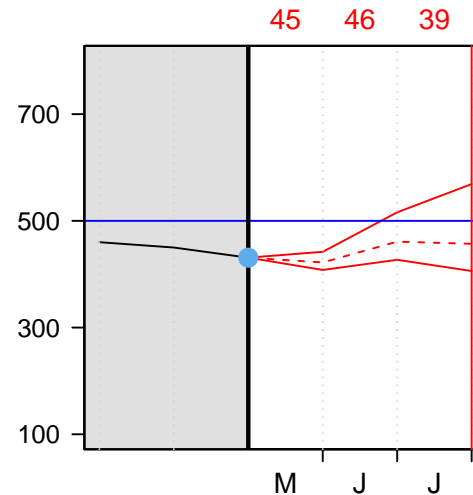
Let's see which release option our volunteer will choose.



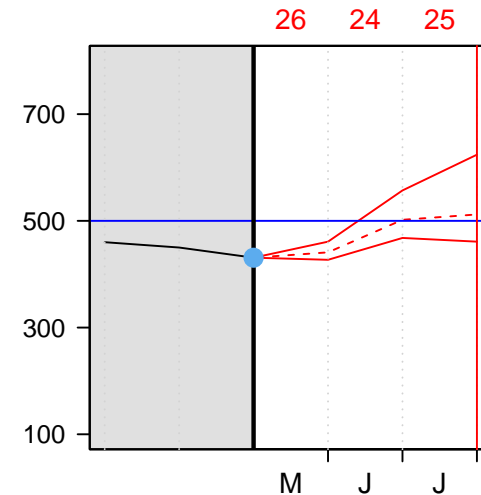
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

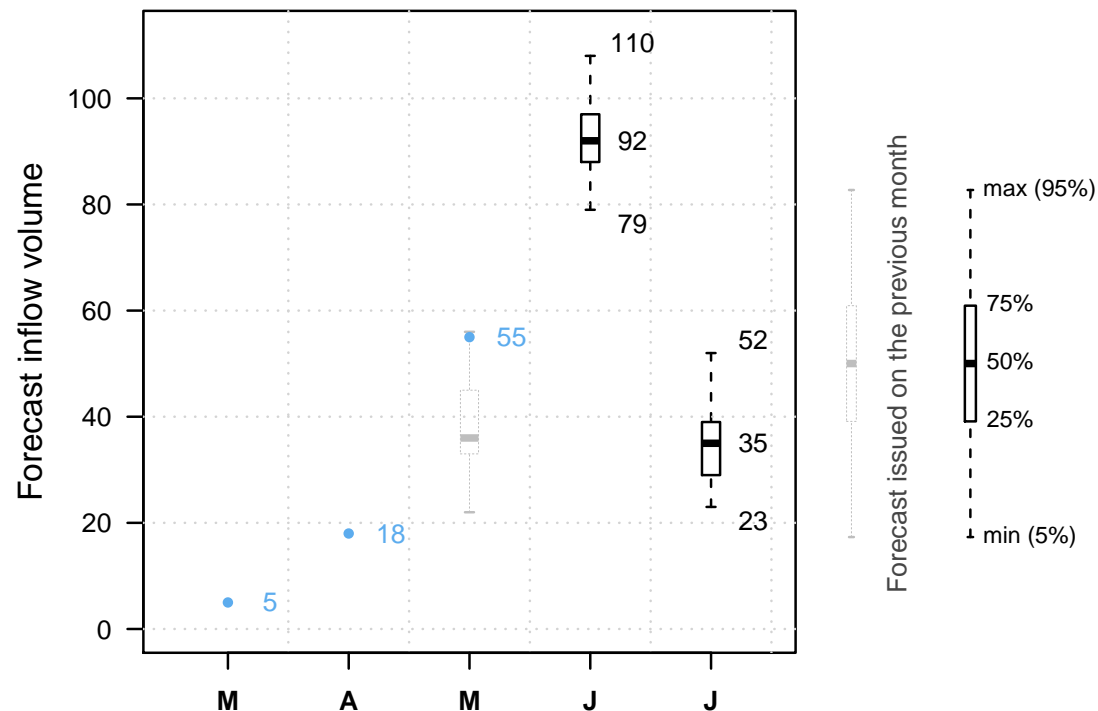


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

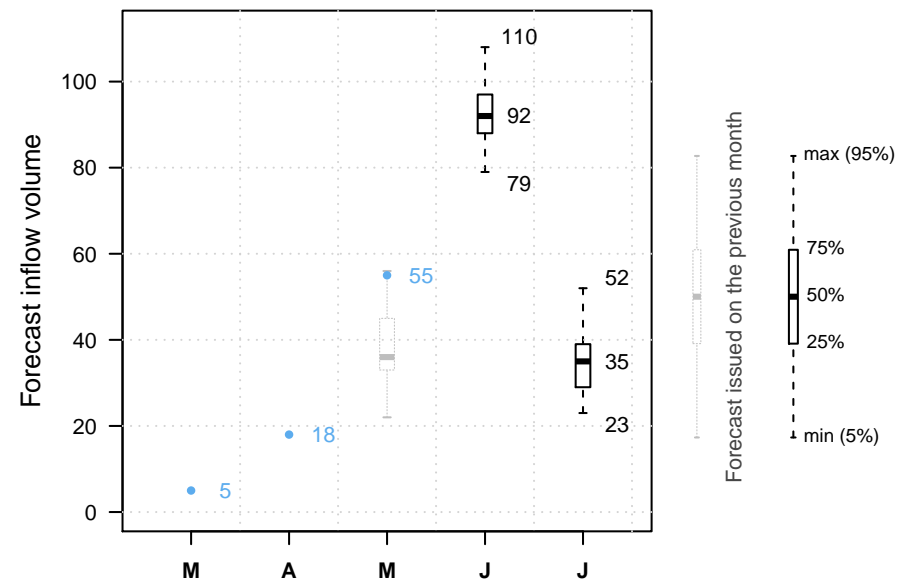
Previous decisions: A C



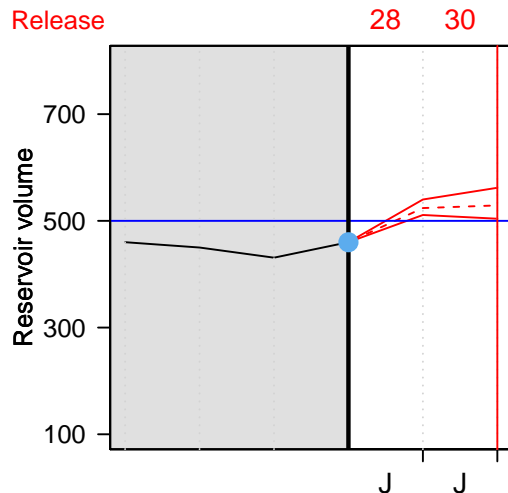
It is June 1st.

And our volunteer?

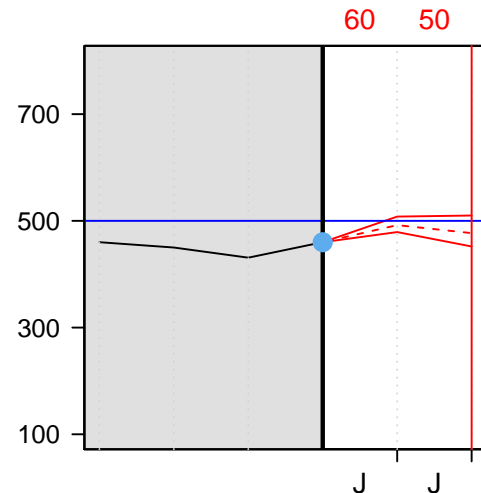
Let's see which release option our volunteer will choose.



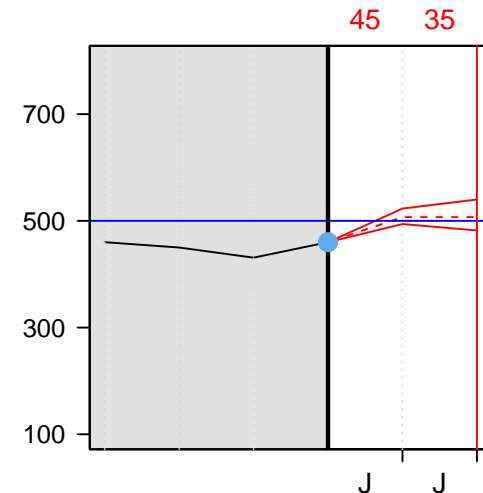
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 520 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

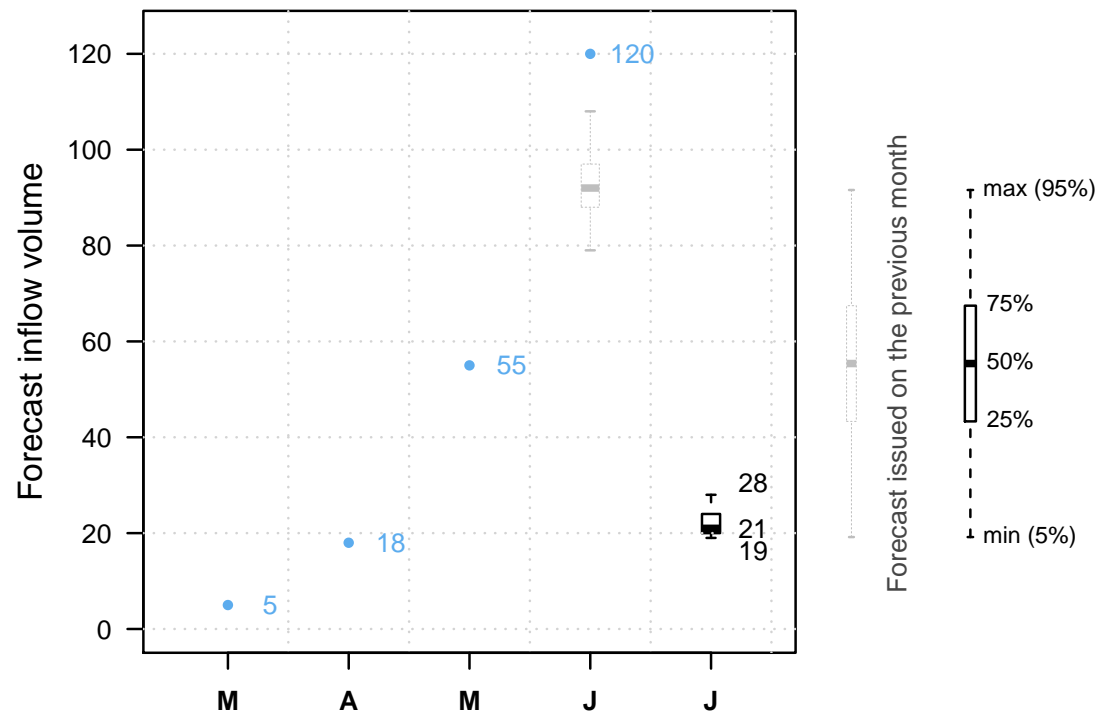


It is July 1st.

The reservoir is at  $520 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



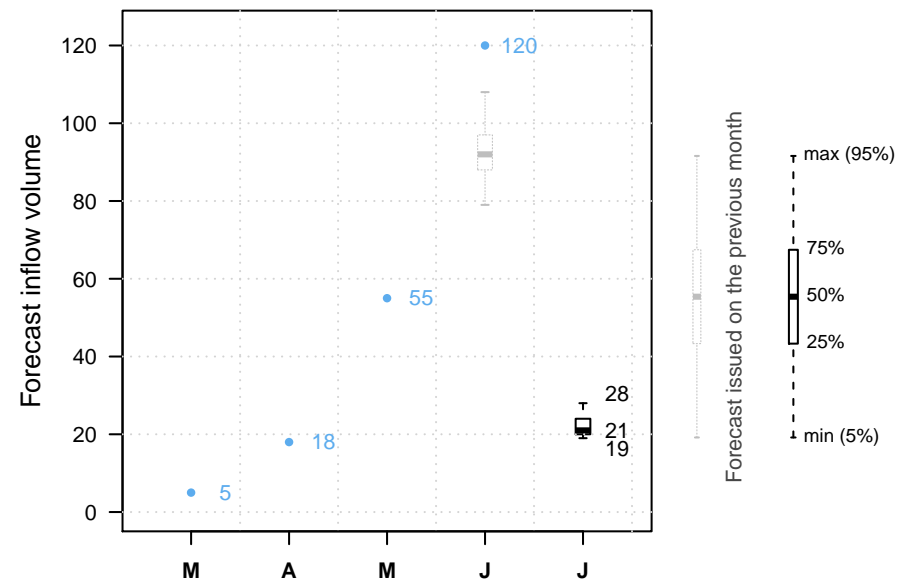
Previous decisions: A C B



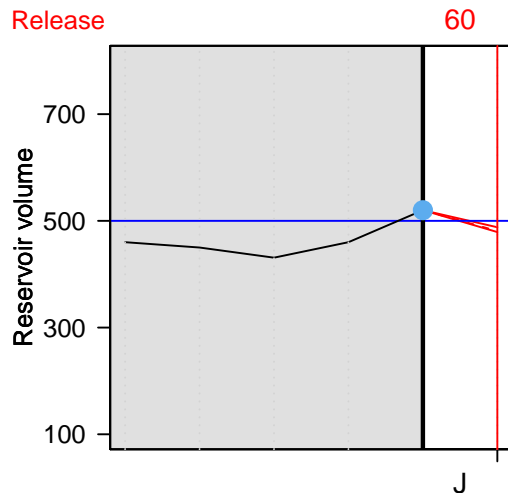
It is July 1st.

And our volunteer?

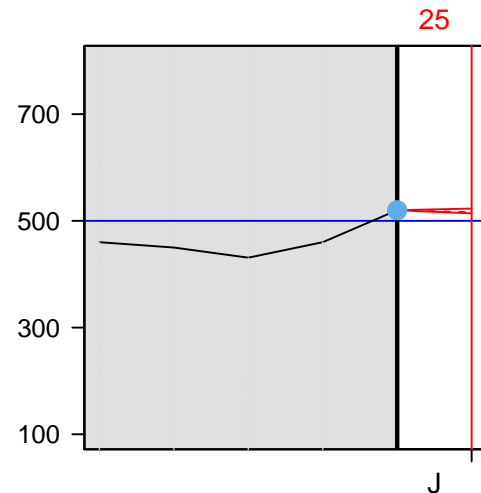
Let's see which release option our volunteer will choose.



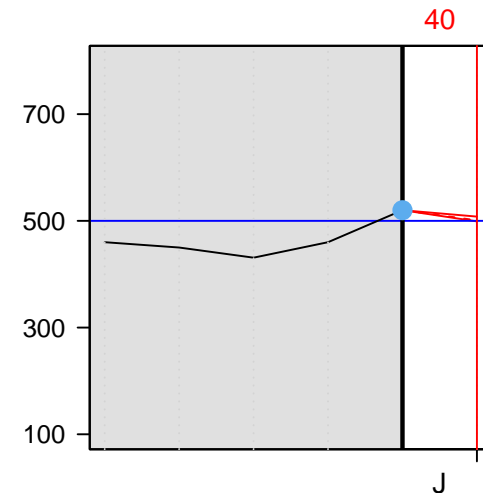
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$520 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 482 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

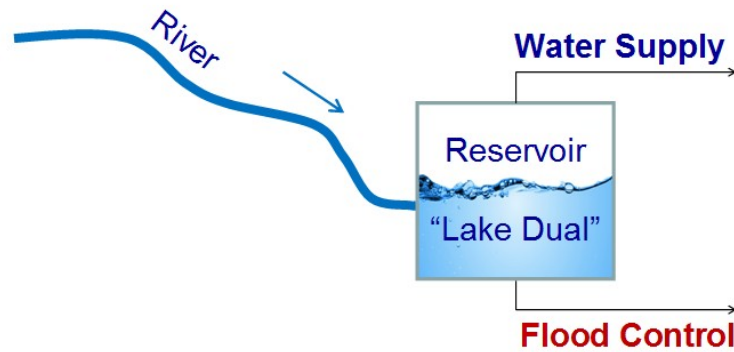
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



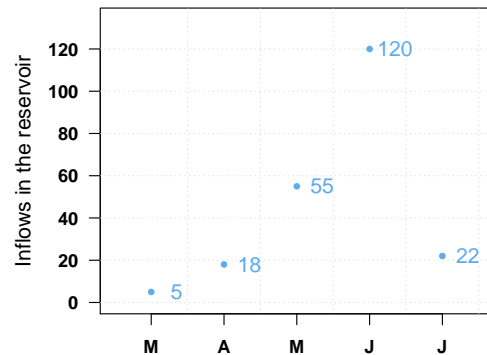
Swof Town



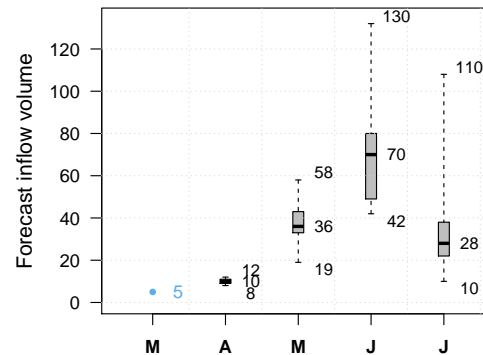
Safe Town



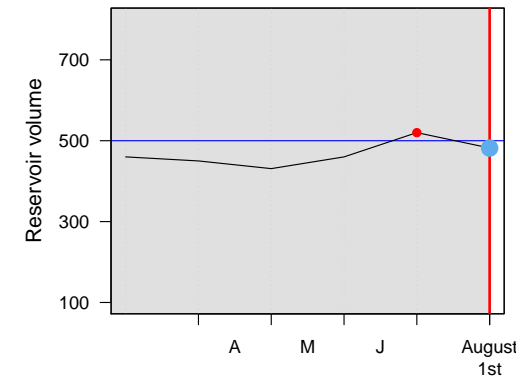
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

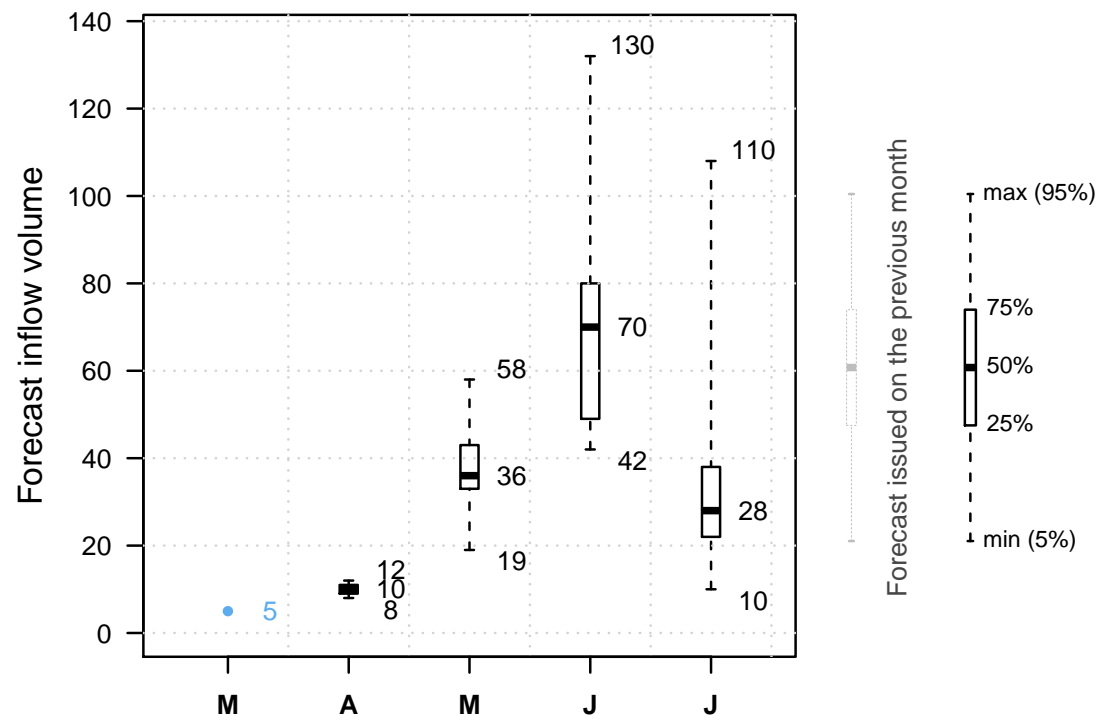


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

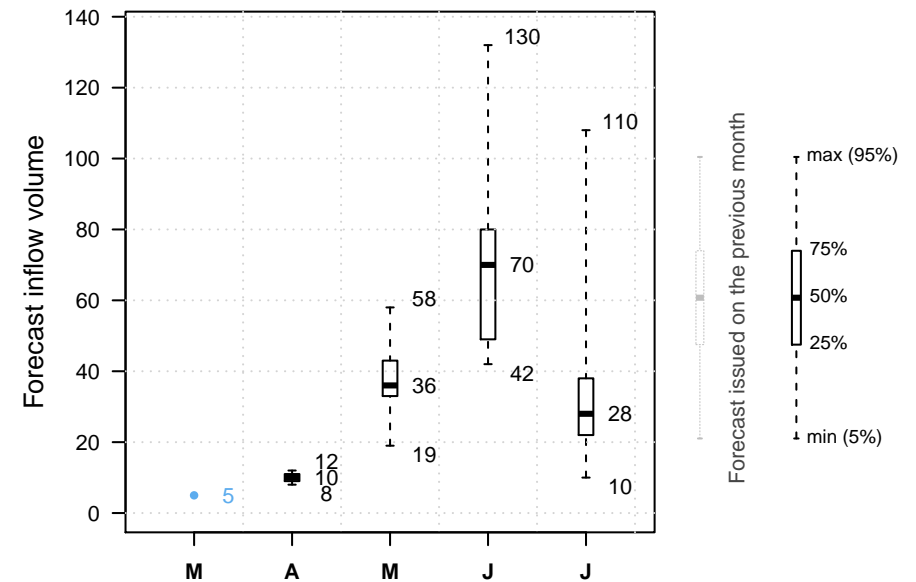
NEXT



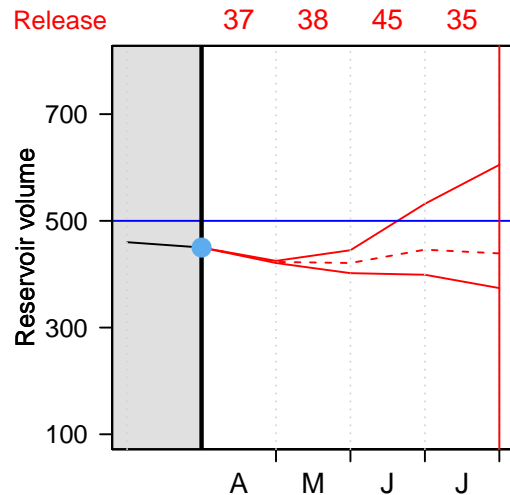
It is April 1st.

And our volunteer?

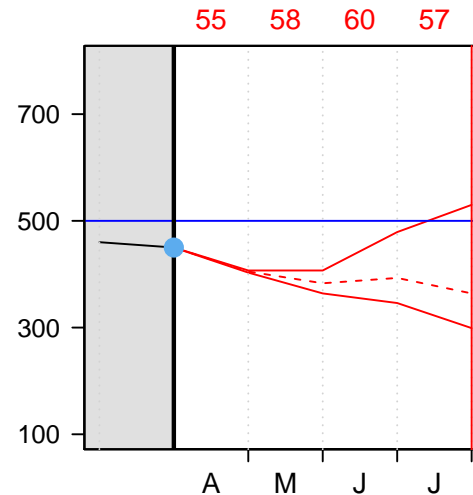
Let's see which release option our volunteer will choose.



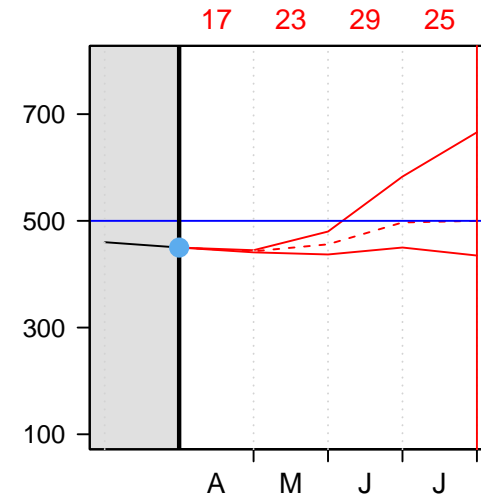
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume  $+ 18 \text{ Mm}^3 - \text{April release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



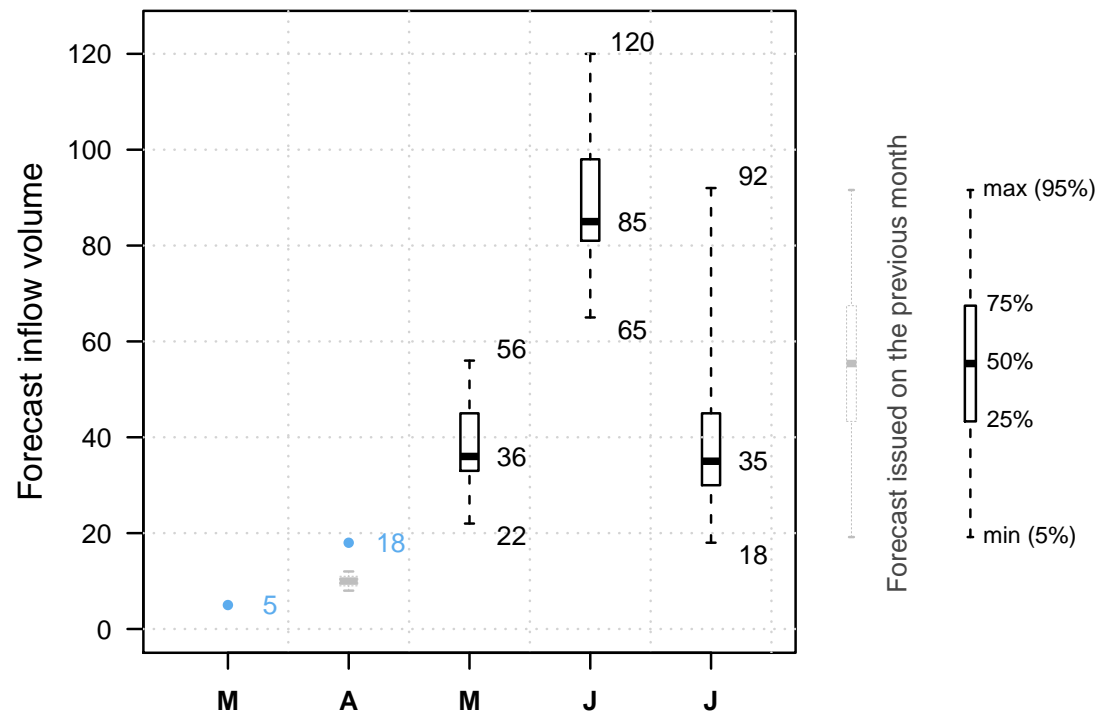


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

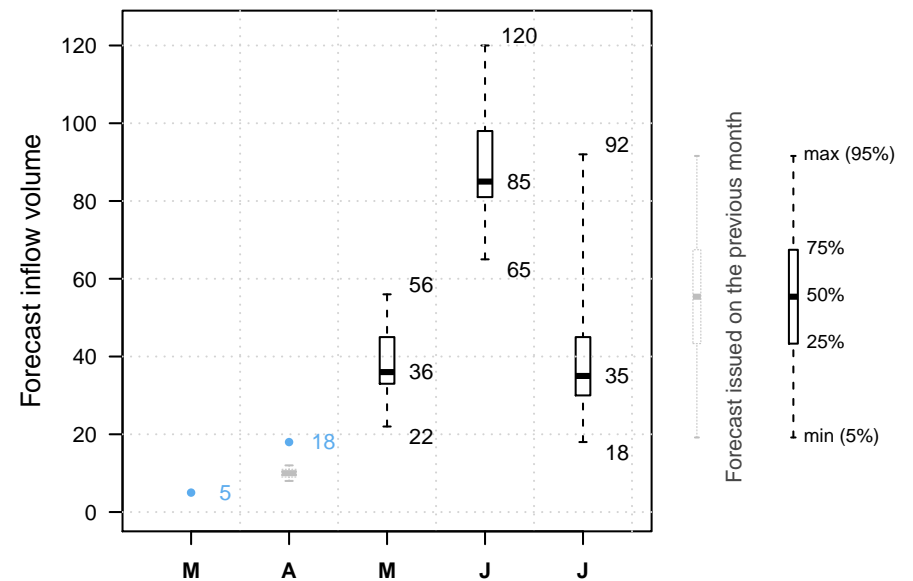
Previous decisions: B



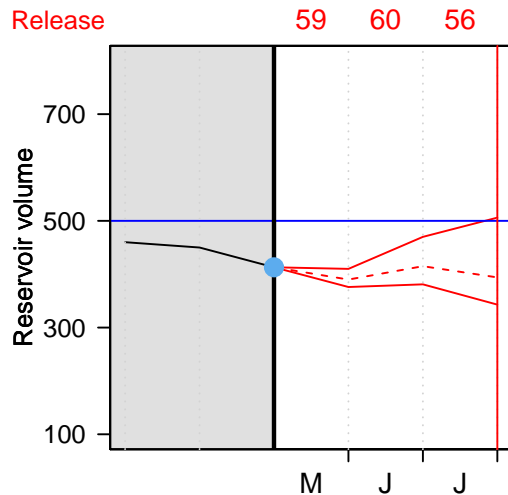
It is May 1st.

And our volunteer?

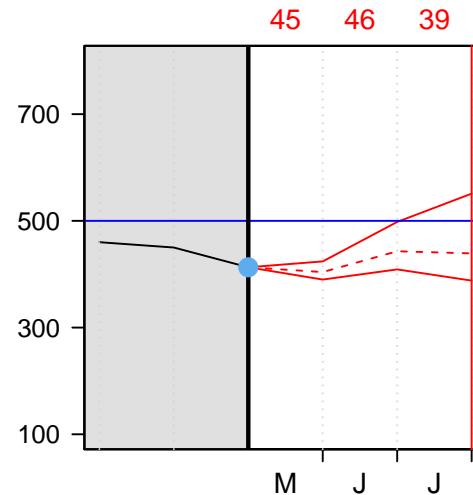
Let's see which release option our volunteer will choose.



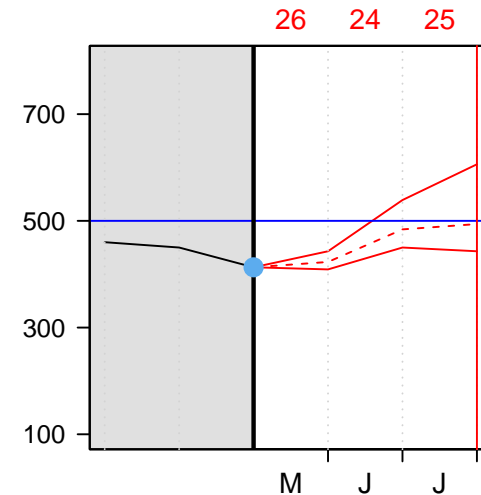
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

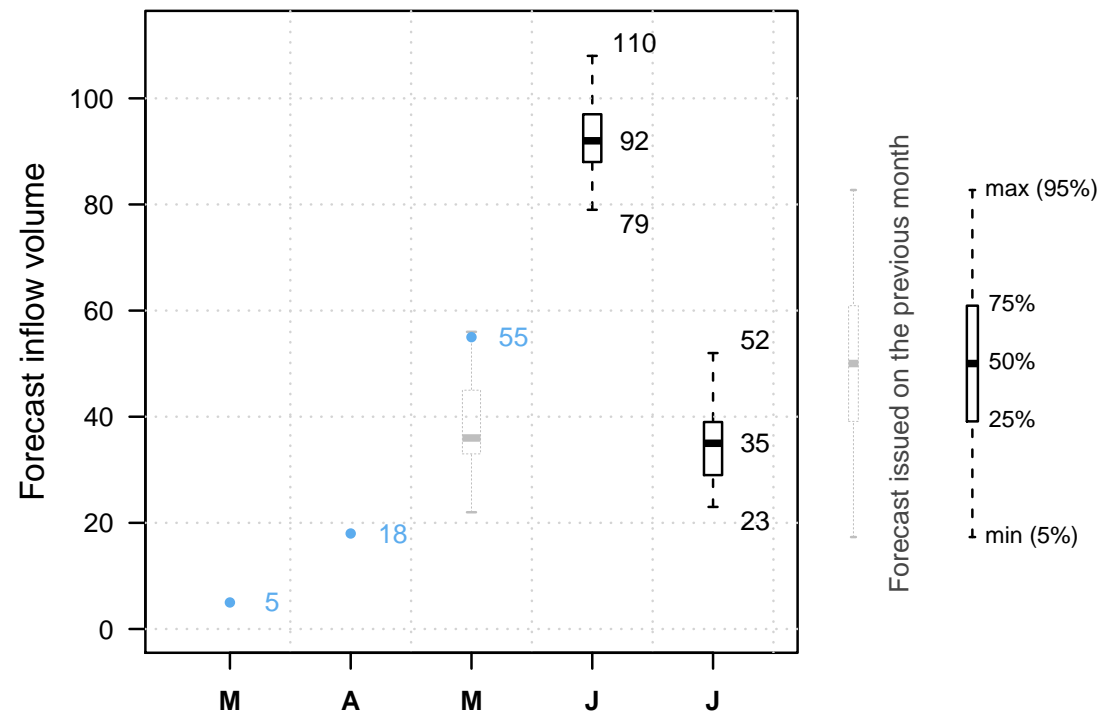


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

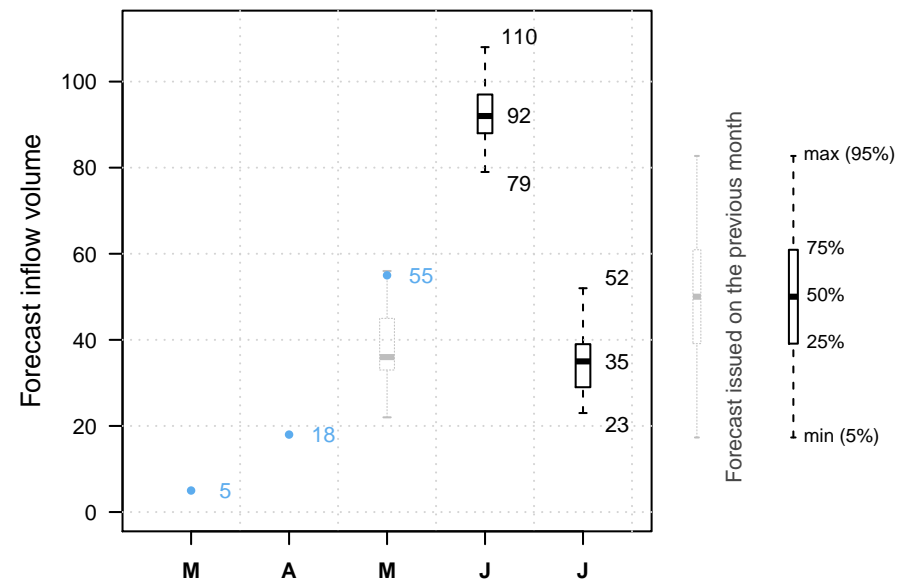
Previous decisions: B C



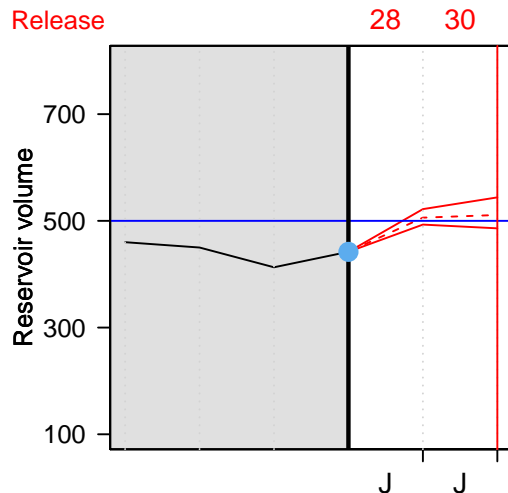
It is June 1st.

And our volunteer?

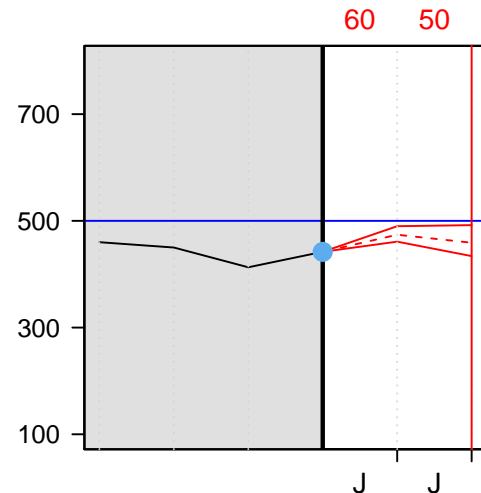
Let's see which release option our volunteer will choose.



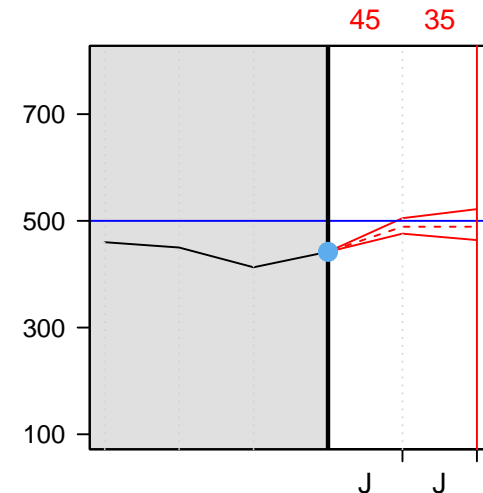
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



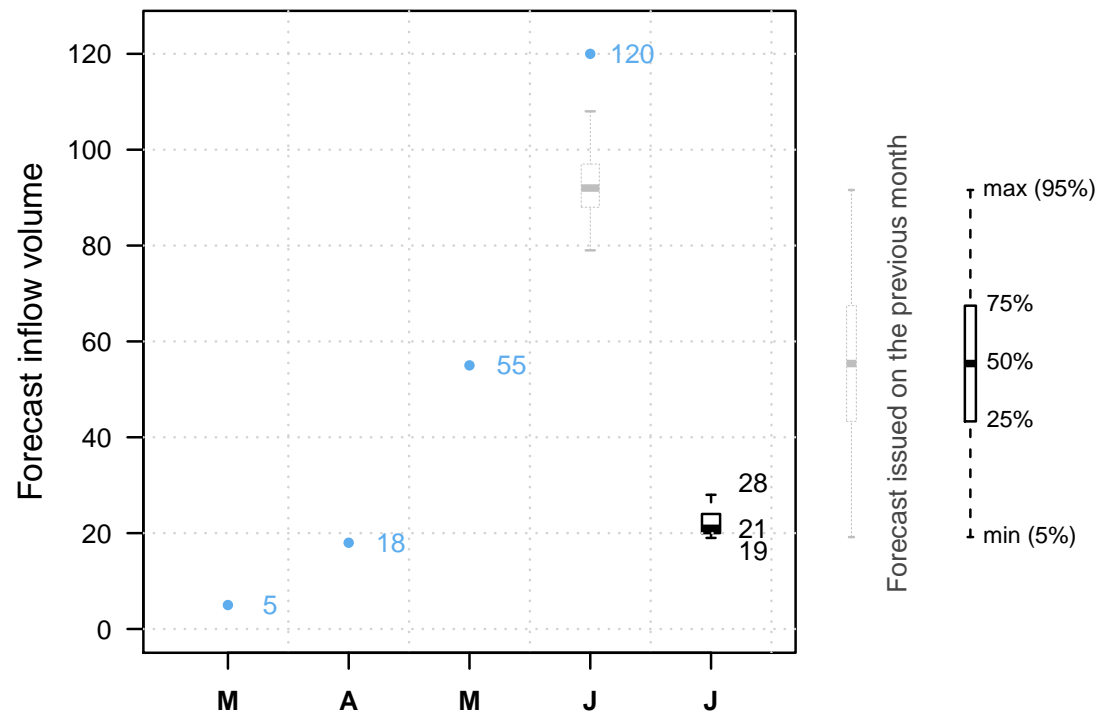


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

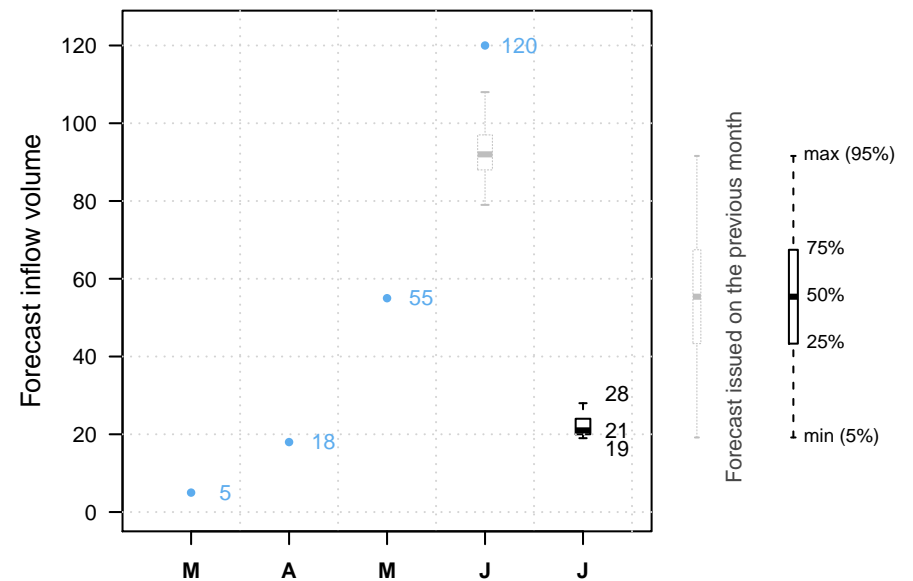
Previous decisions: B C B



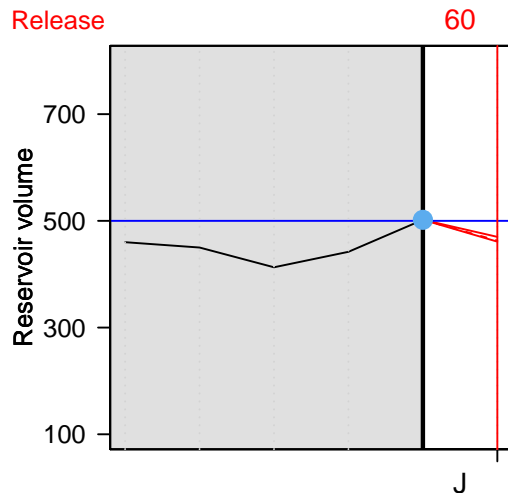
It is July 1st.

And our volunteer?

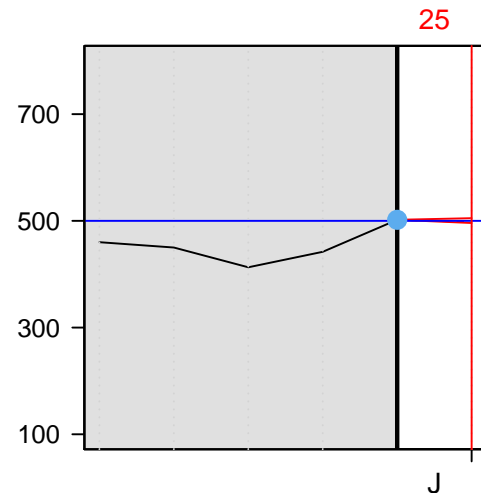
Let's see which release option our volunteer will choose.



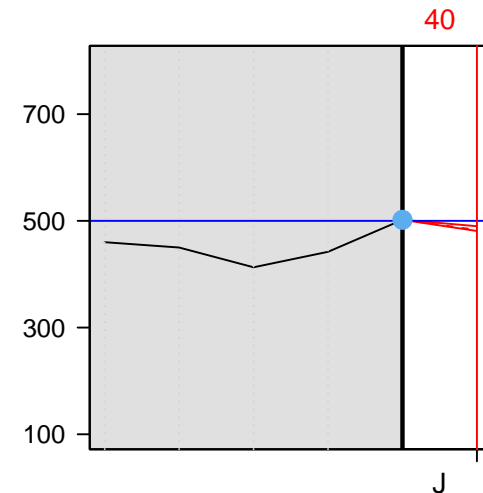
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 464 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

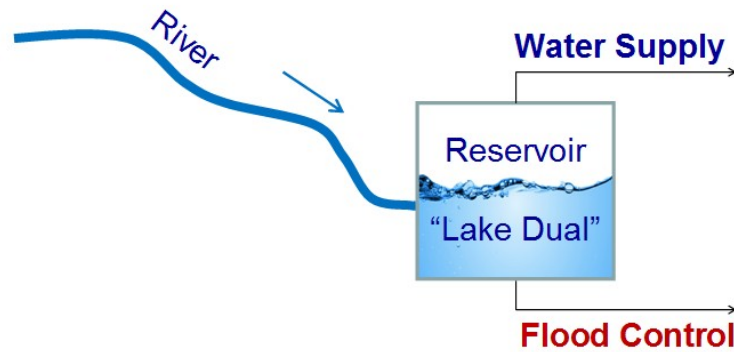
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



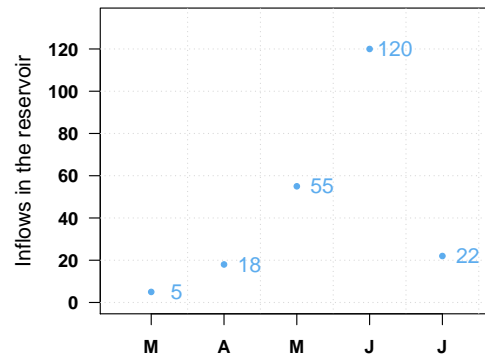
Swof Town



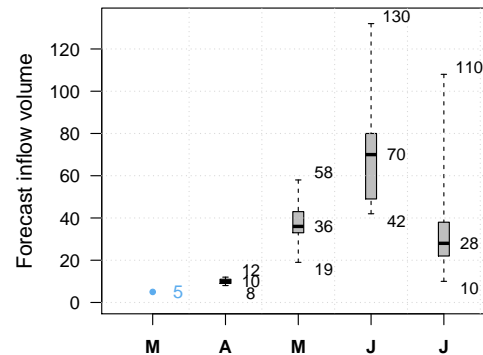
Safe Town



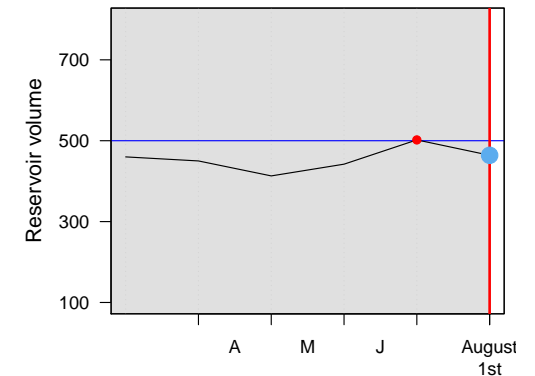
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

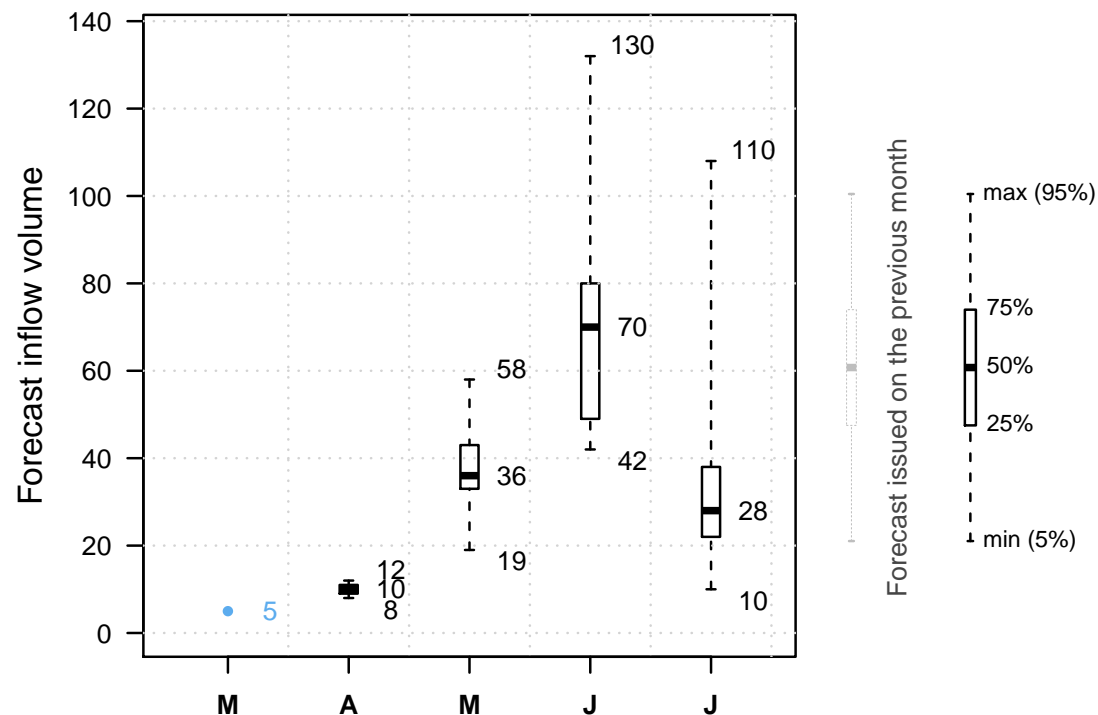


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

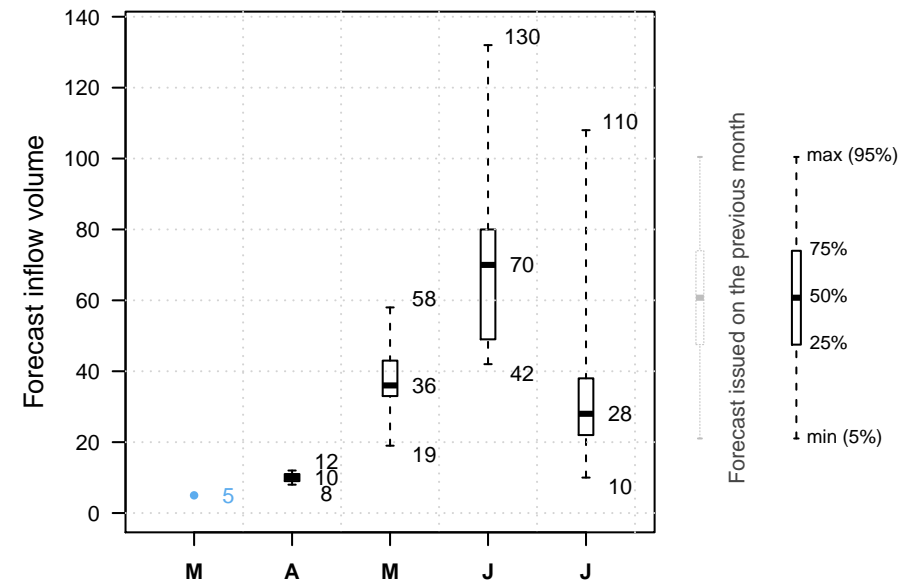
**NEXT**



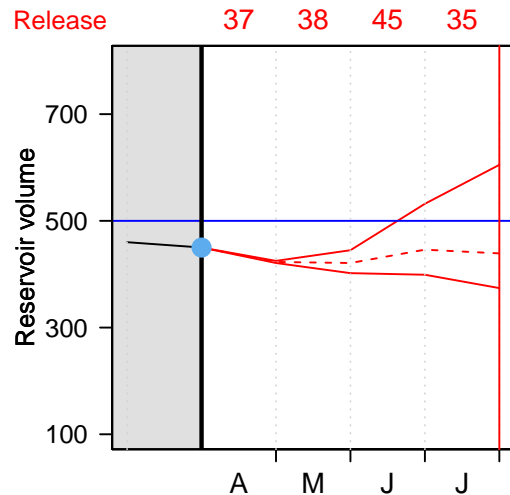
It is April 1st.

And our volunteer?

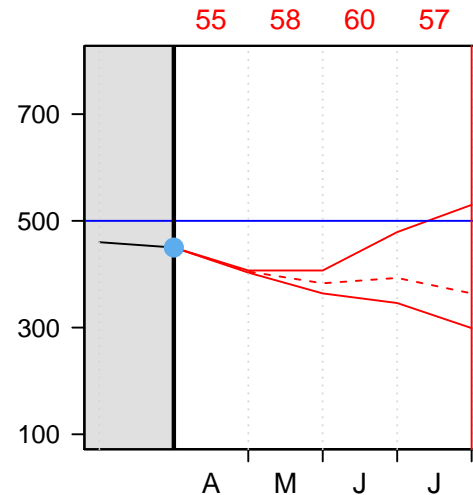
Let's see which release option our volunteer will choose.



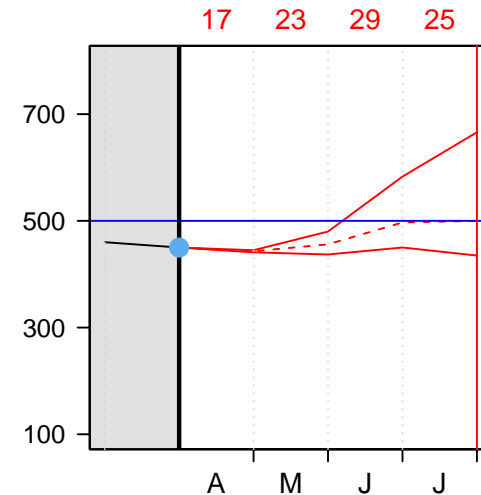
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

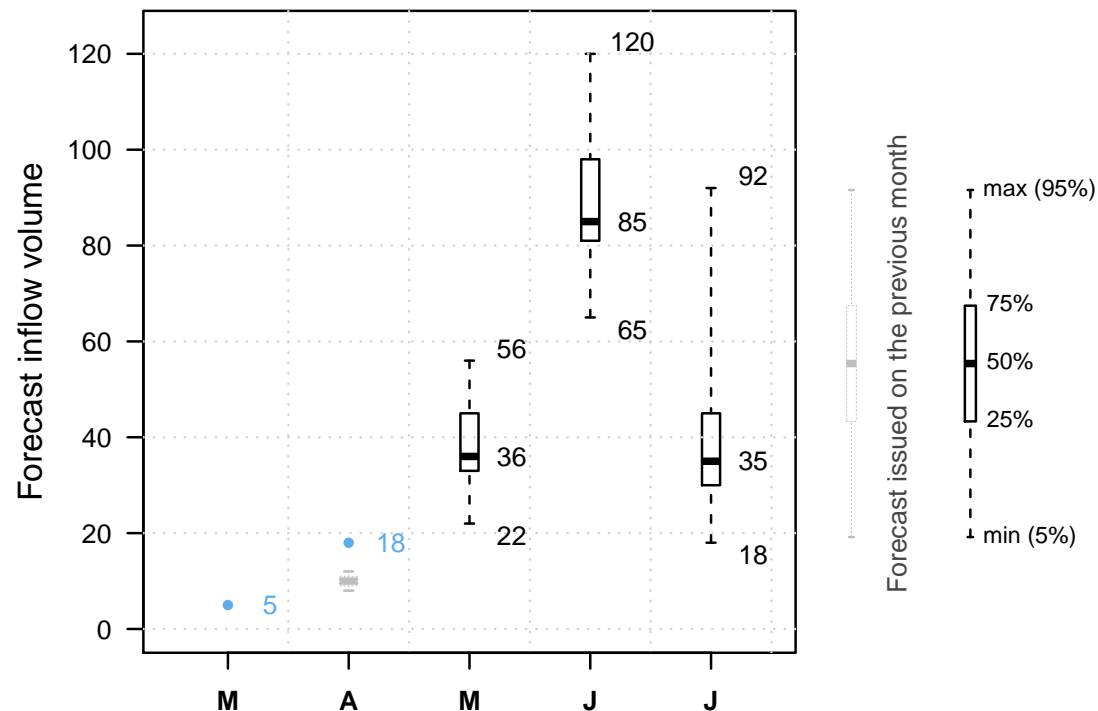


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

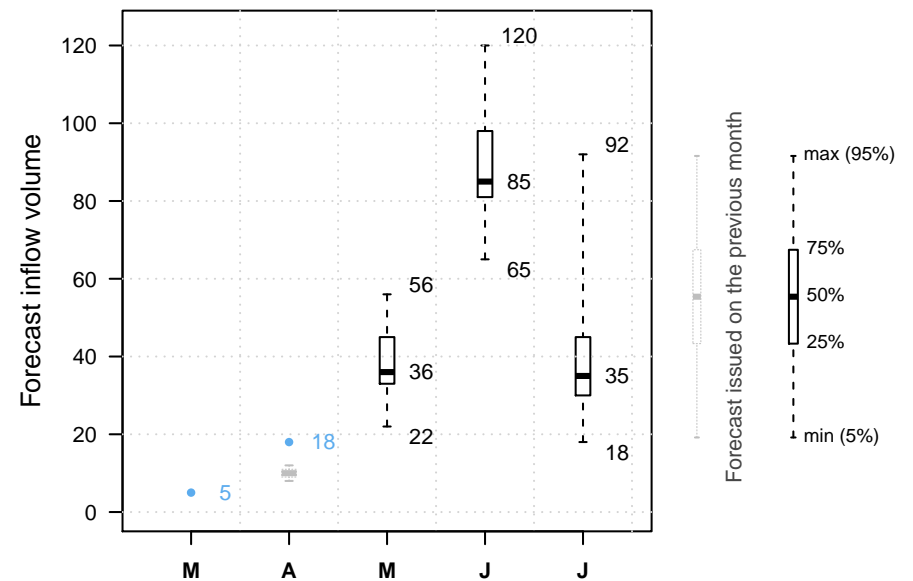
Previous decisions: C



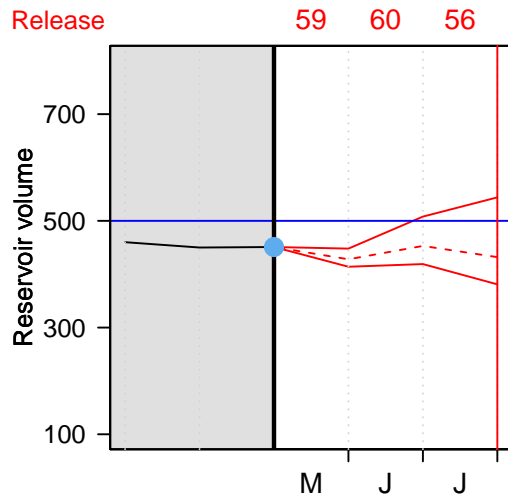
It is May 1st.

And our volunteer?

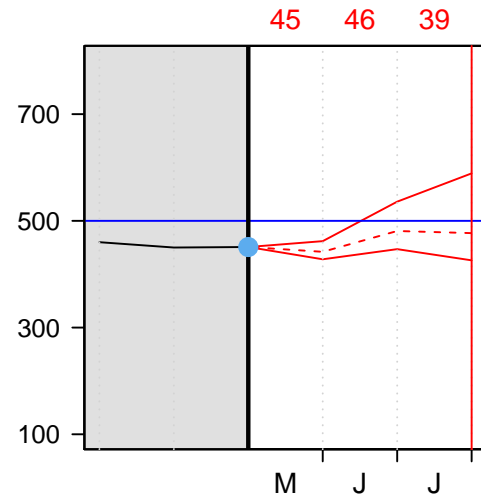
Let's see which release option our volunteer will choose.



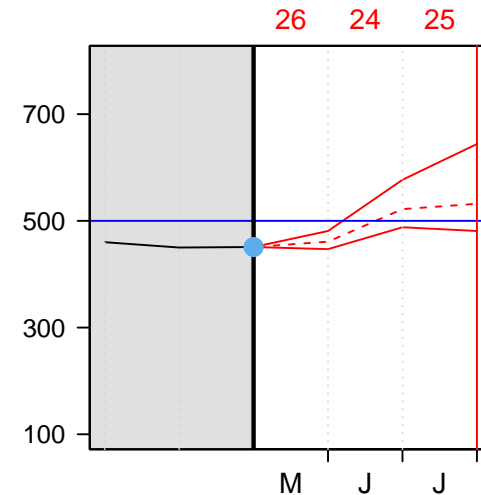
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

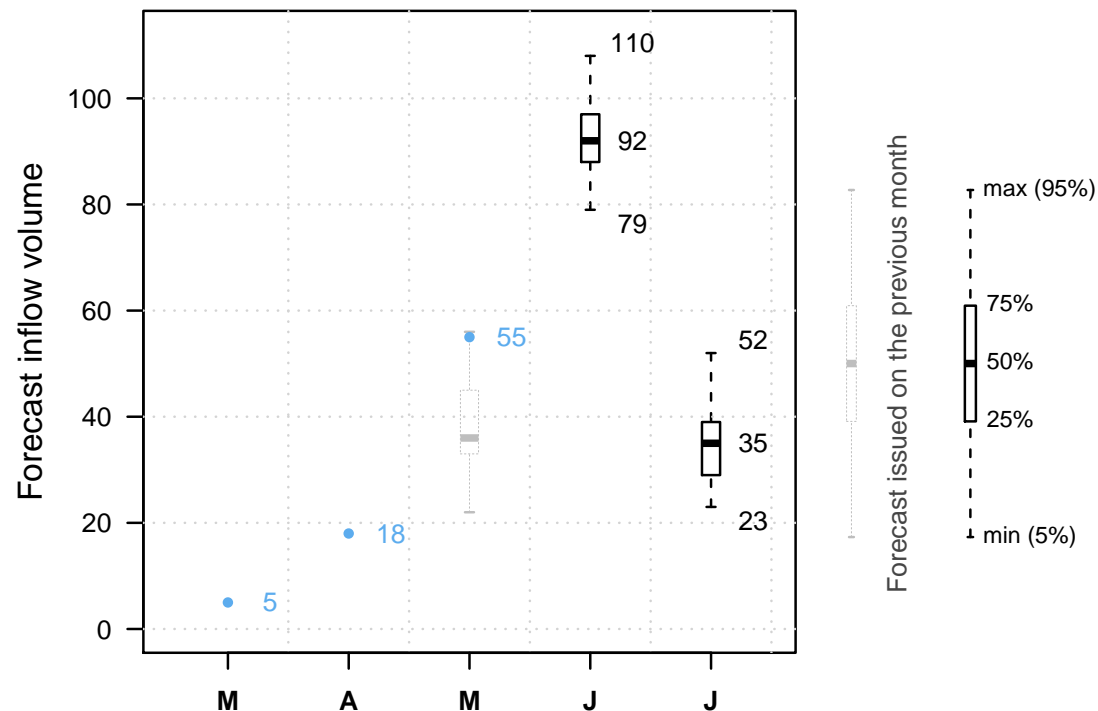


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

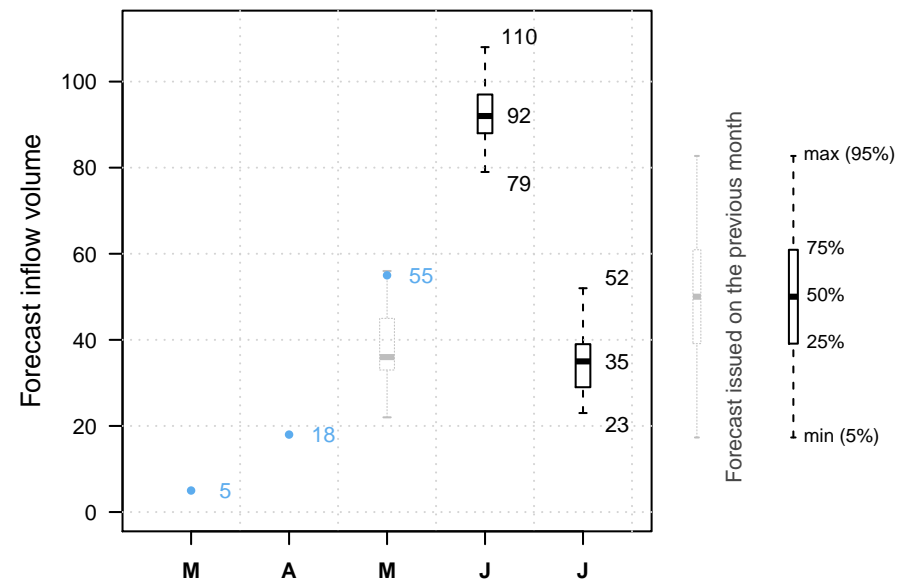
Previous decisions: C C



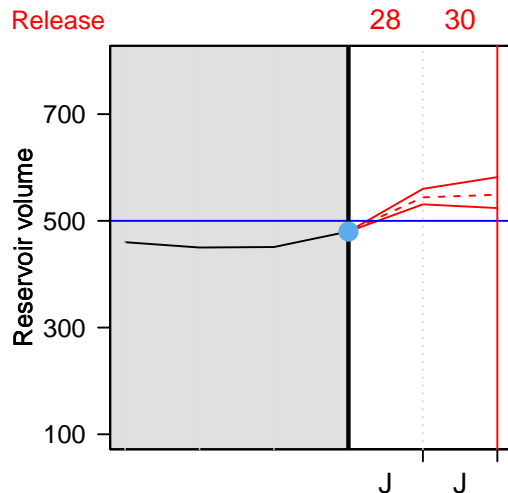
It is June 1st.

And our volunteer?

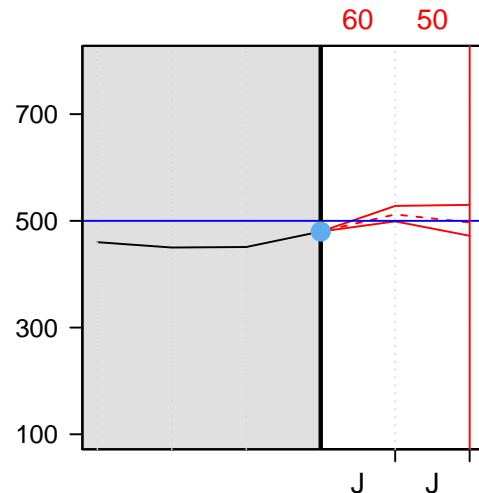
Let's see which release option our volunteer will choose.



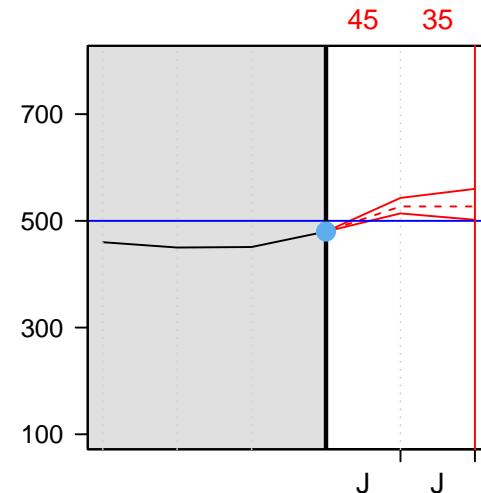
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 540 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

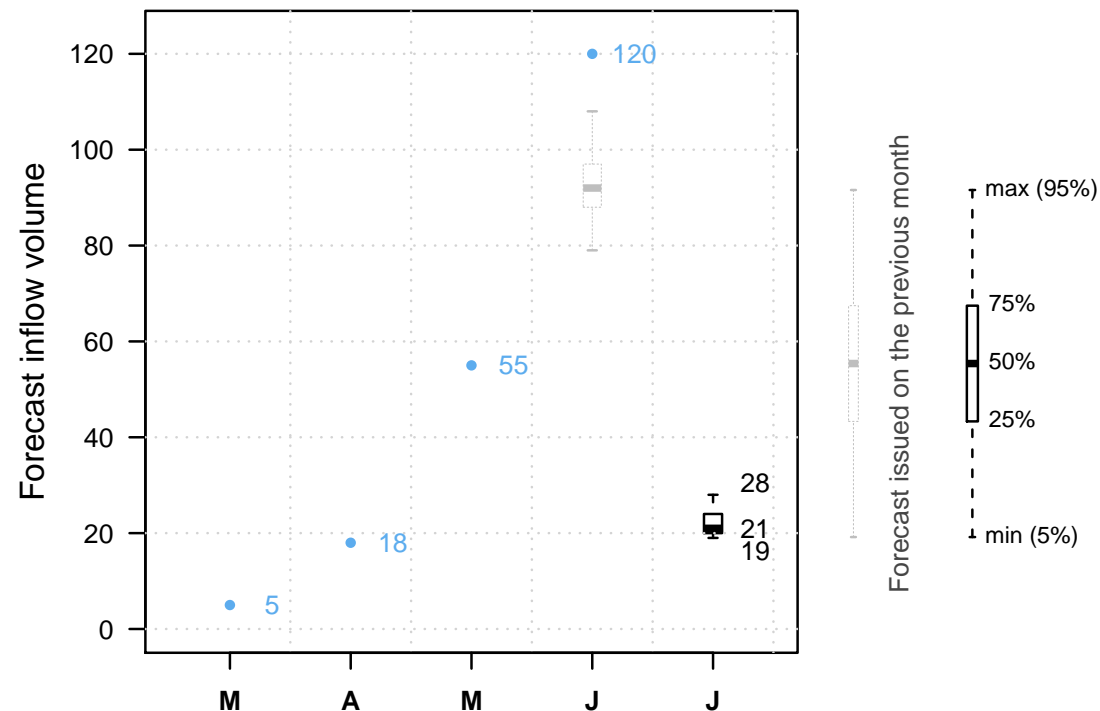


It is July 1st.

The reservoir is at  $540 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

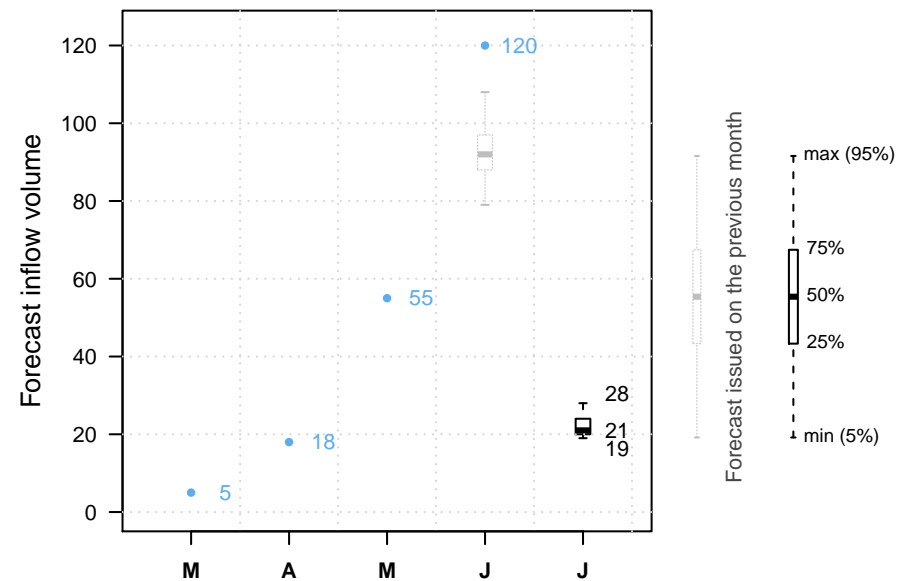
Previous decisions: C C B



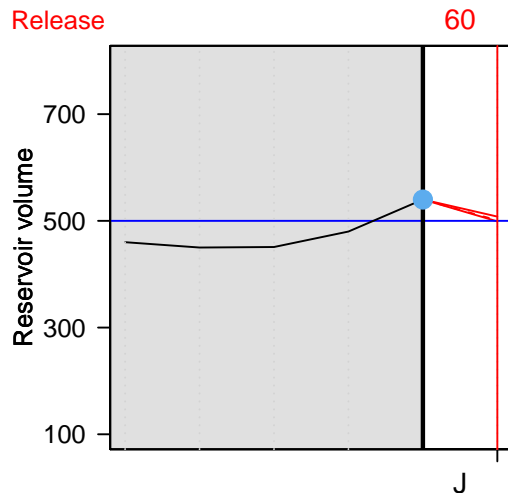
It is July 1st.

And our volunteer?

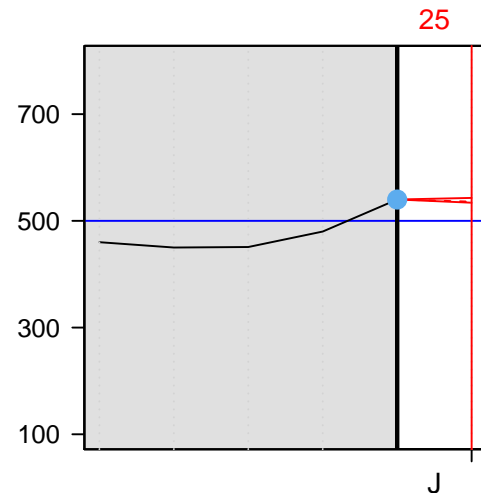
Let's see which release option our volunteer will choose.



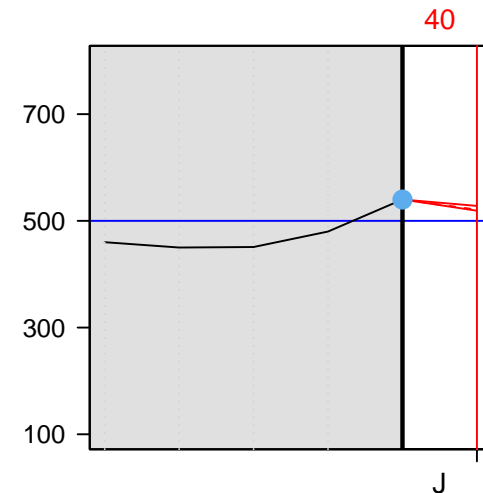
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$540 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

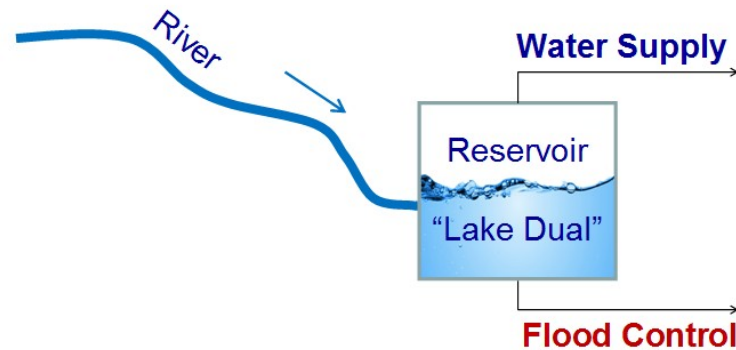
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



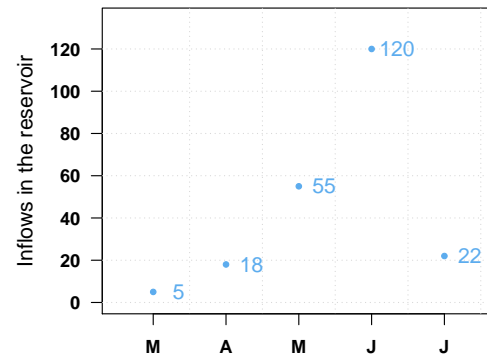
Swof Town



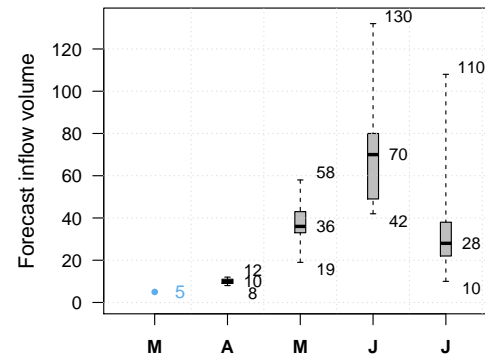
Safe Town



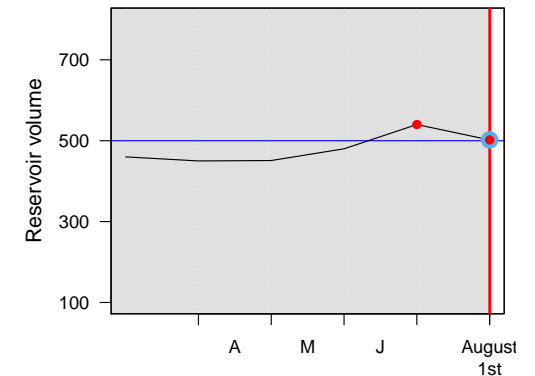
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

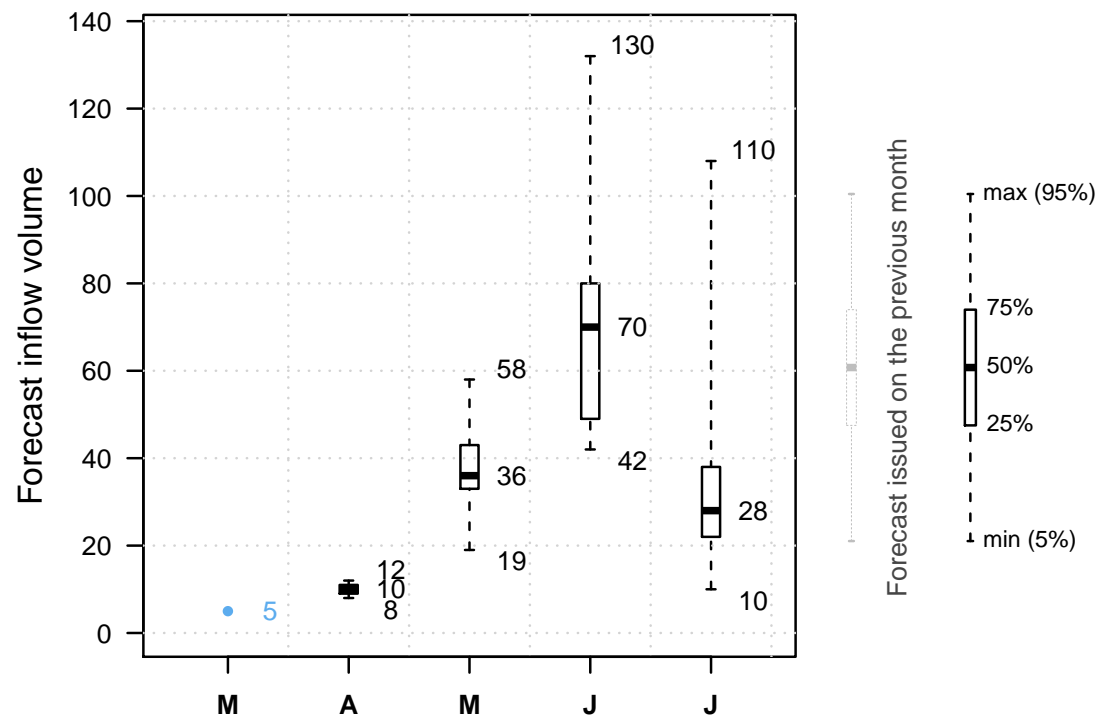


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

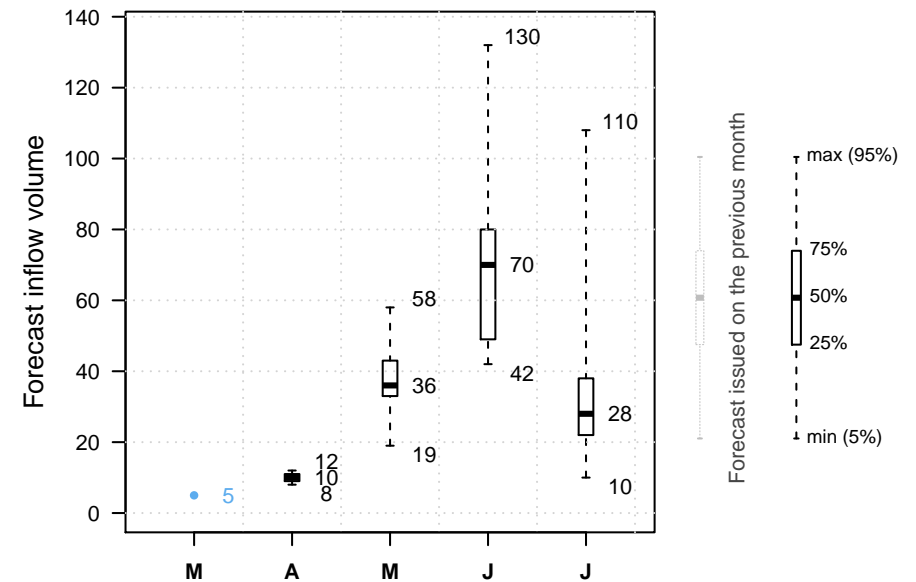
**NEXT**



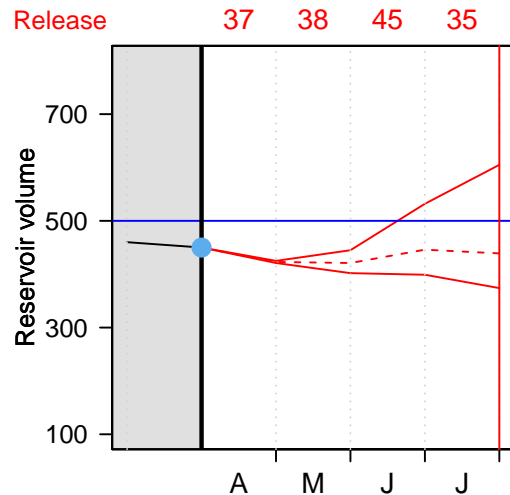
It is April 1st.

And our volunteer?

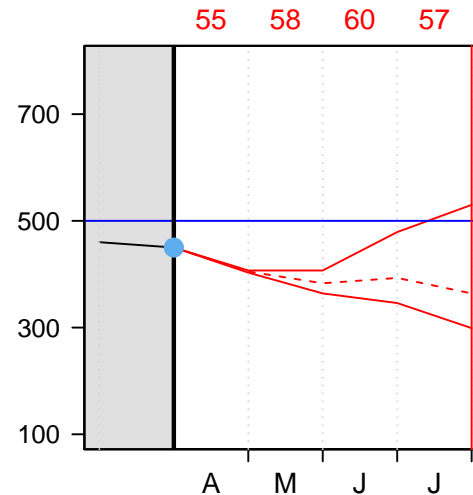
Let's see which release option our volunteer will choose.



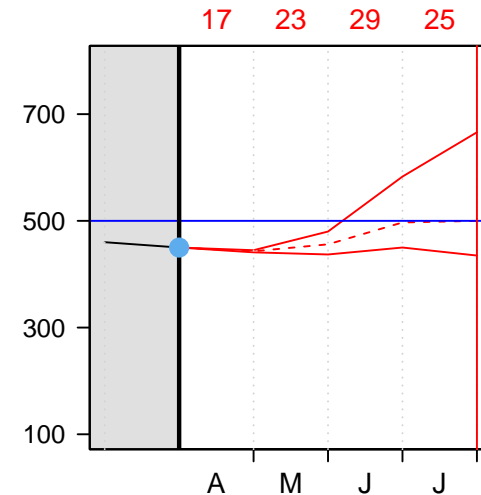
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

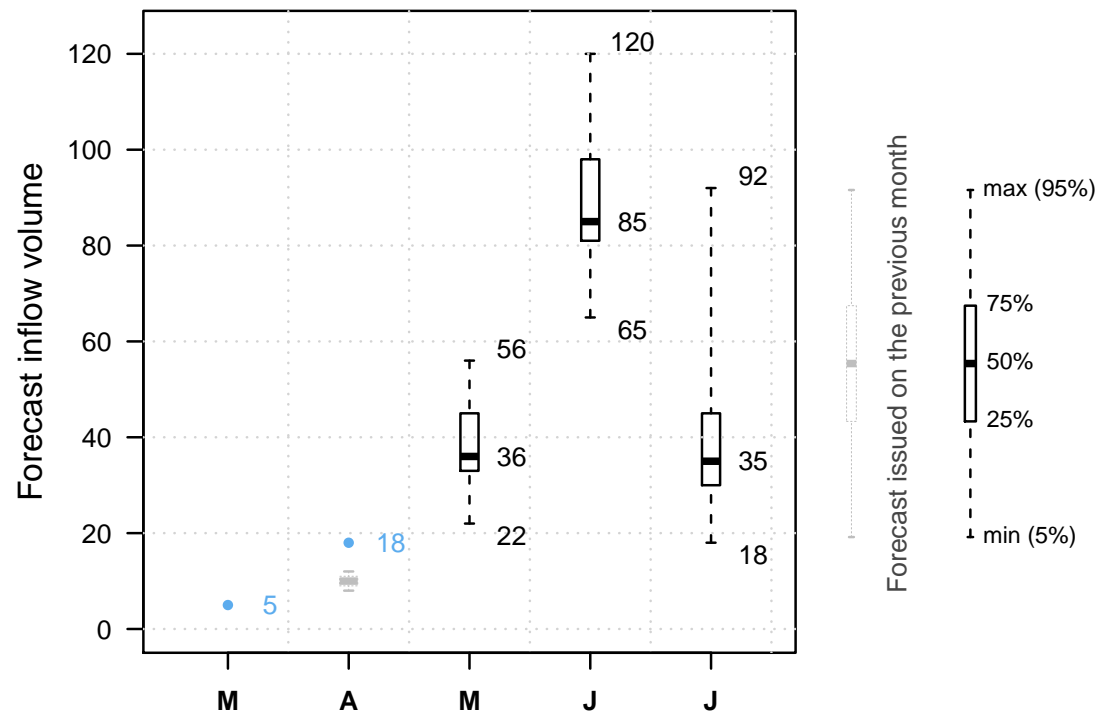


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

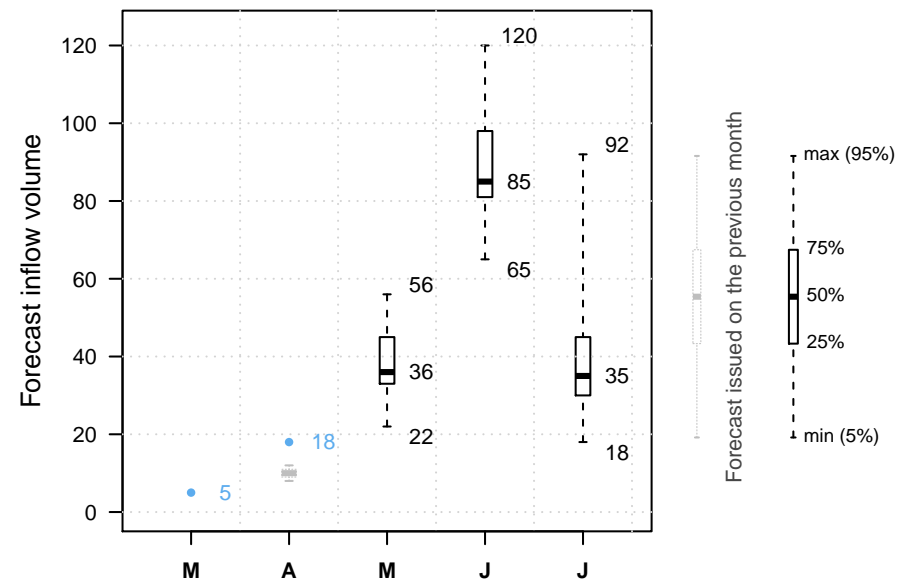
Previous decisions: A



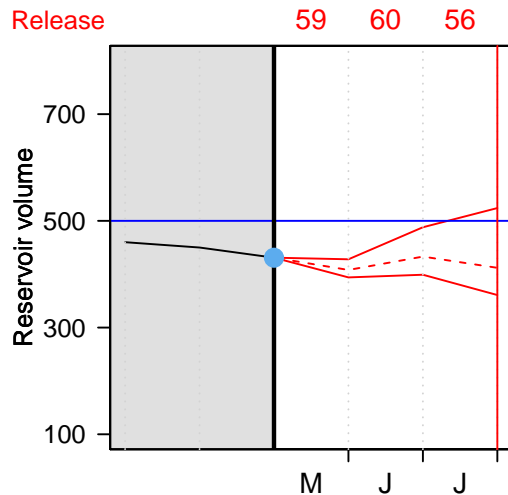
It is May 1st.

And our volunteer?

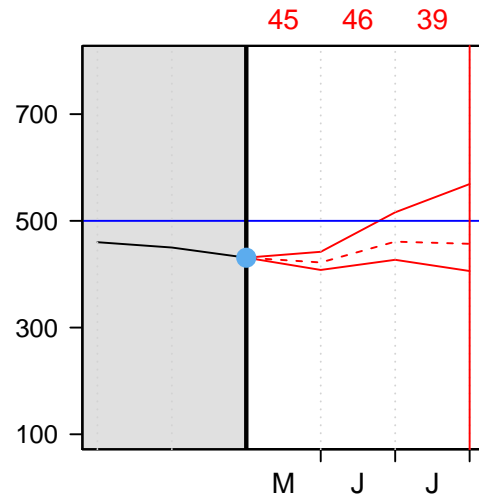
Let's see which release option our volunteer will choose.



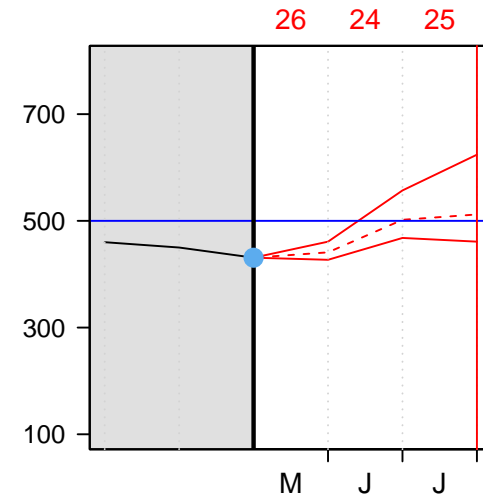
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

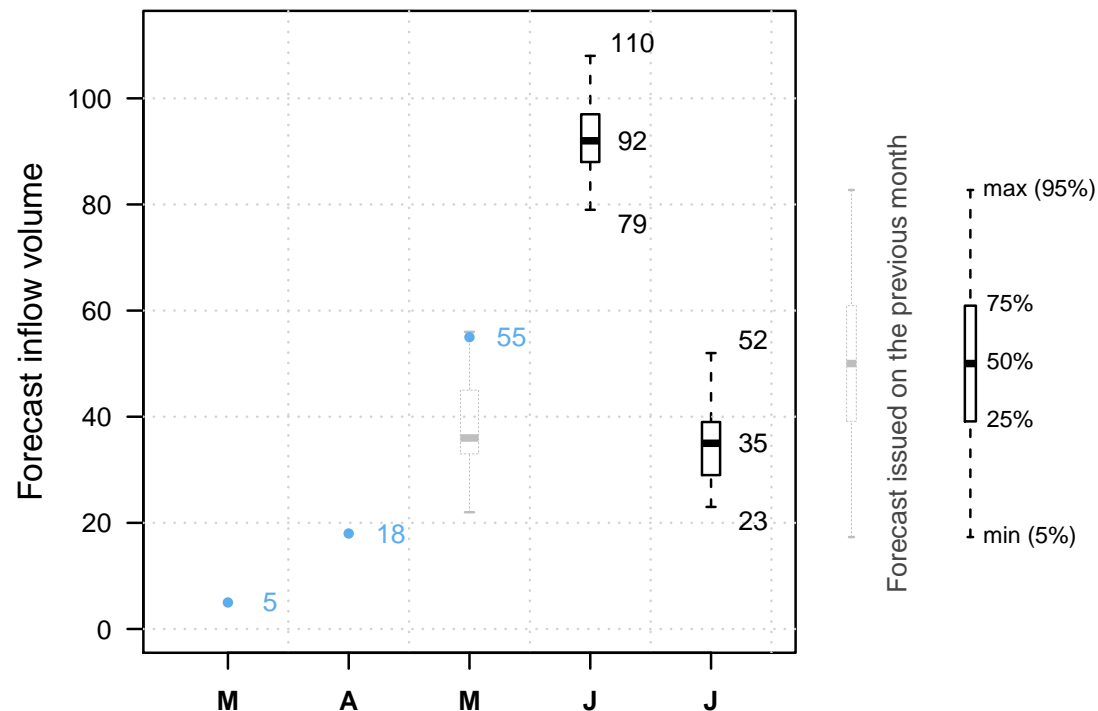


It is June 1st.

The reservoir is at 427  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

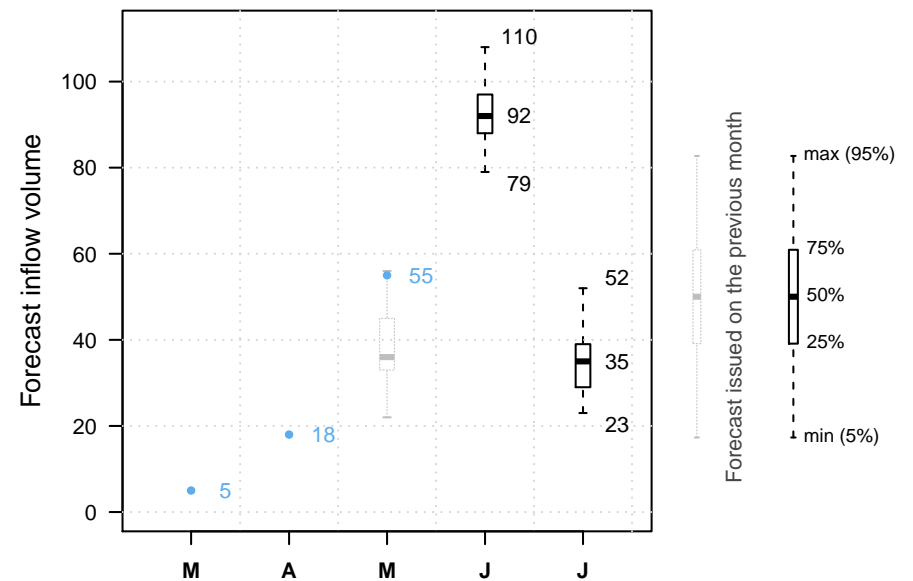
Previous decisions: A A



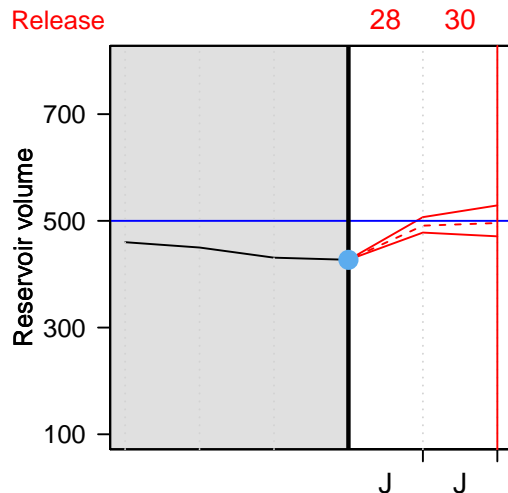
It is June 1st.

And our volunteer?

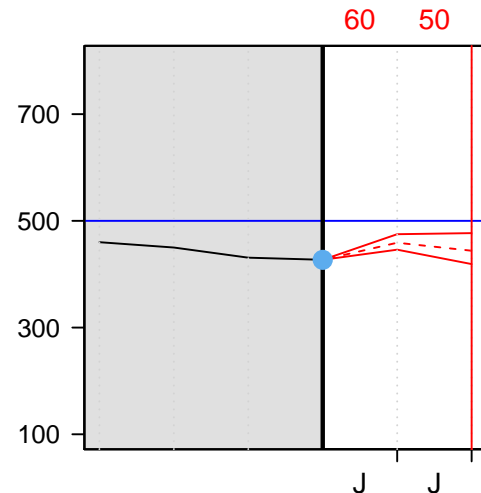
Let's see which release option our volunteer will choose.



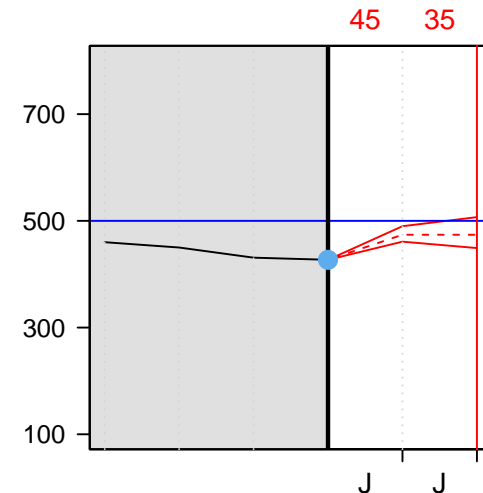
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

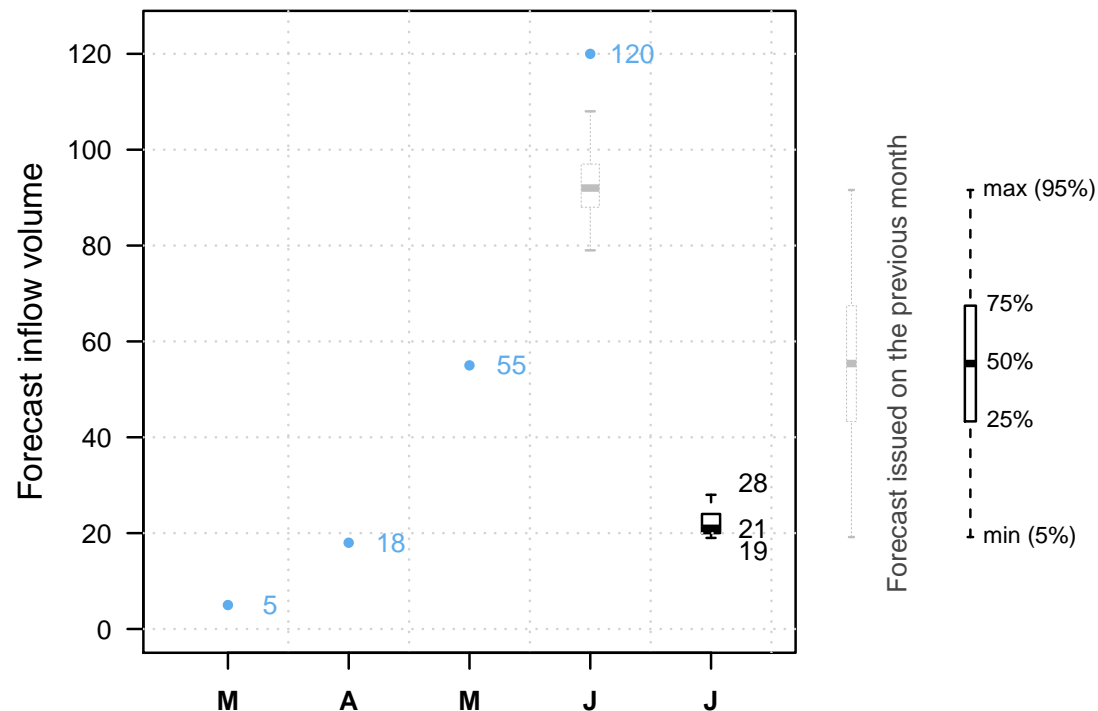


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

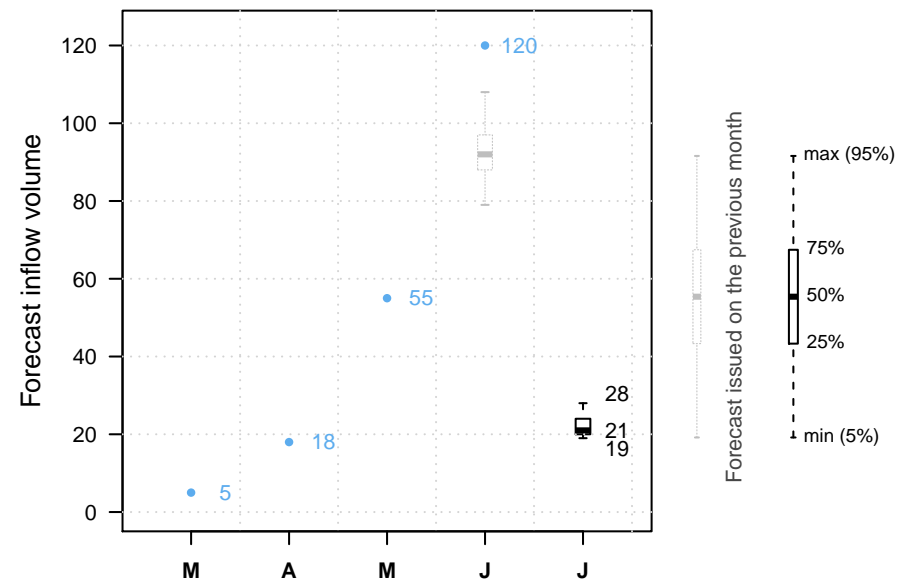
Previous decisions: A A C



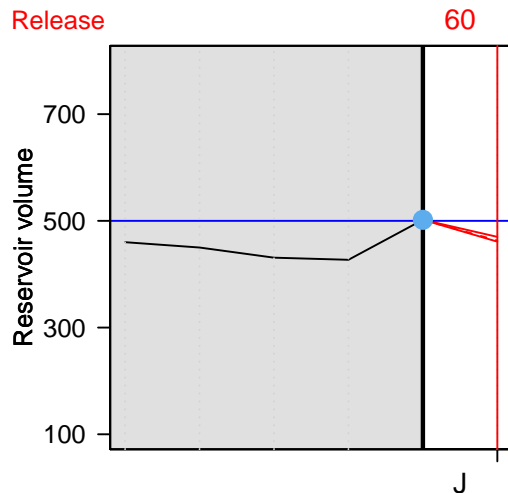
It is July 1st.

And our volunteer?

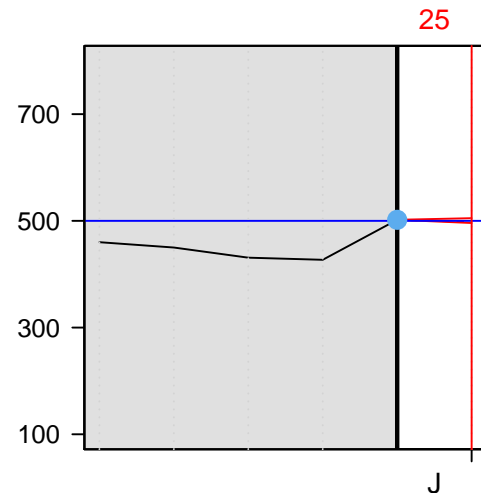
Let's see which release option our volunteer will choose.



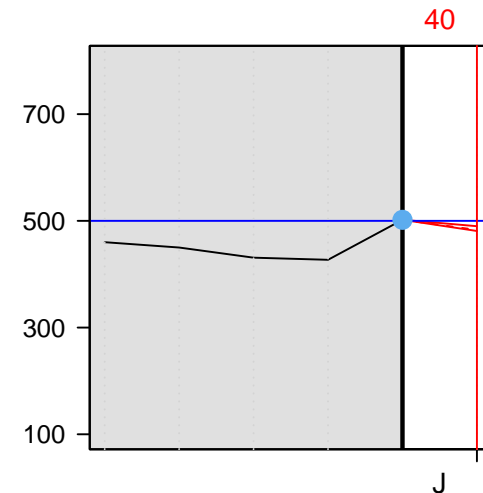
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 464 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

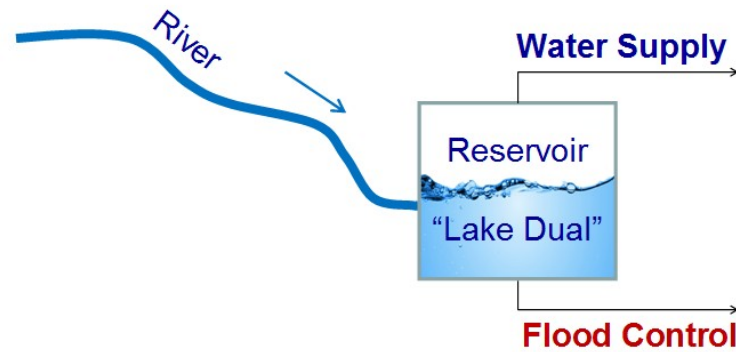
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



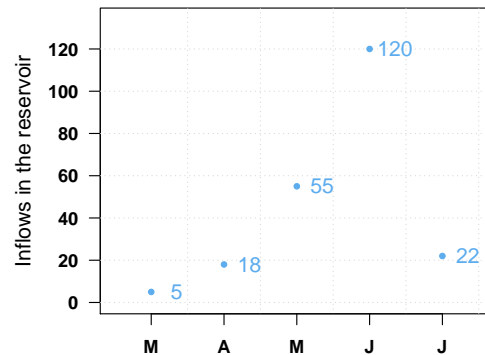
Swof Town



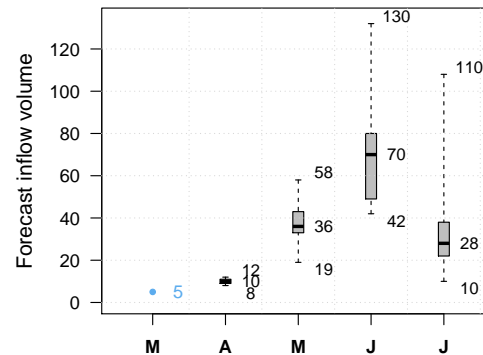
Safe Town



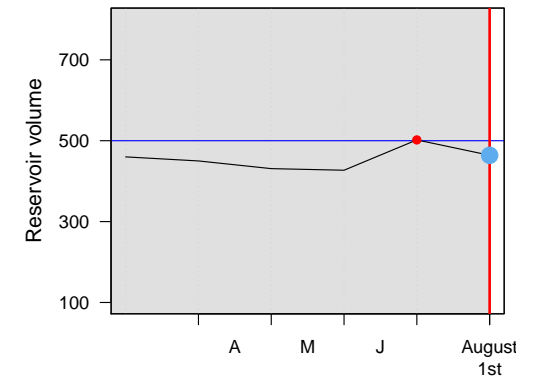
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

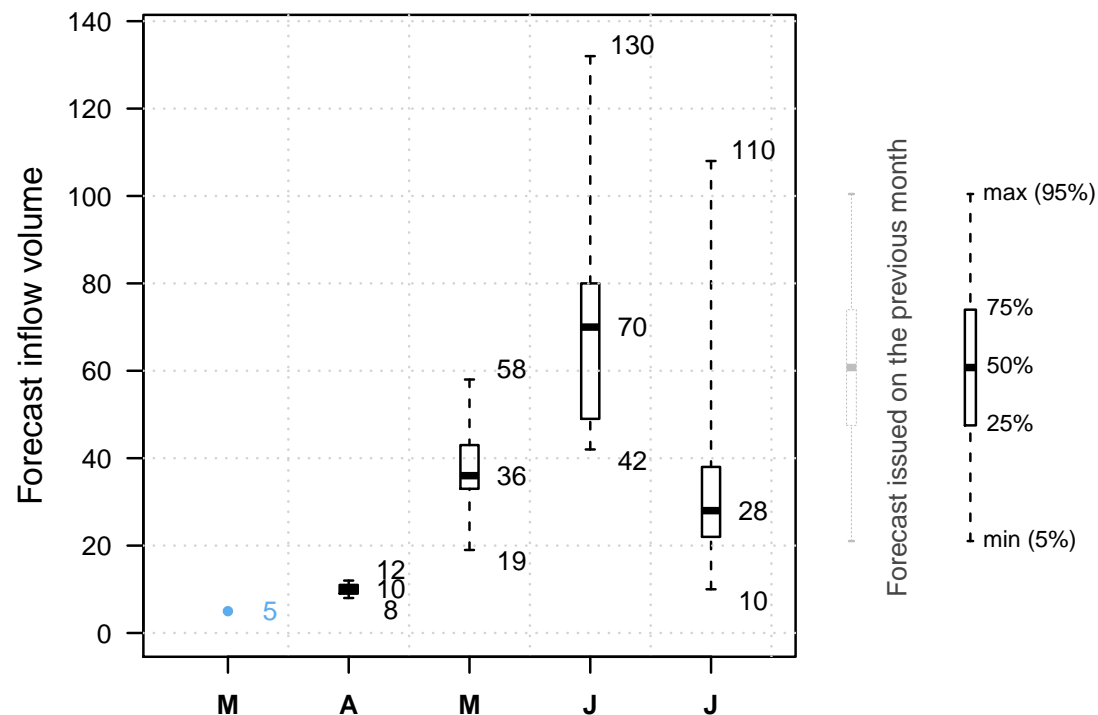


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

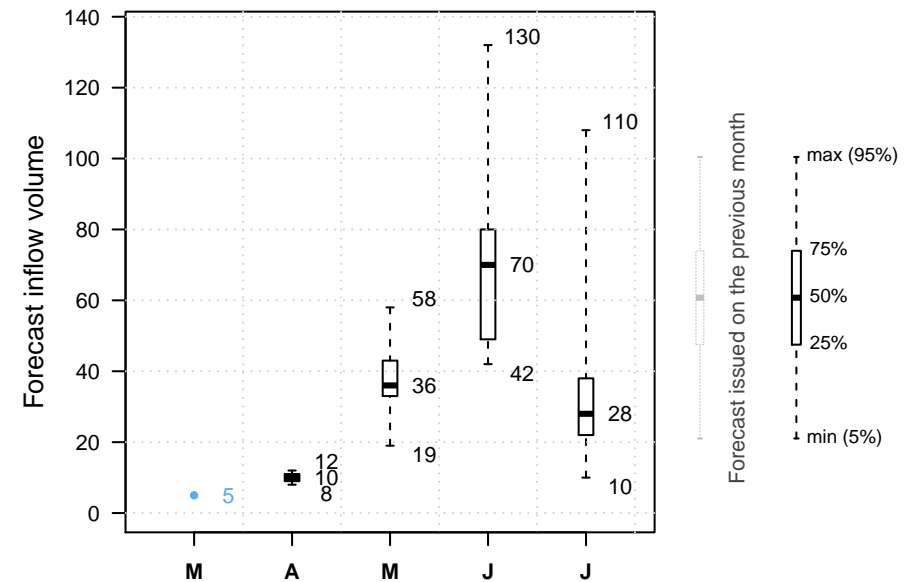




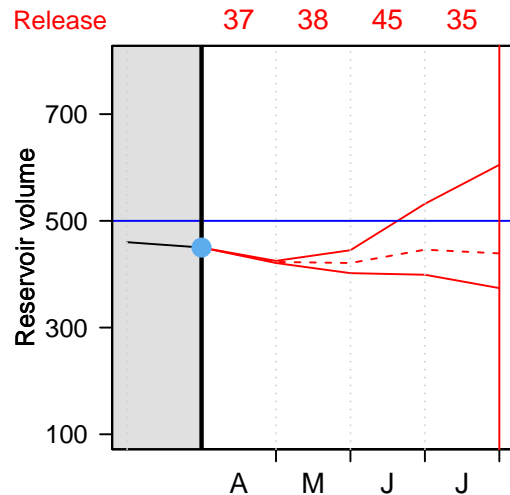
It is April 1st.

And our volunteer?

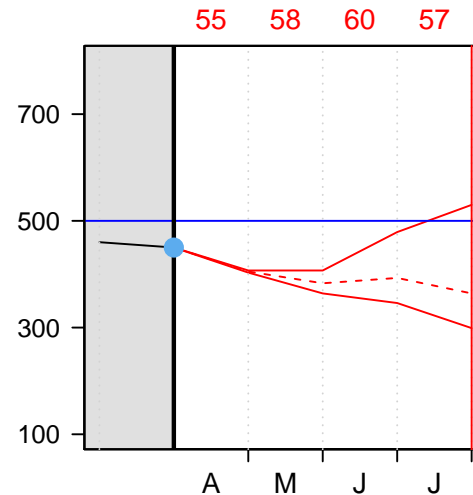
Let's see which release option our volunteer will choose.



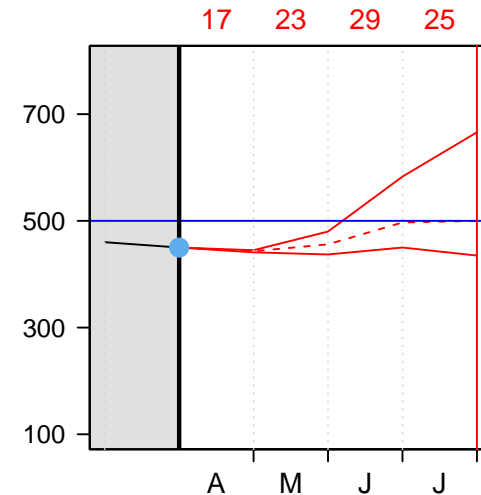
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

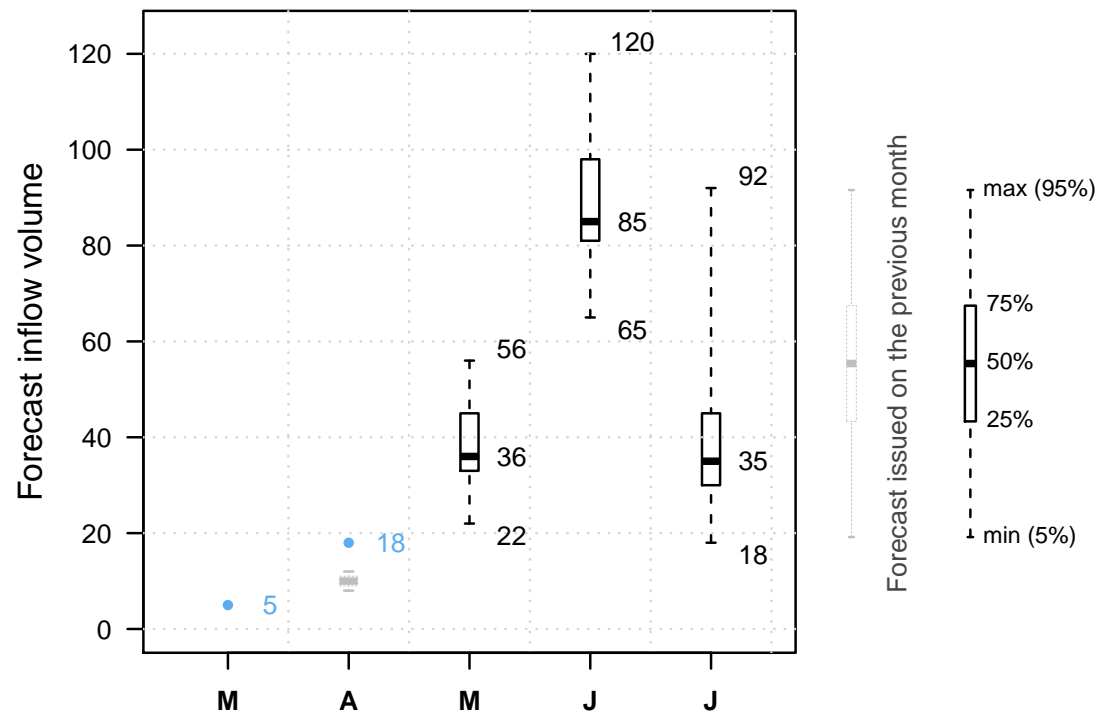


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

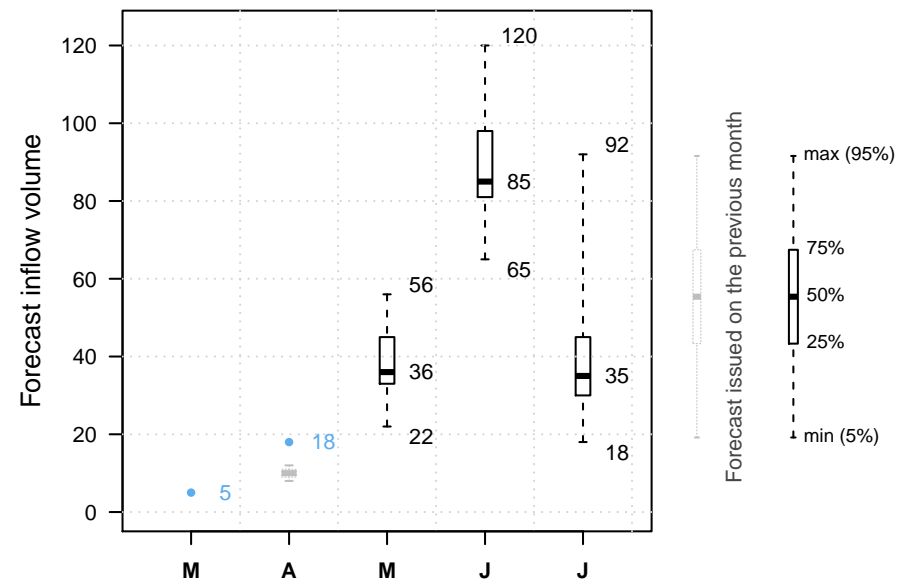
Previous decisions: B



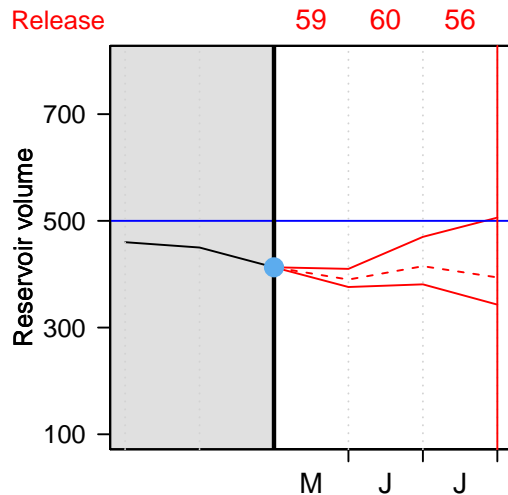
It is May 1st.

And our volunteer?

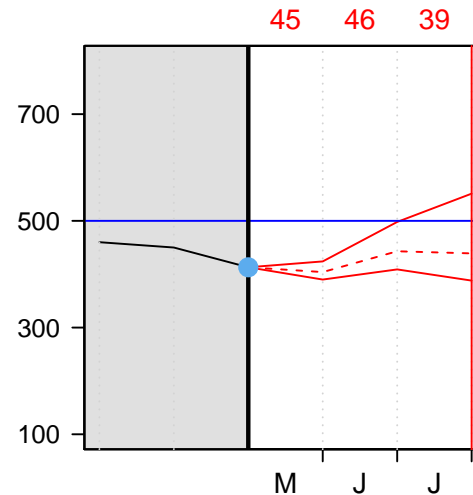
Let's see which release option our volunteer will choose.



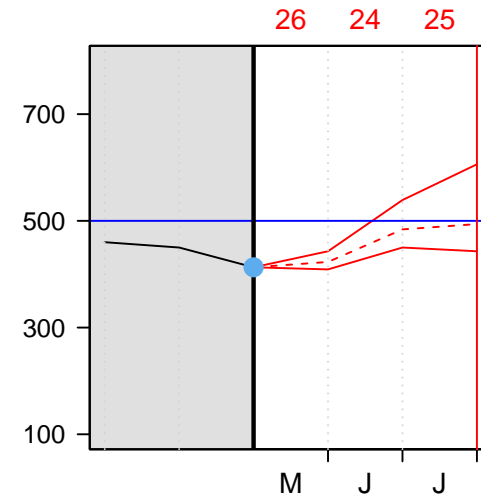
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

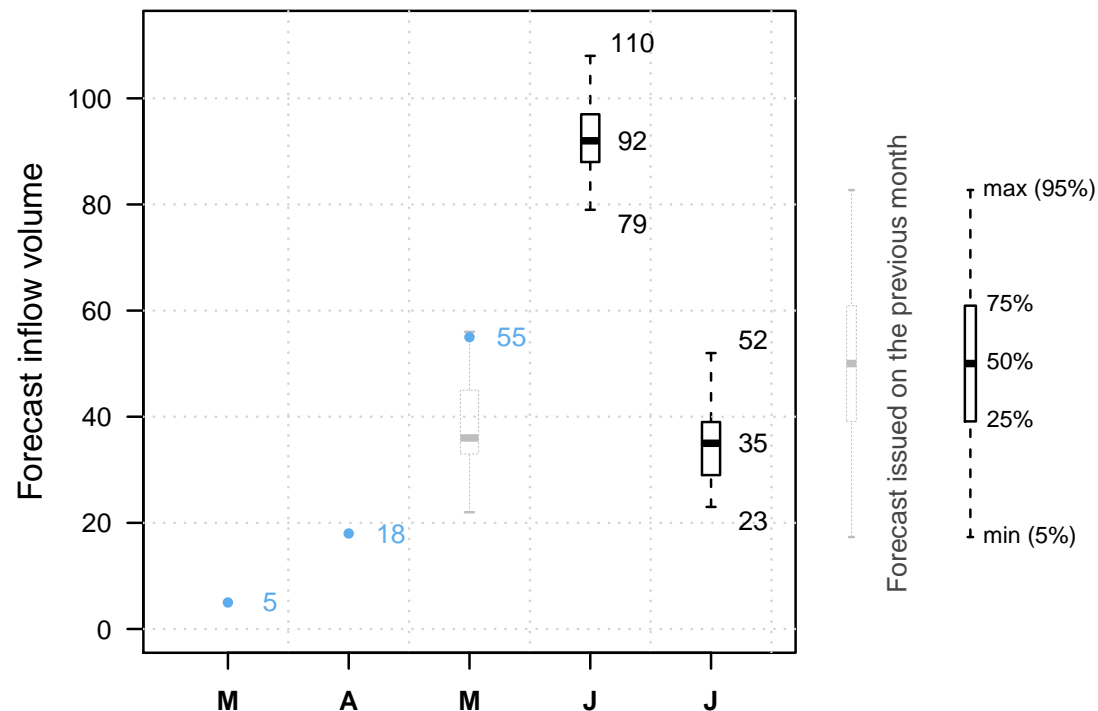


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



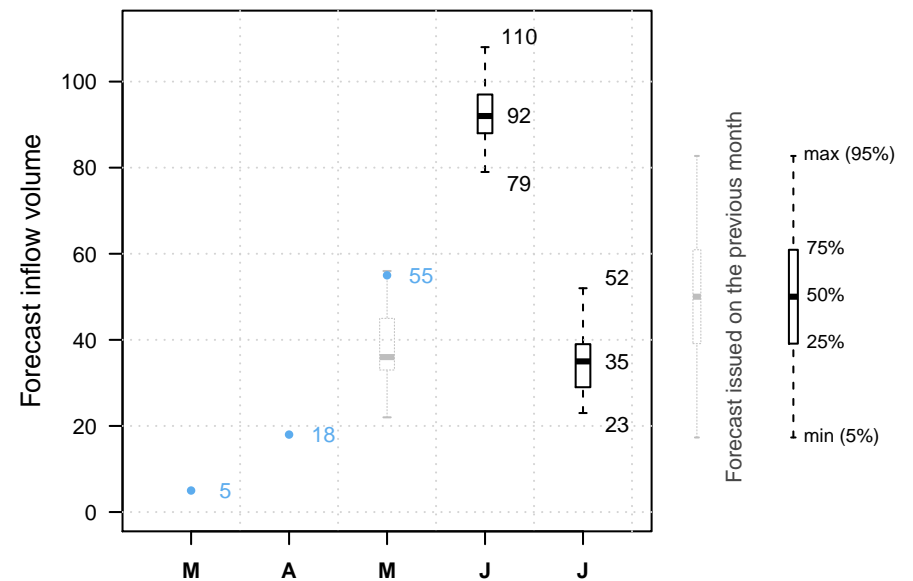
Previous decisions: B A



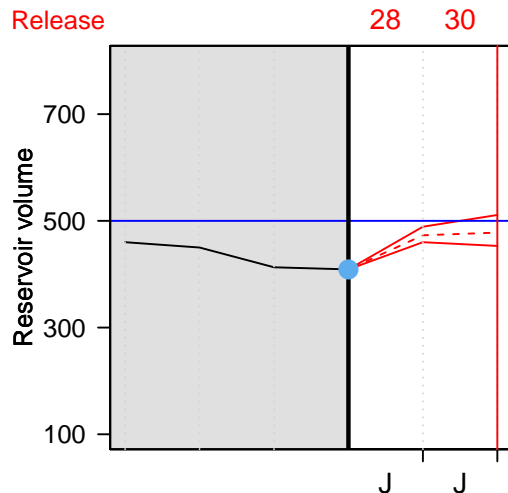
It is June 1st.

And our volunteer?

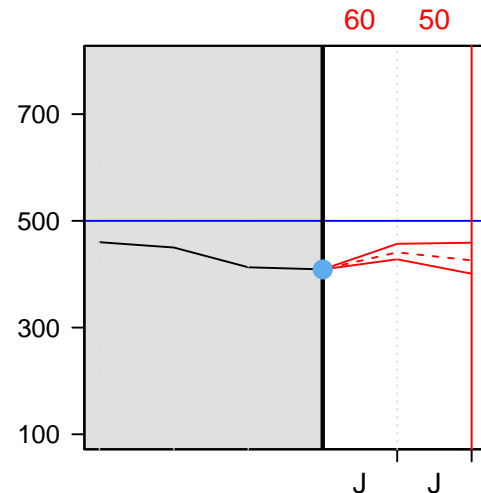
Let's see which release option our volunteer will choose.



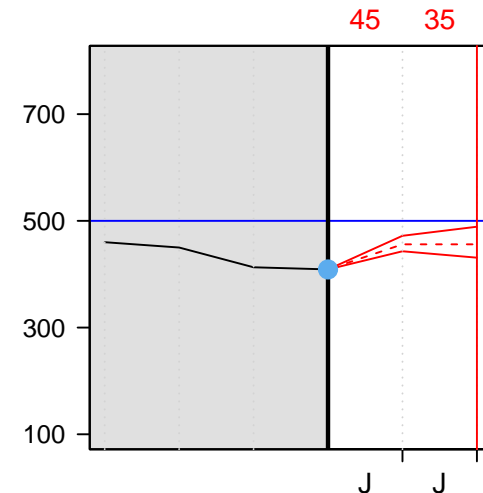
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

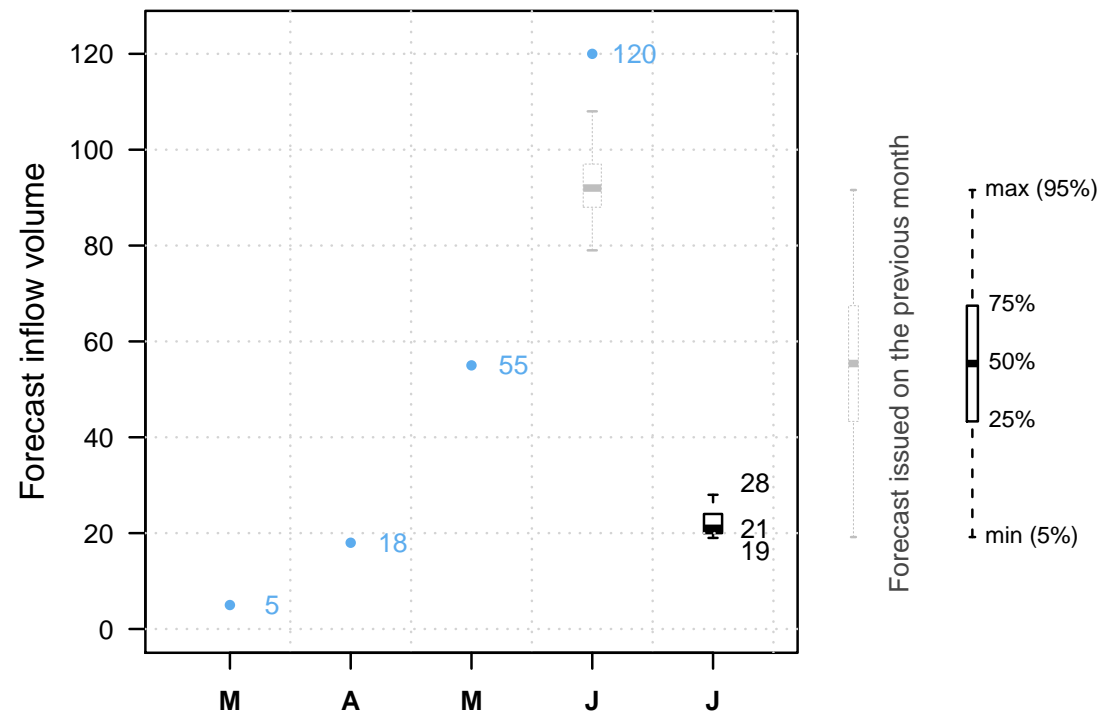


It is July 1st.

The reservoir is at 484  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

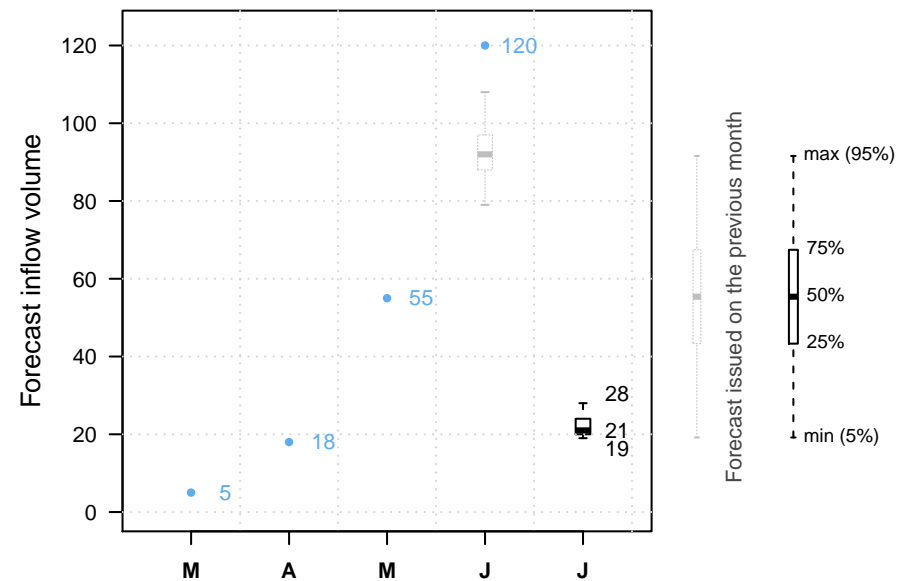
Previous decisions: B A C



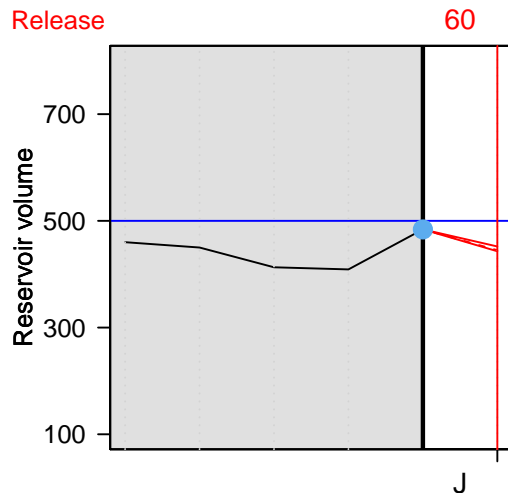
It is July 1st.

And our volunteer?

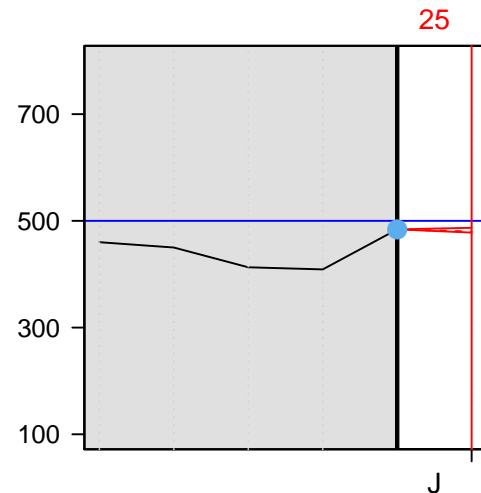
Let's see which release option our volunteer will choose.



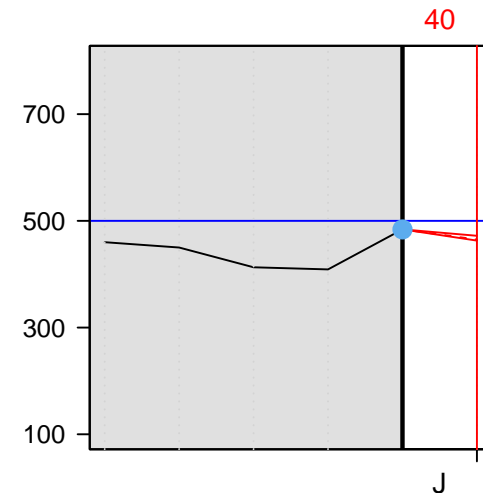
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$484 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 446 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

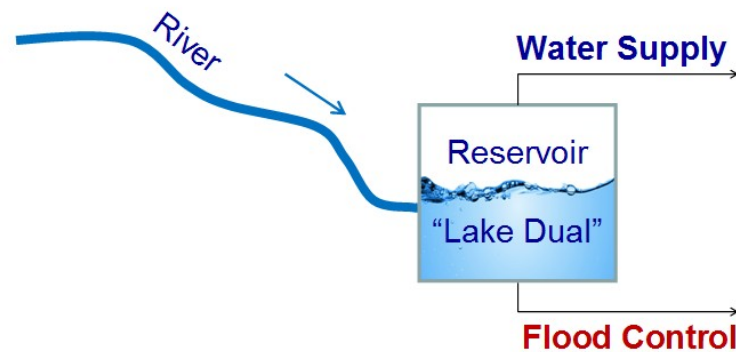
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



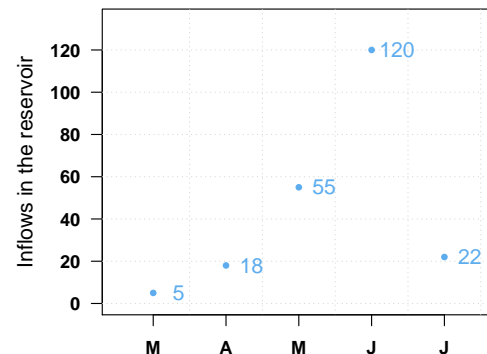
Swof Town



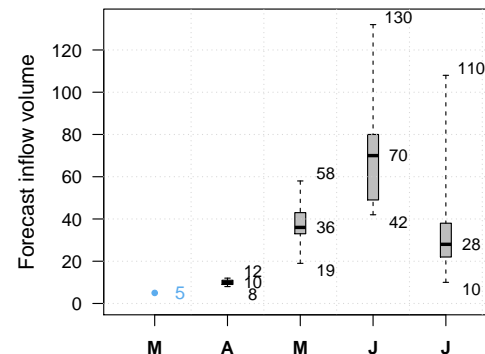
Safe Town



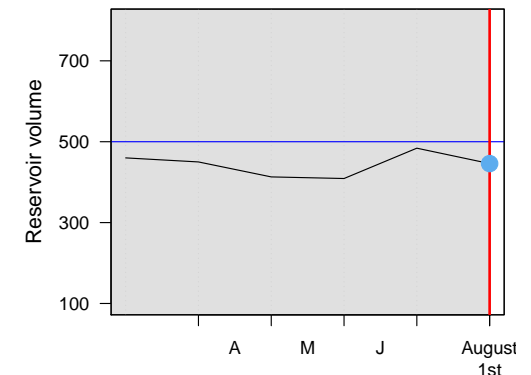
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



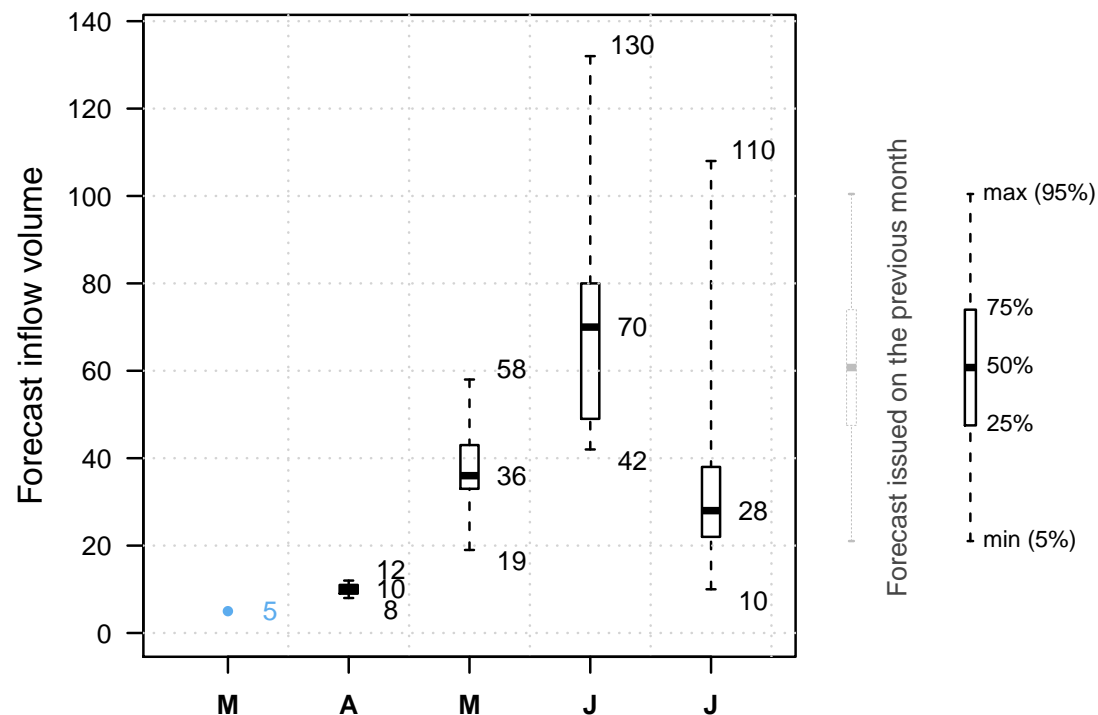


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

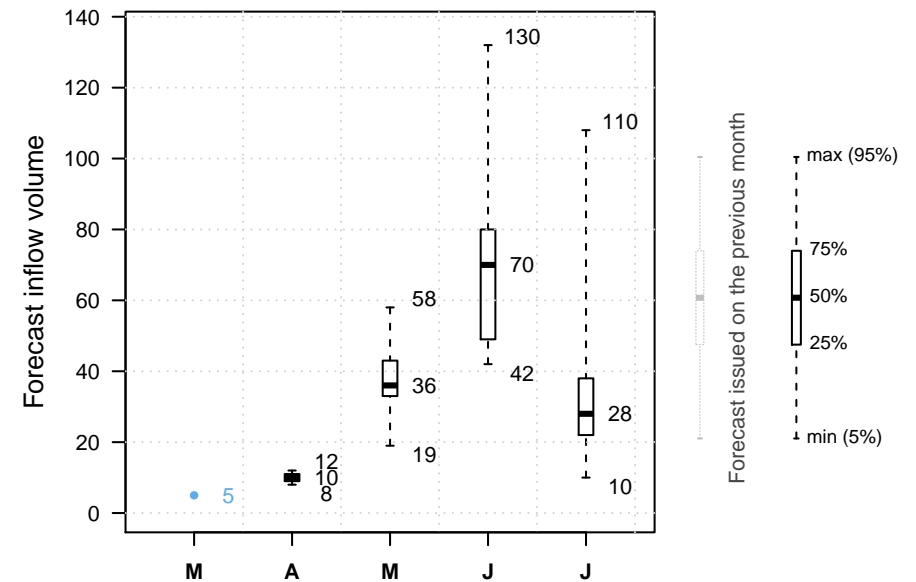
**NEXT**



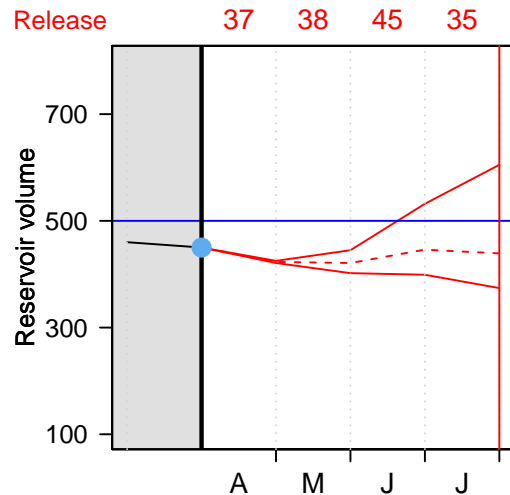
It is April 1st.

And our volunteer?

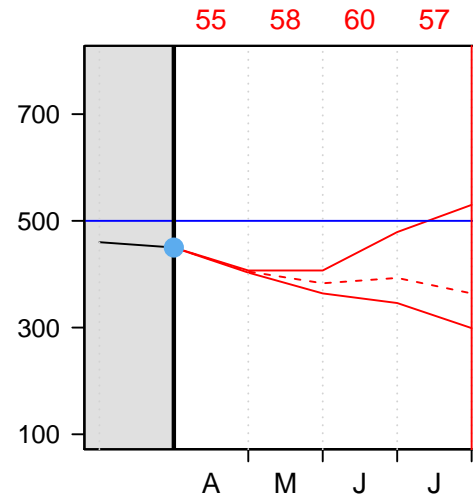
Let's see which release option our volunteer will choose.



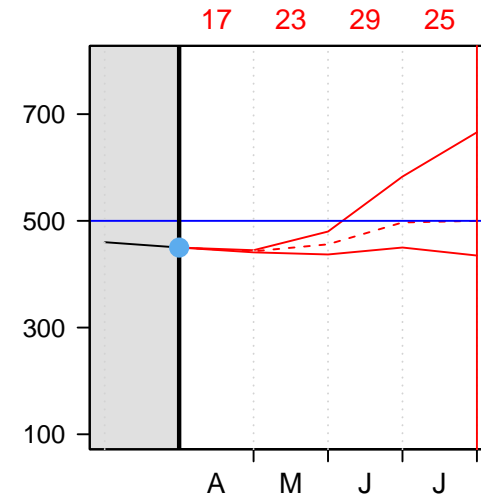
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

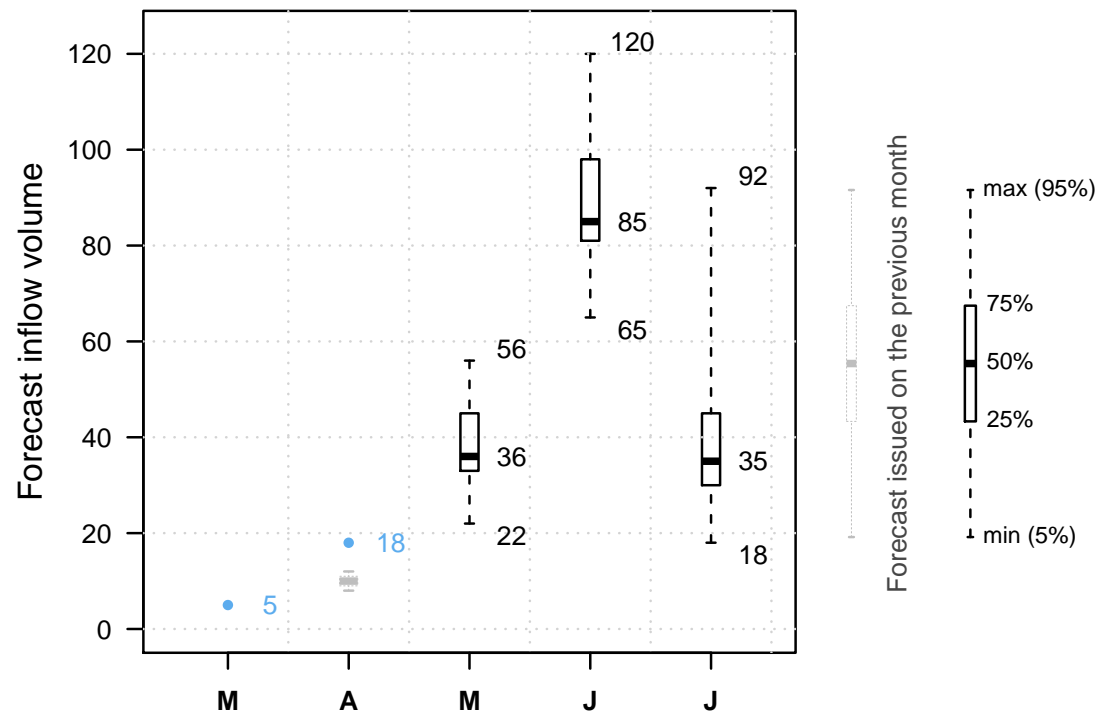


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

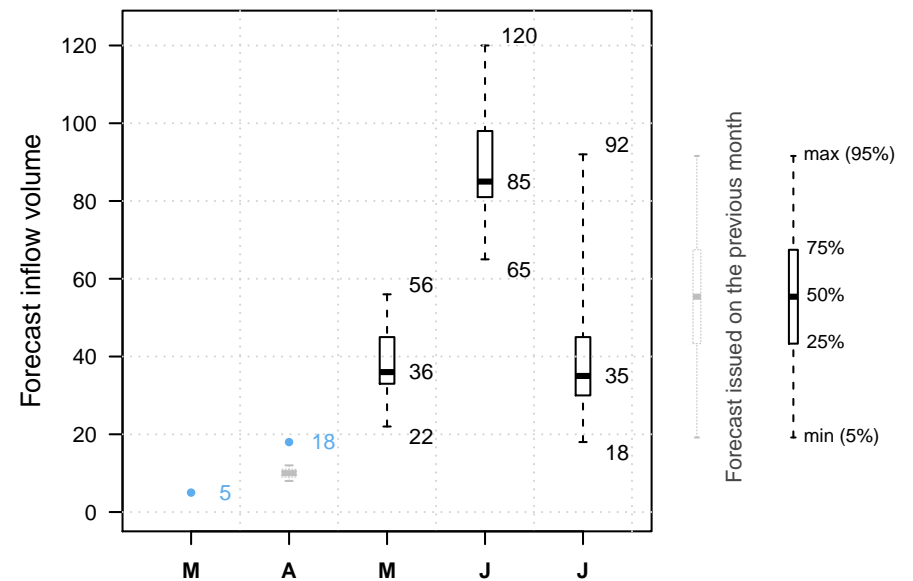
Previous decisions: C



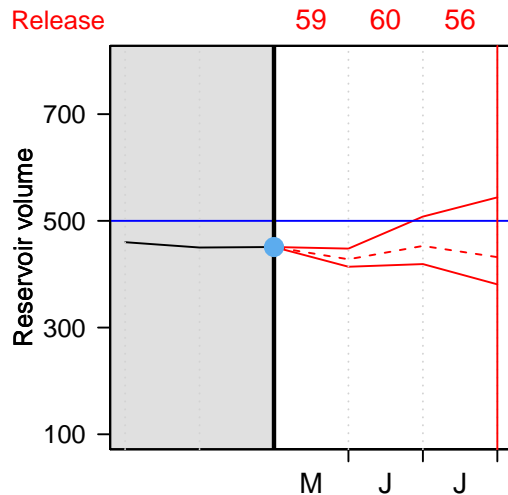
It is May 1st.

And our volunteer?

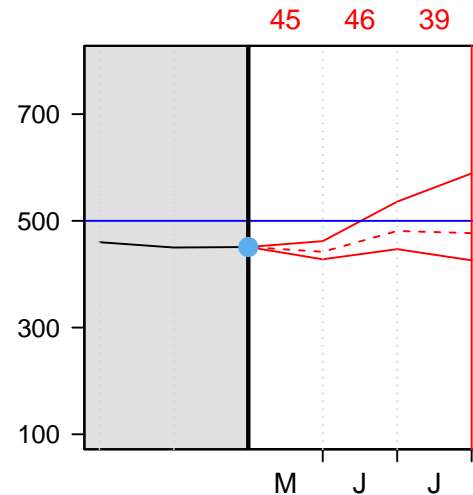
Let's see which release option our volunteer will choose.



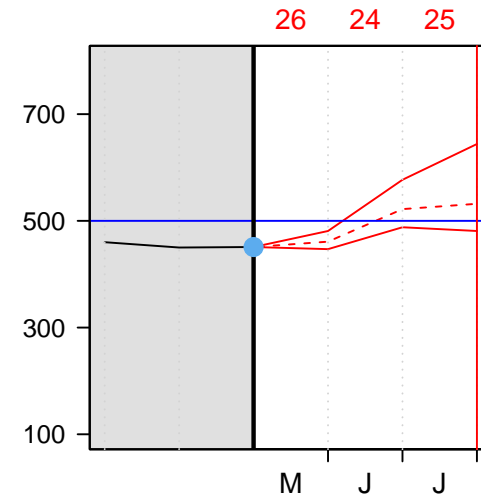
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



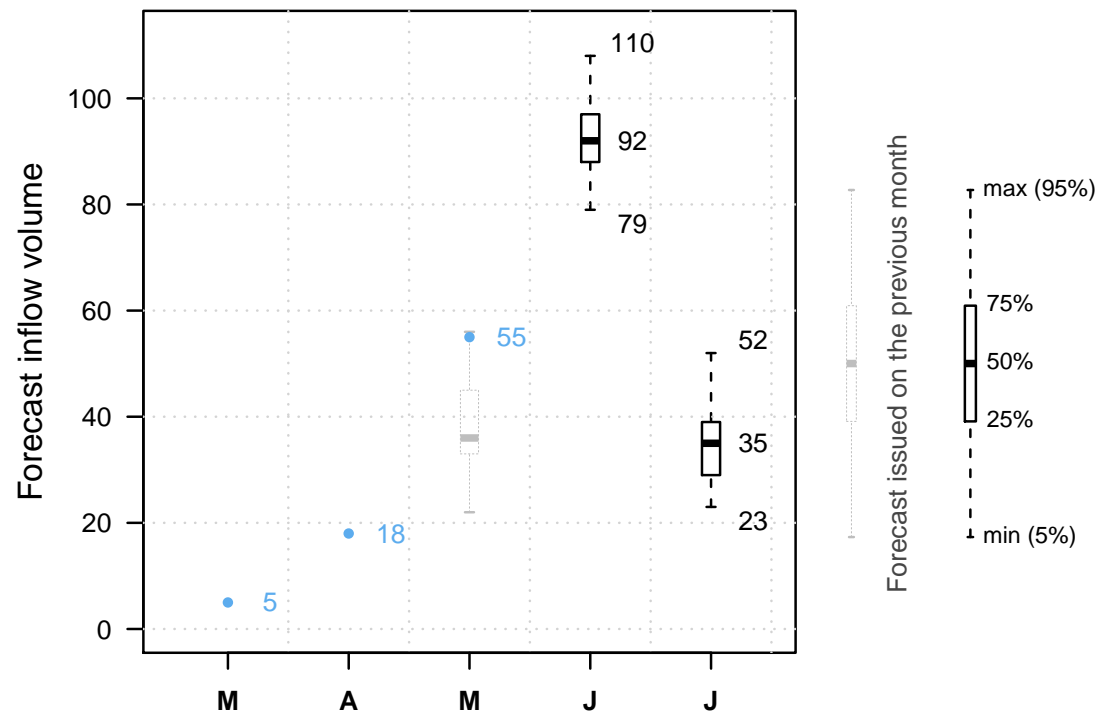


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

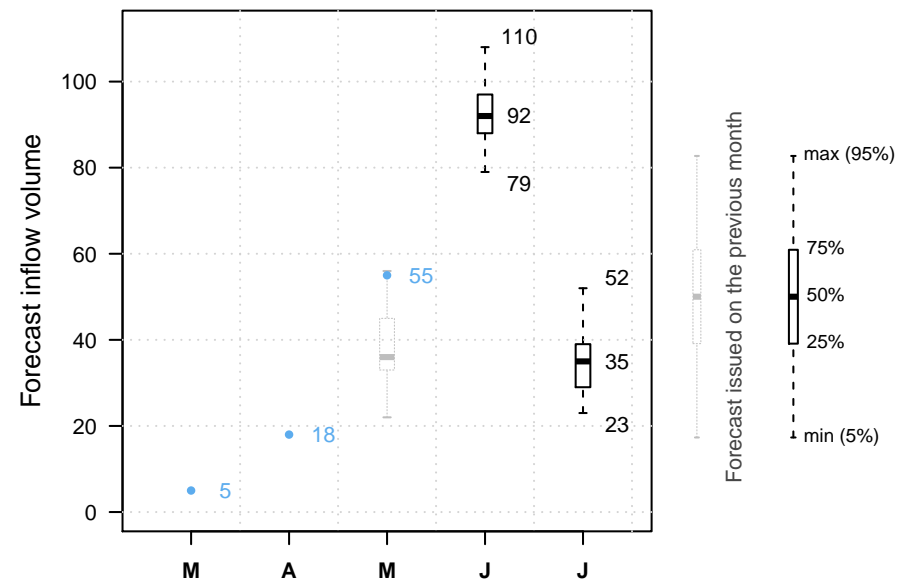
Previous decisions: C A



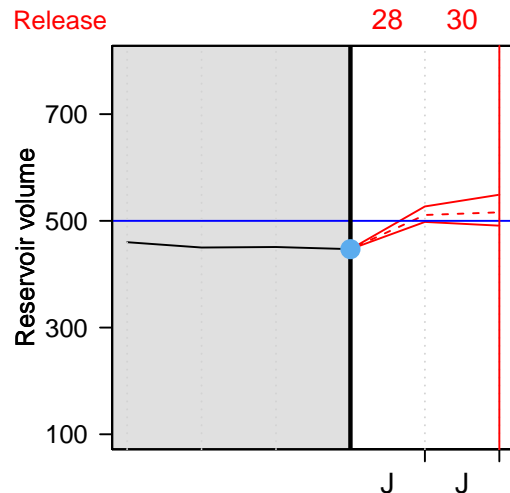
It is June 1st.

And our volunteer?

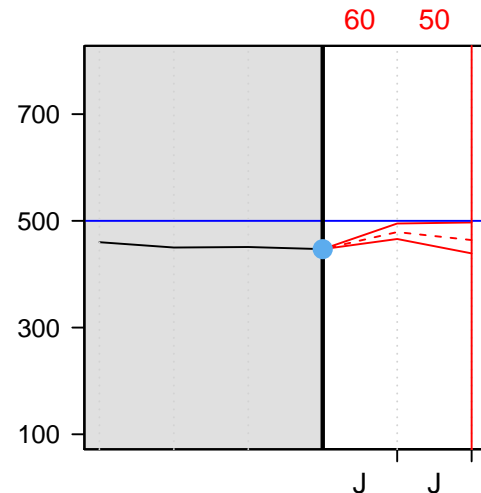
Let's see which release option our volunteer will choose.



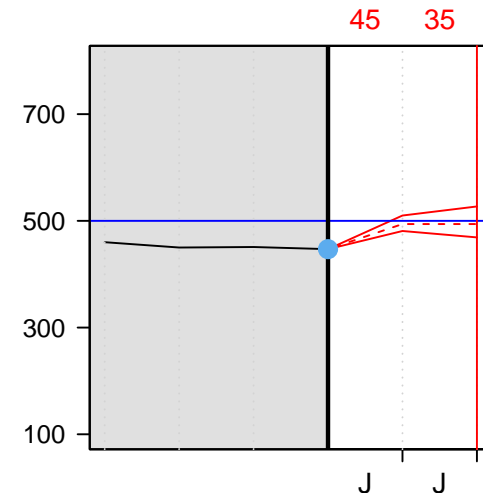
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 522 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

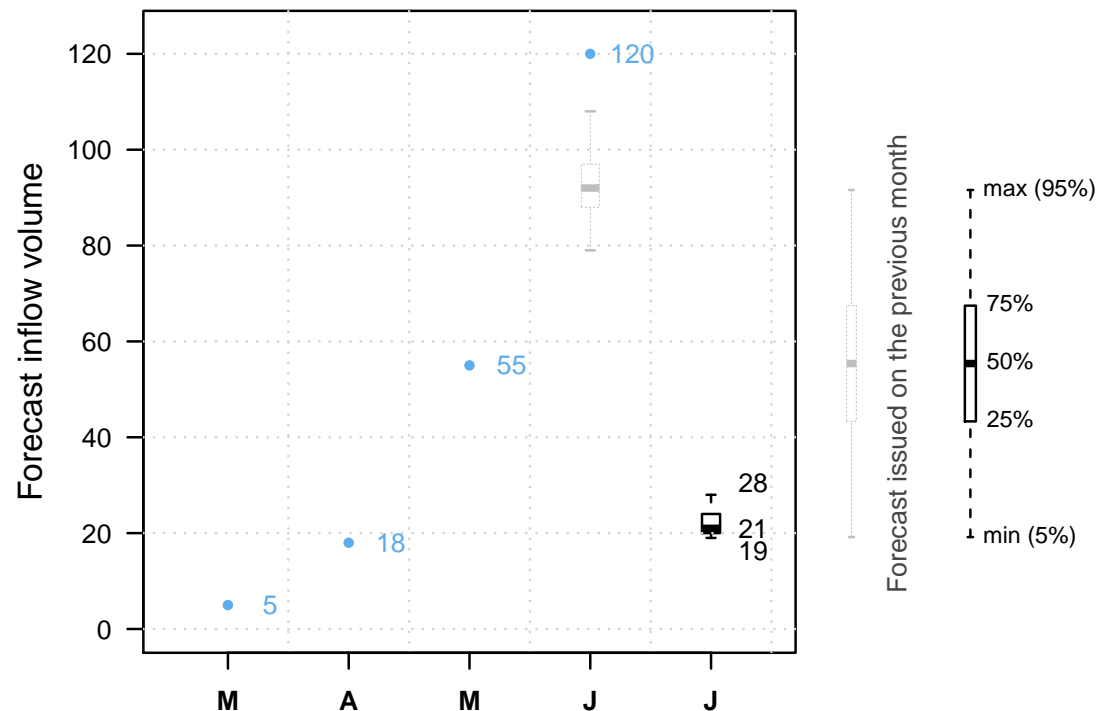


It is July 1st.

The reservoir is at  $522 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

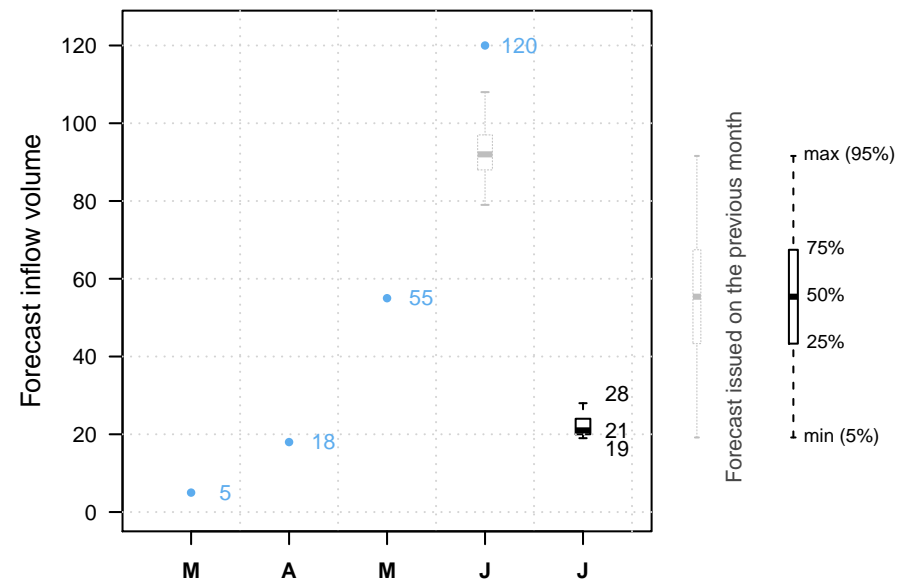
Previous decisions: C A C



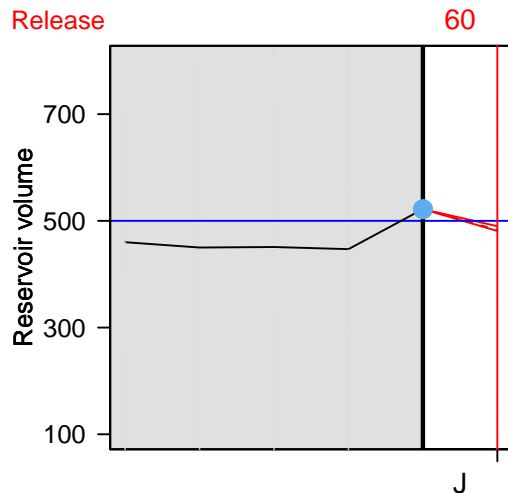
It is July 1st.

And our volunteer?

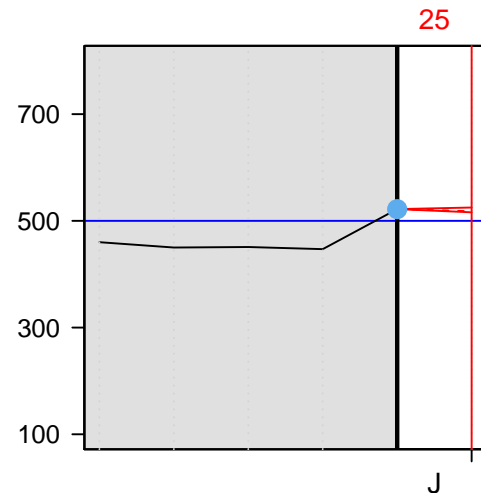
Let's see which release option our volunteer will choose.



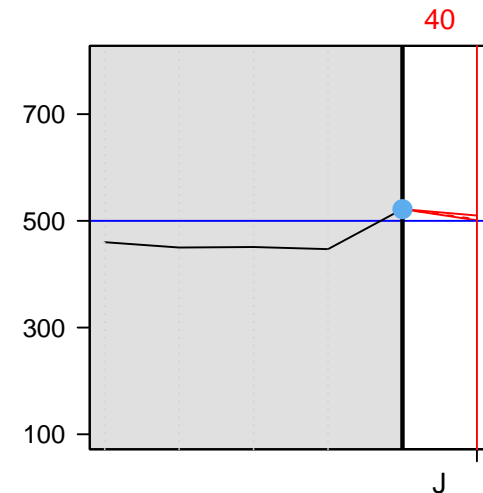
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$522 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

NEXT

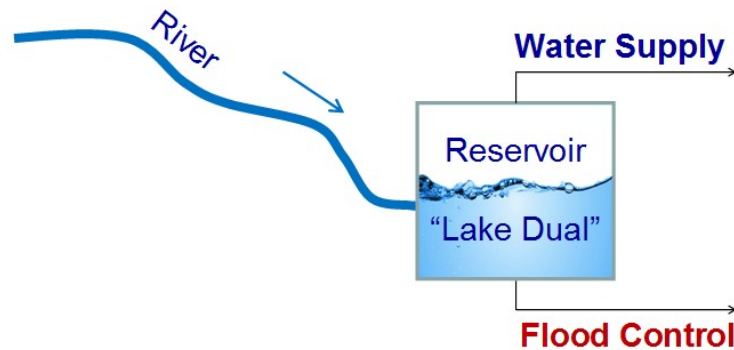
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



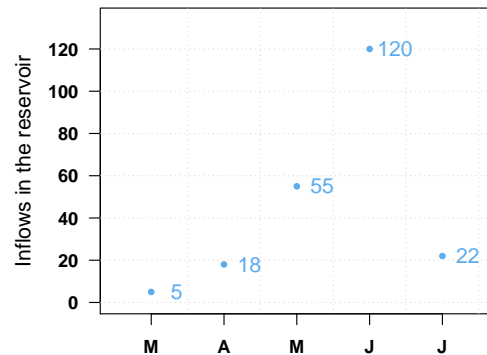
Swof Town



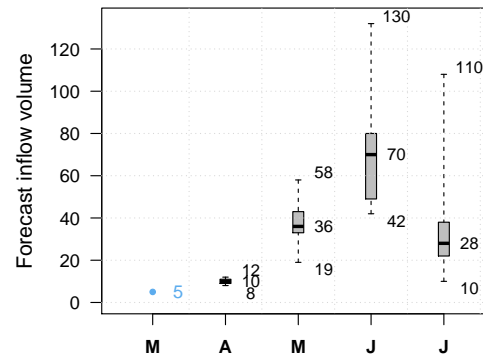
Safe Town



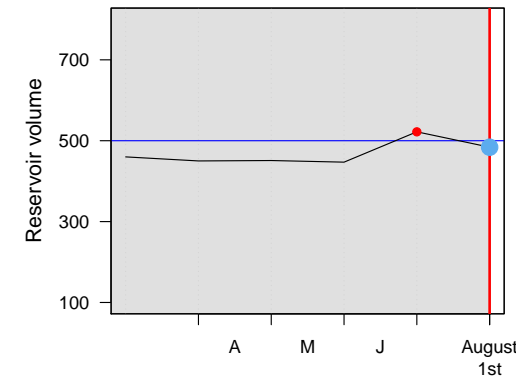
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

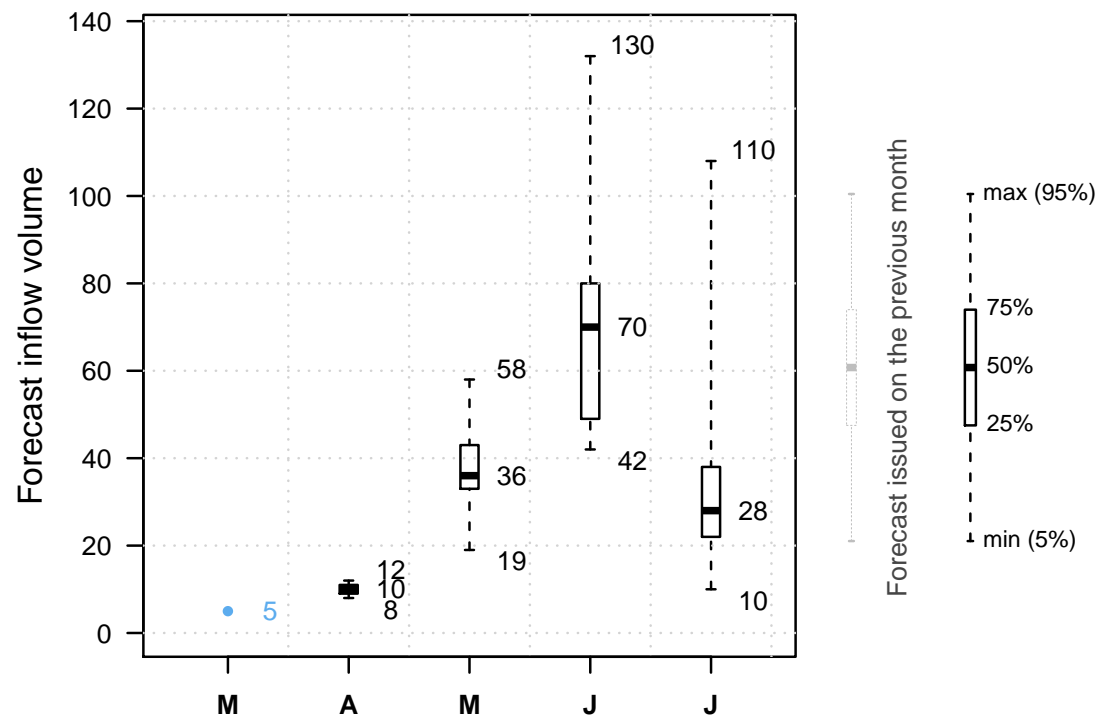


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

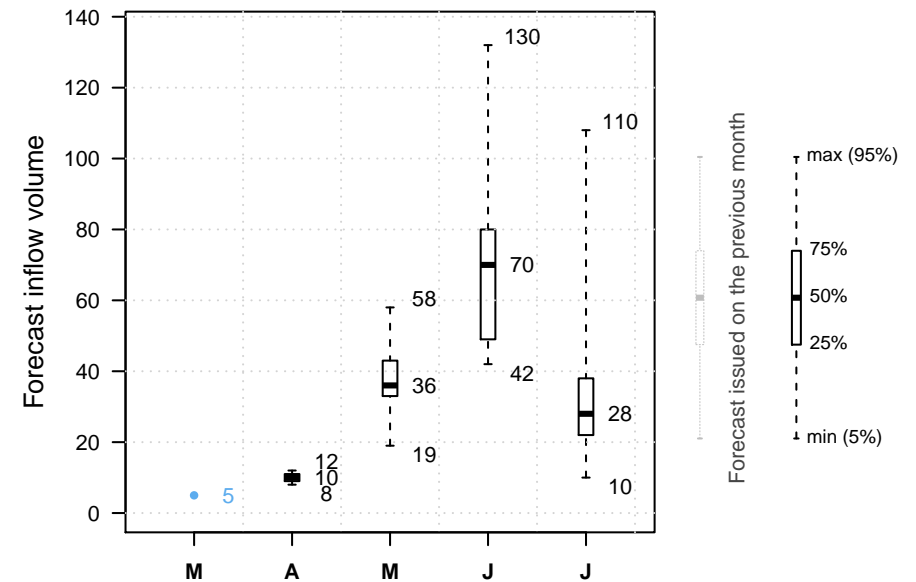
**NEXT**



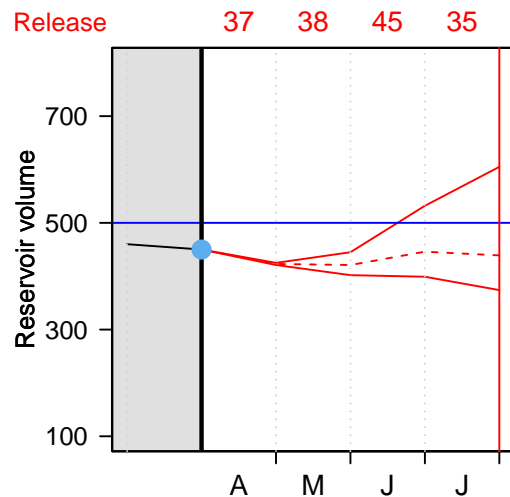
It is April 1st.

And our volunteer?

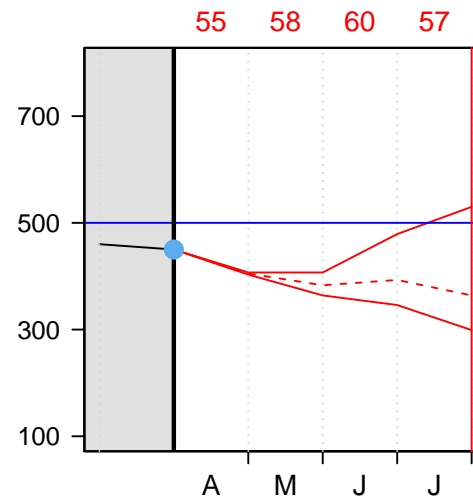
Let's see which release option our volunteer will choose.



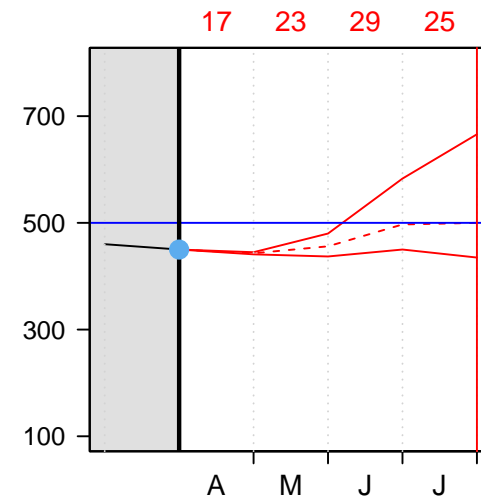
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

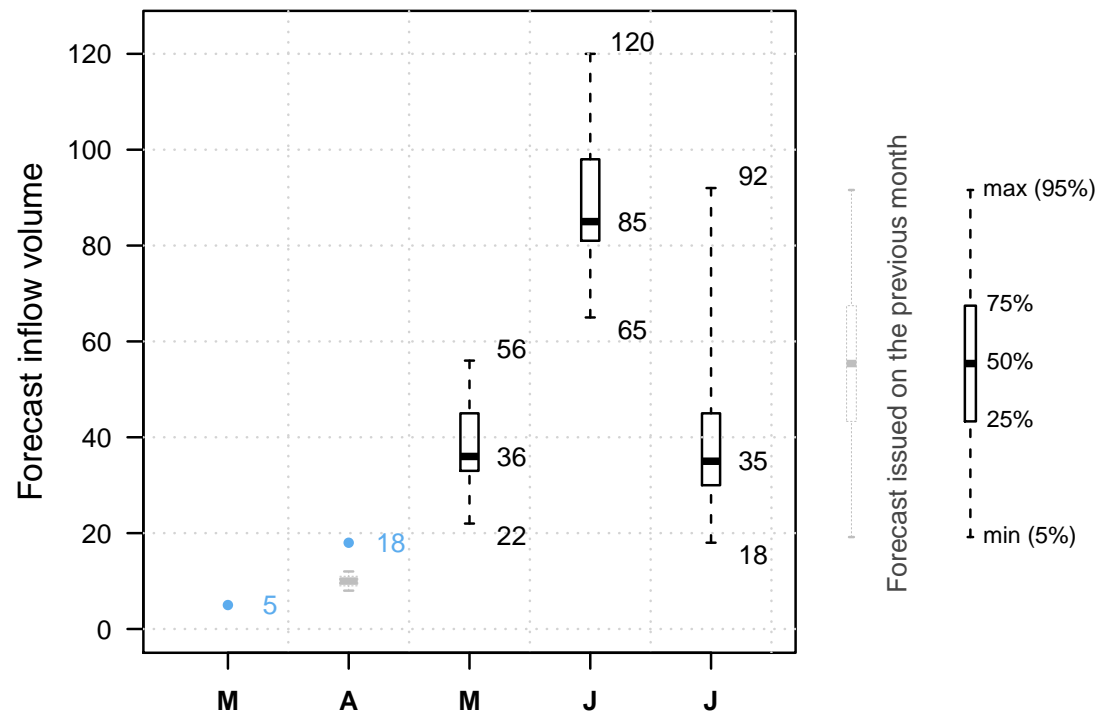


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

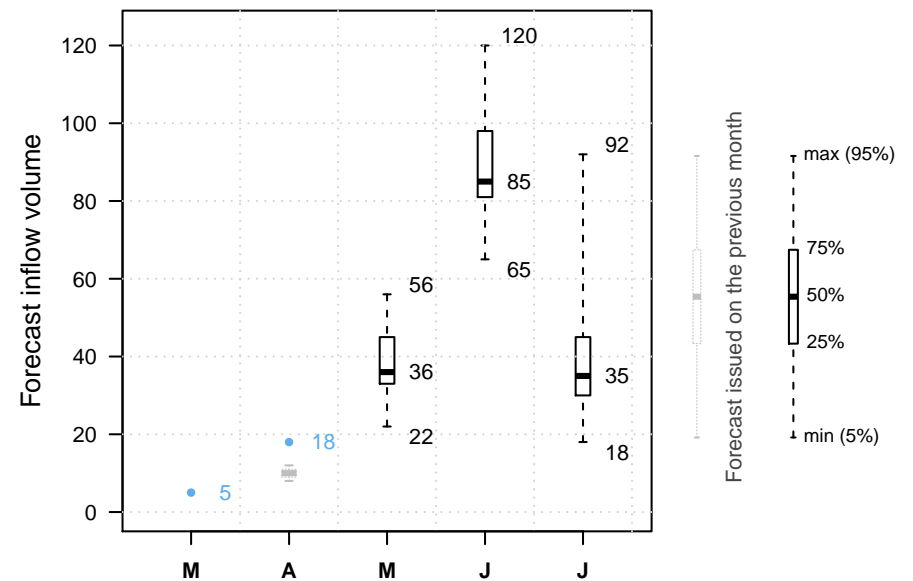
Previous decisions: A



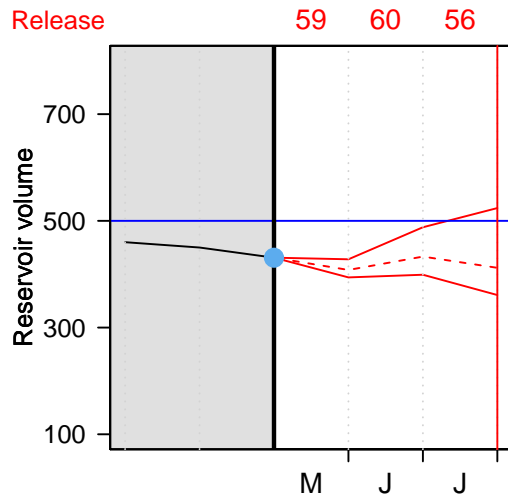
It is May 1st.

And our volunteer?

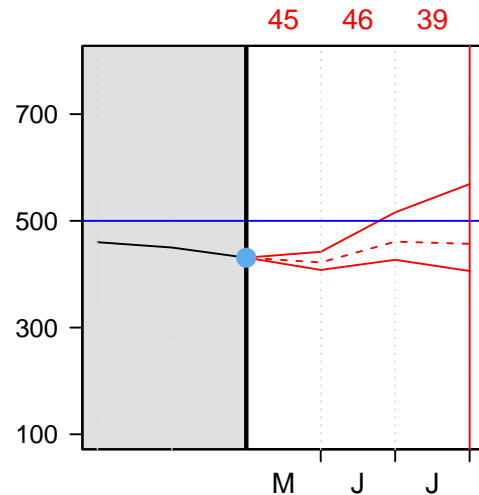
Let's see which release option our volunteer will choose.



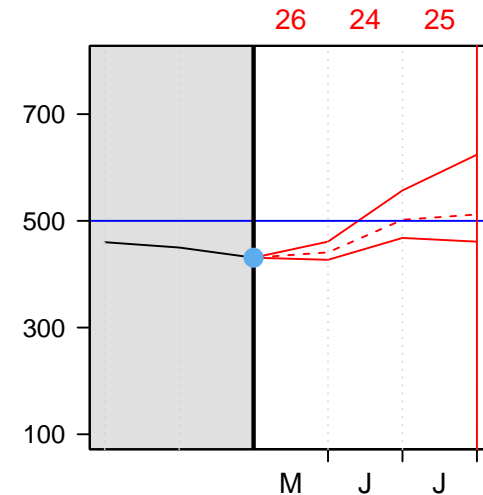
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

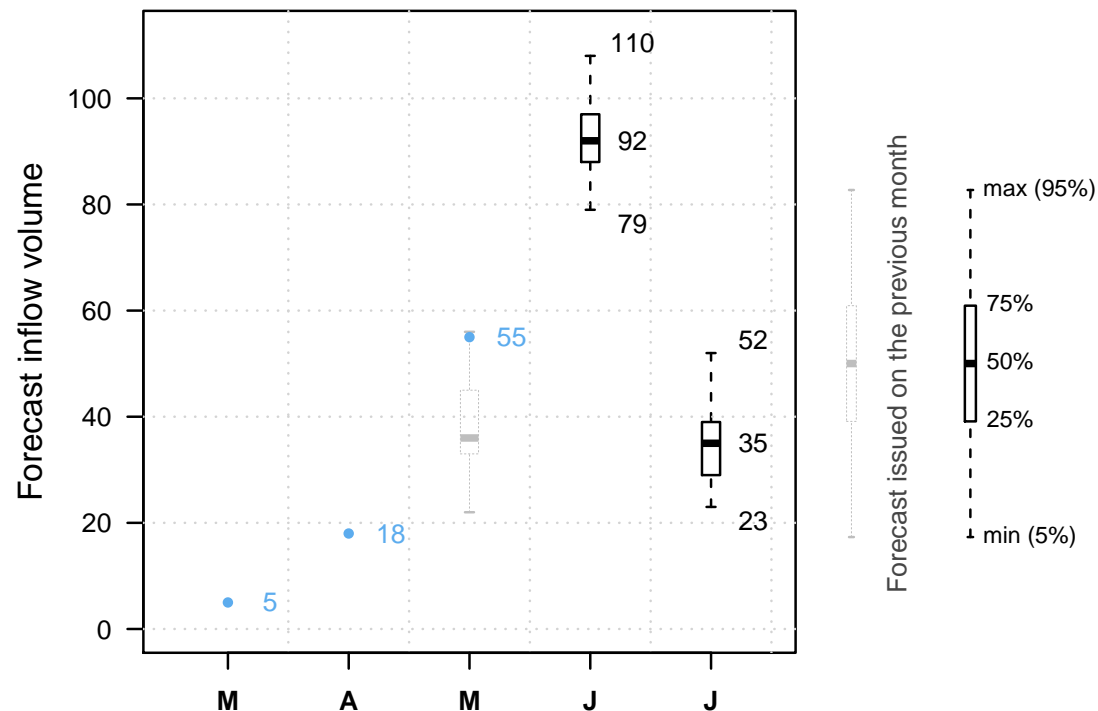


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

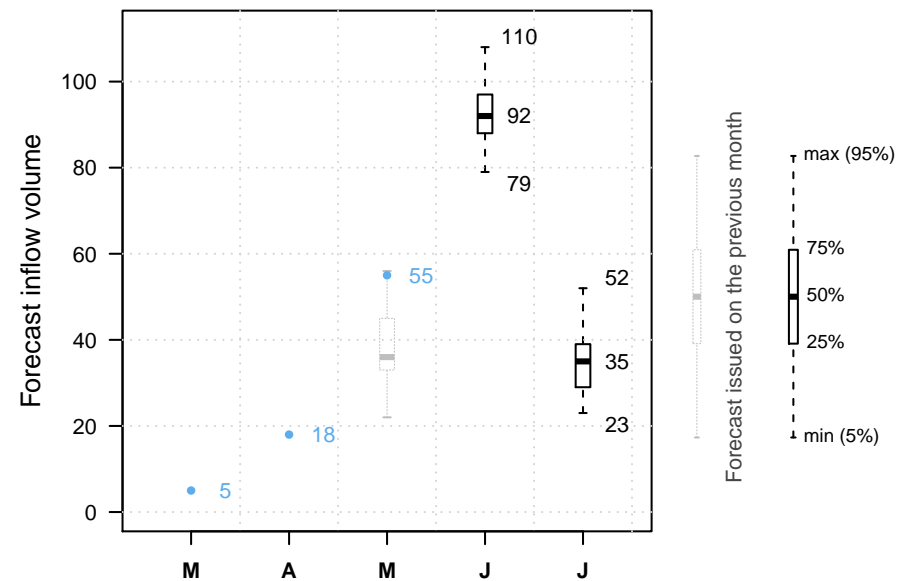
Previous decisions: A B



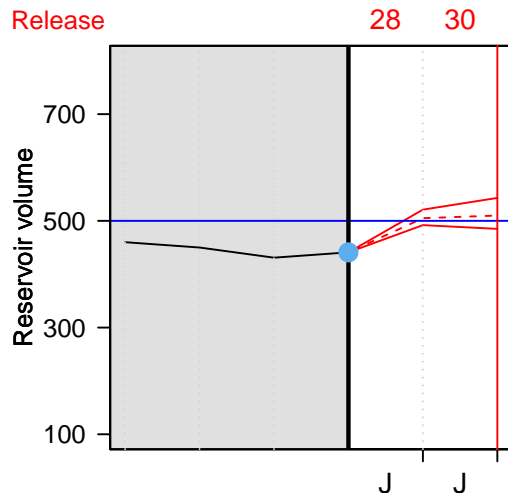
It is June 1st.

And our volunteer?

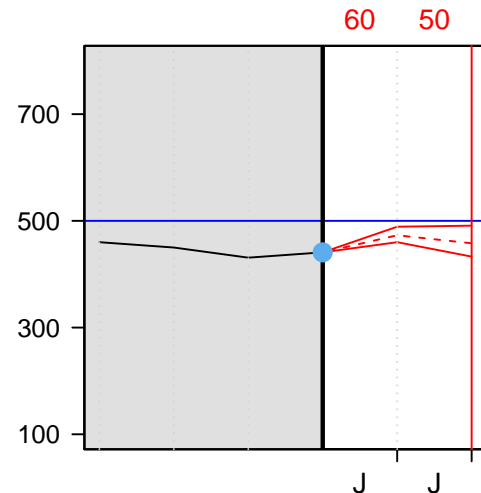
Let's see which release option our volunteer will choose.



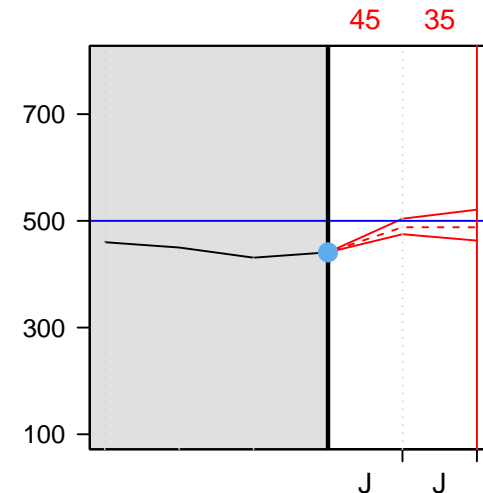
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 516 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

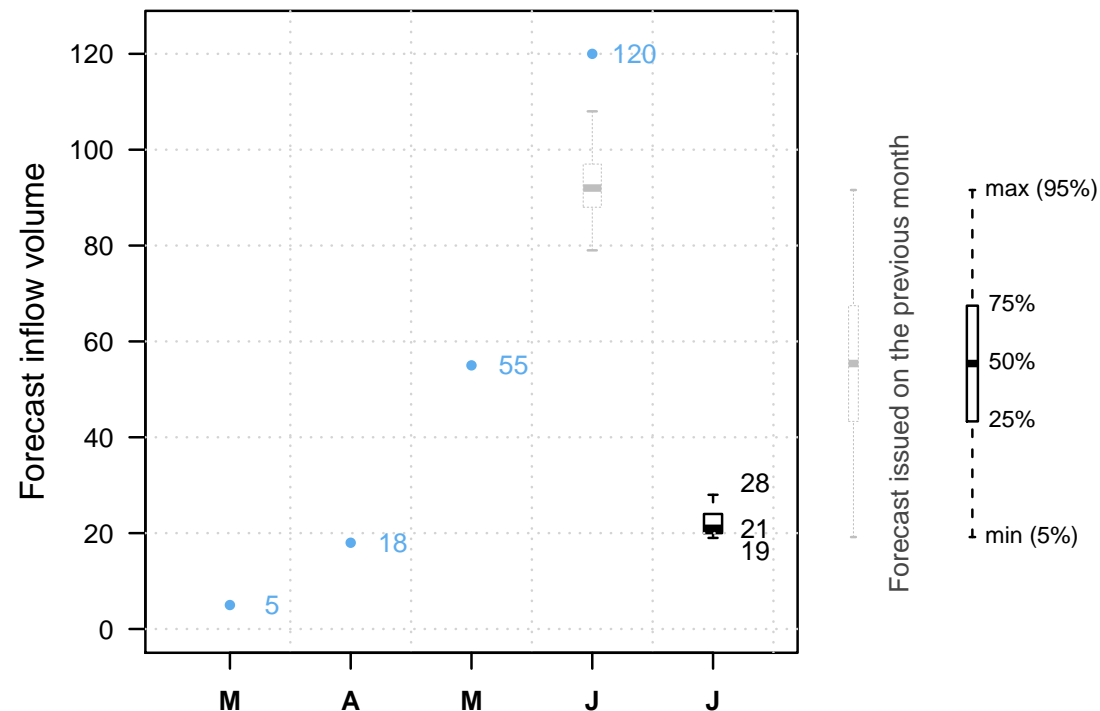


It is July 1st.

The reservoir is at 516  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

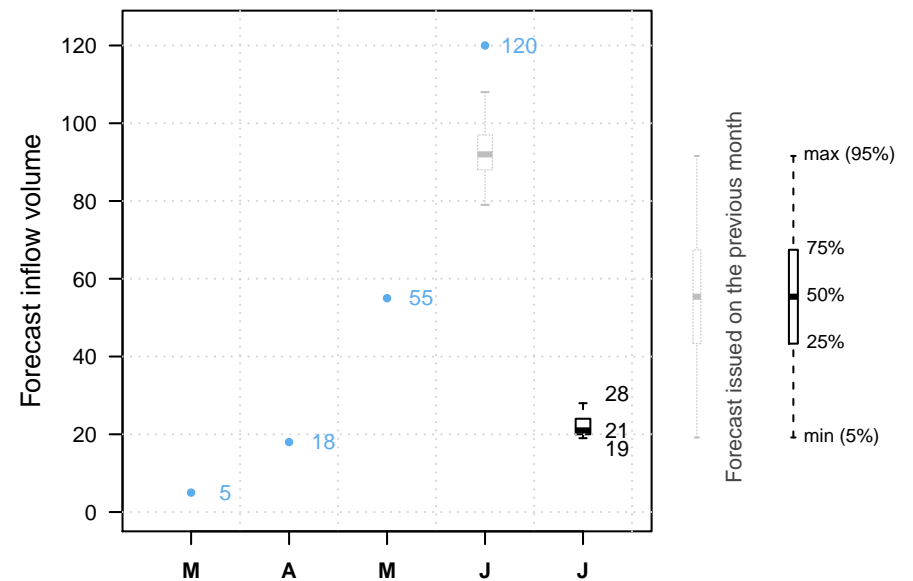
Previous decisions: A B C



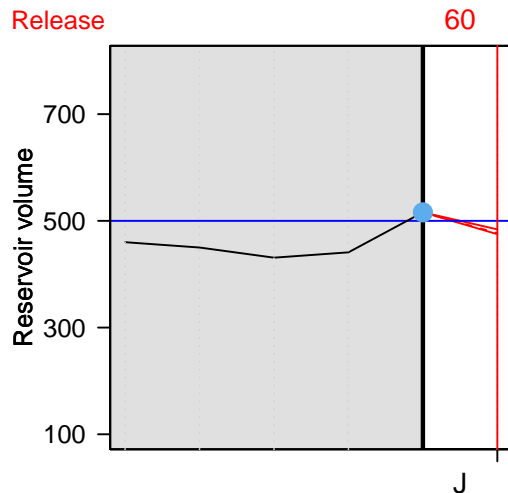
It is July 1st.

And our volunteer?

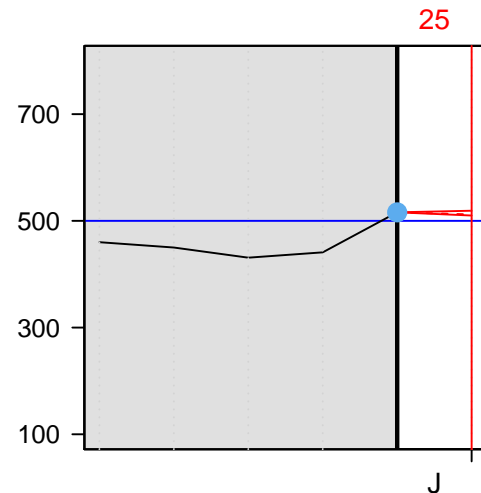
Let's see which release option our volunteer will choose.



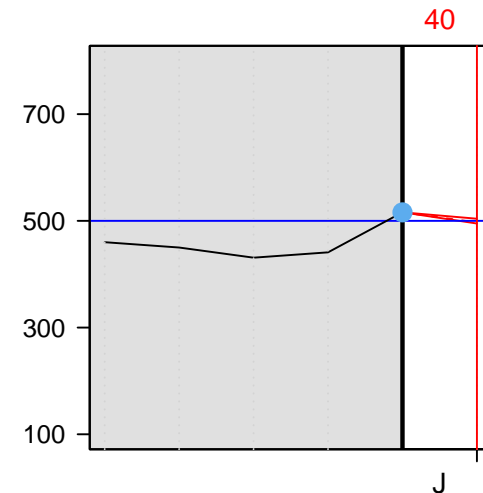
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$516 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 478 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

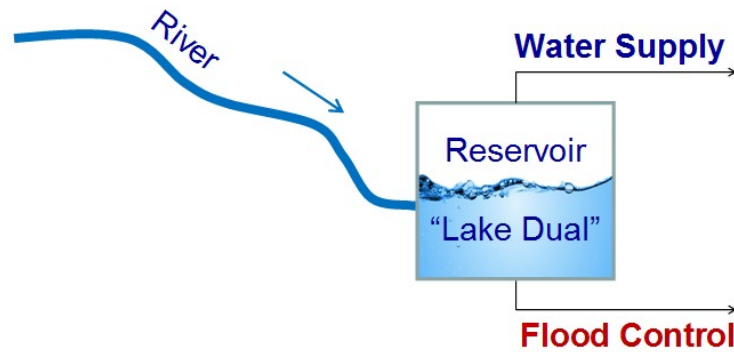
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



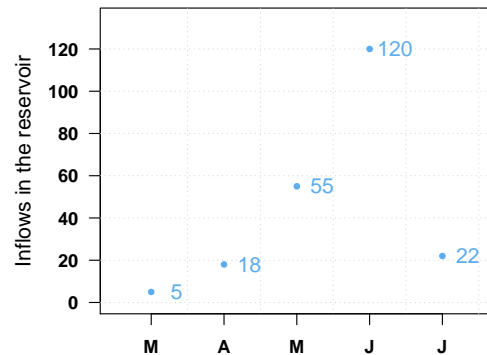
Swof Town



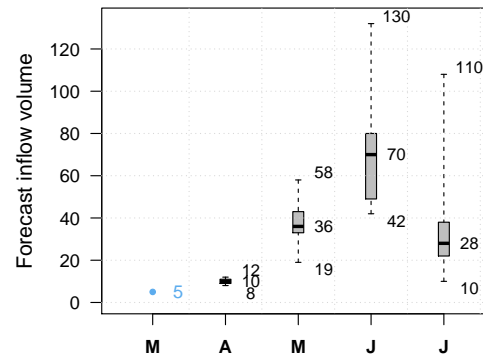
Safe Town



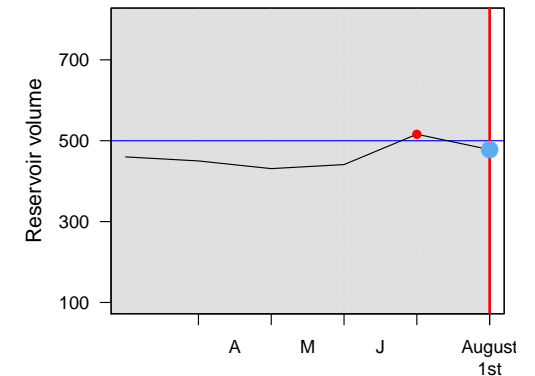
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

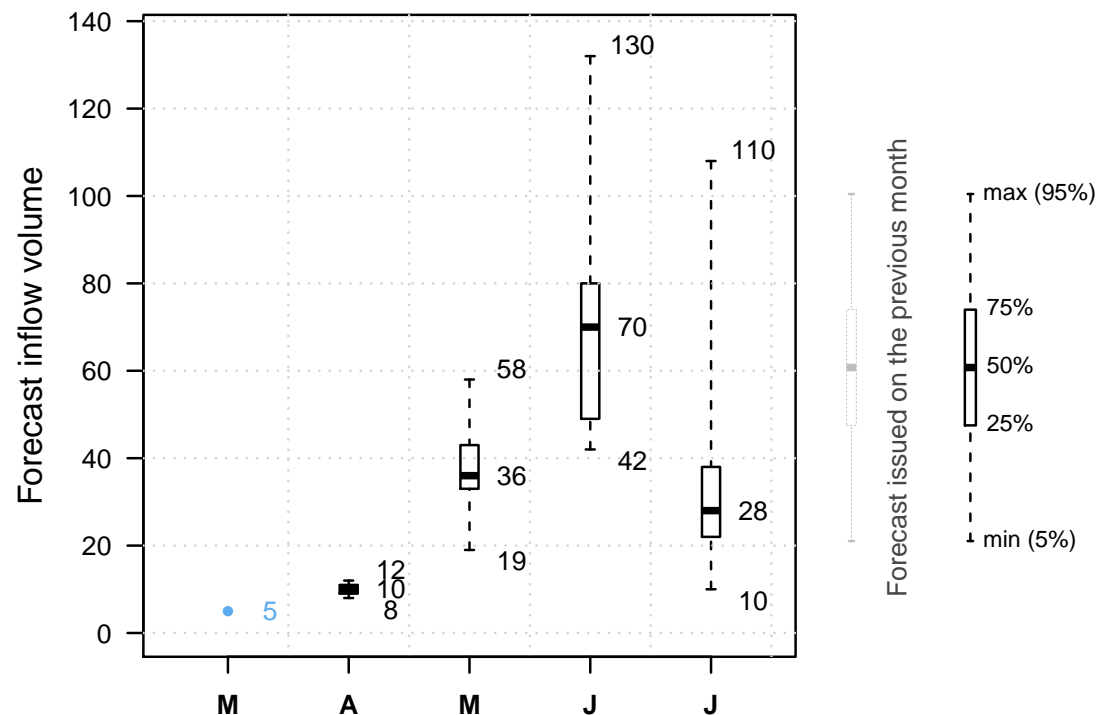


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

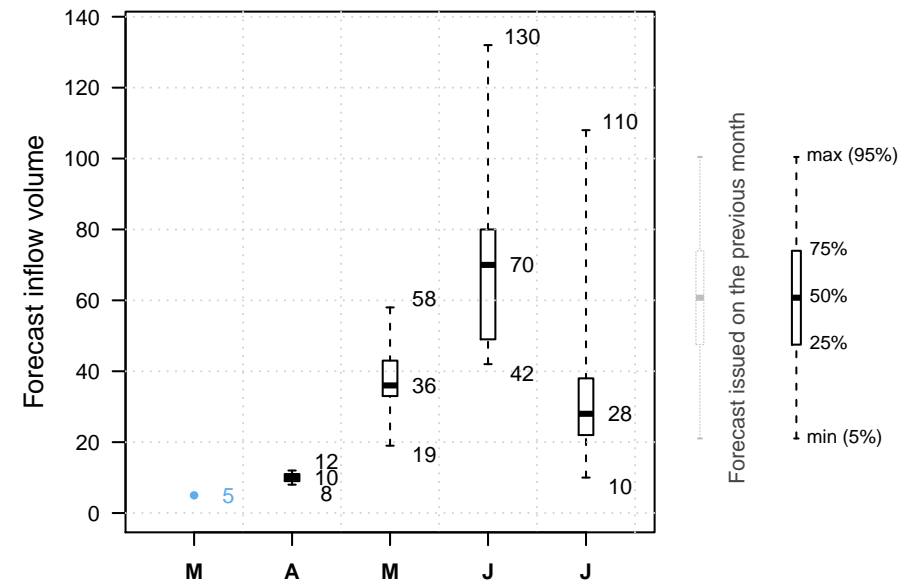
**NEXT**



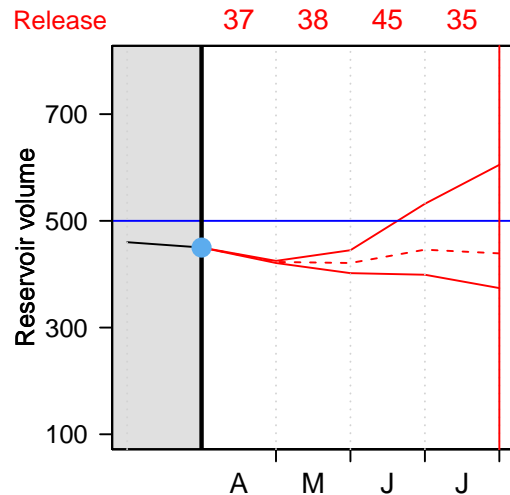
It is April 1st.

And our volunteer?

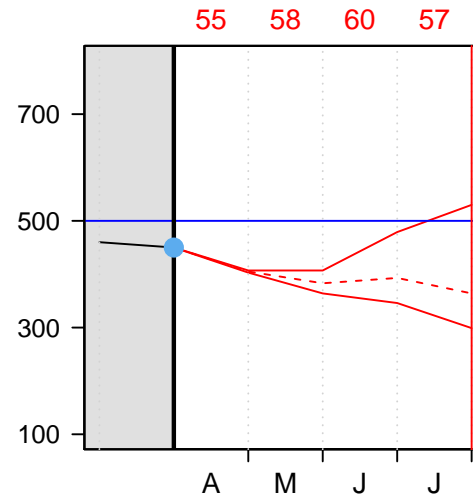
Let's see which release option our volunteer will choose.



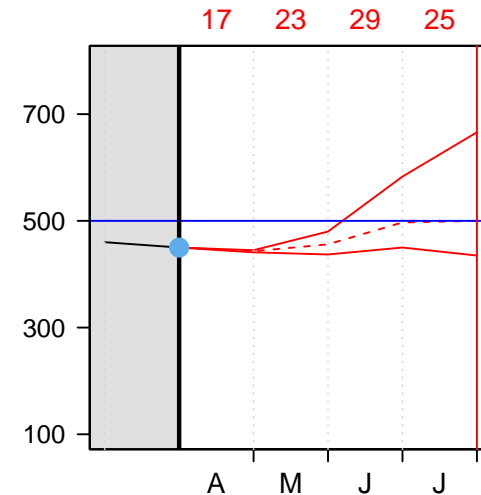
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

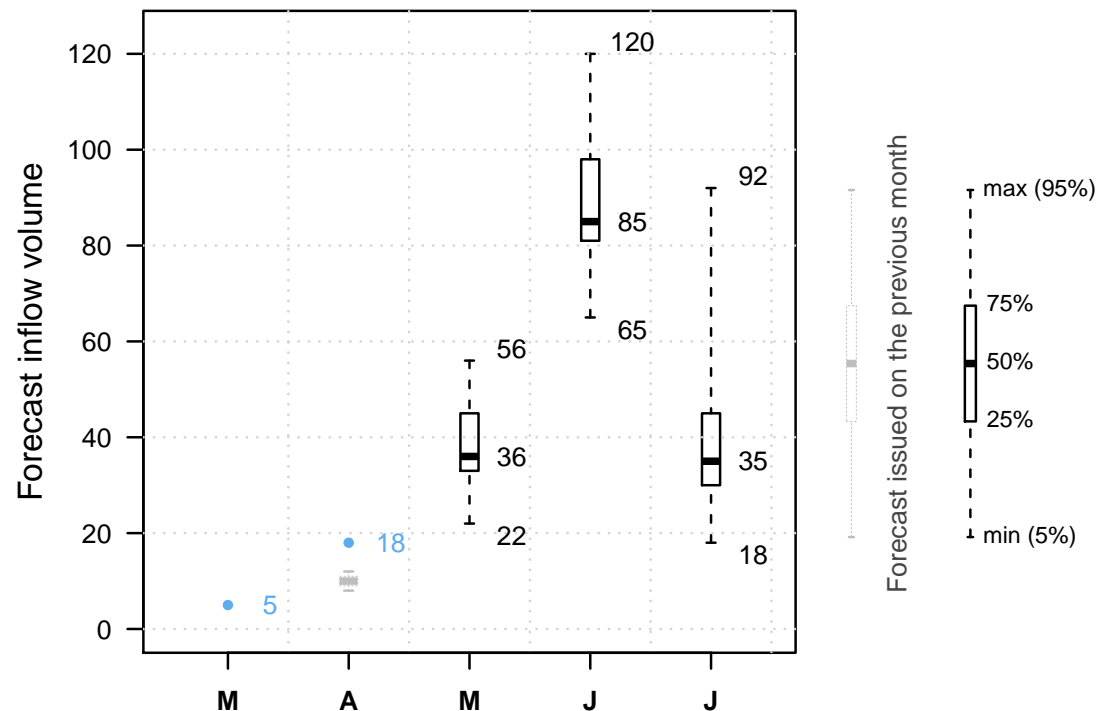


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

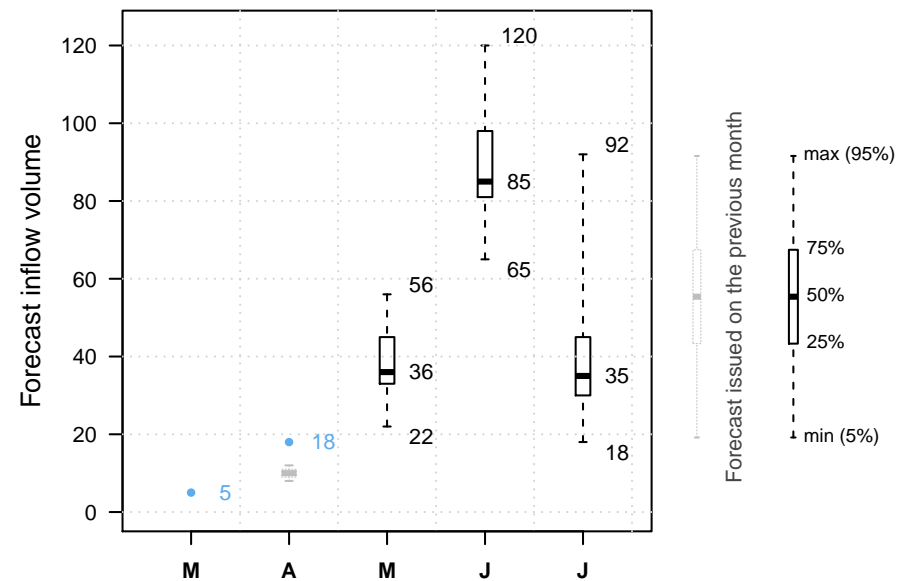
Previous decisions: B



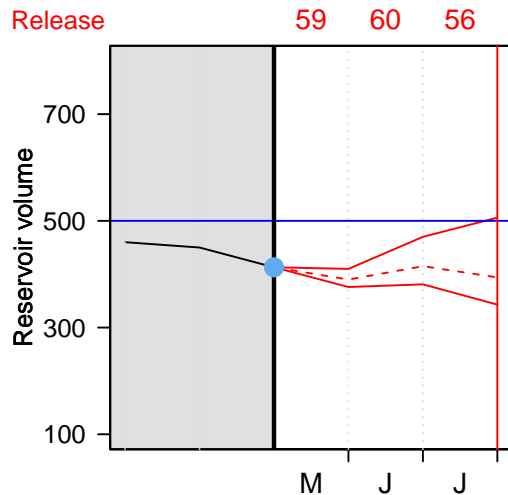
It is May 1st.

And our volunteer?

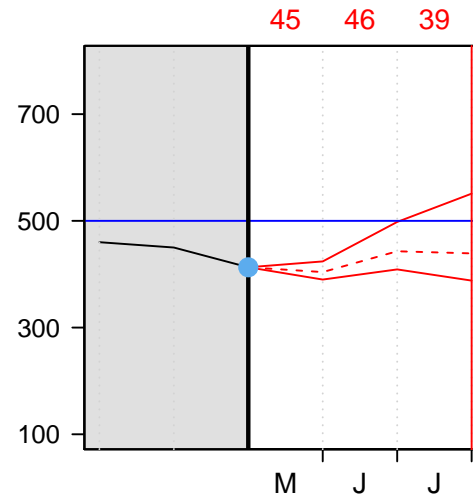
Let's see which release option our volunteer will choose.



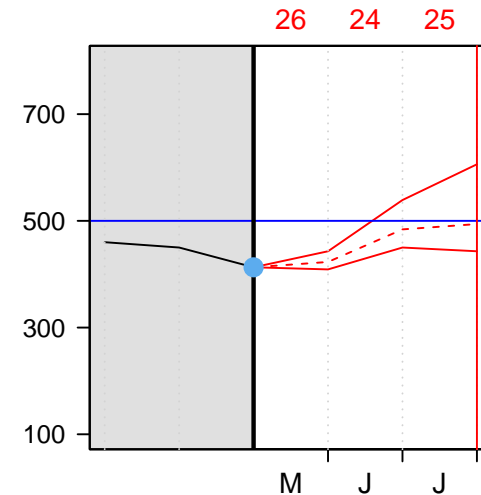
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

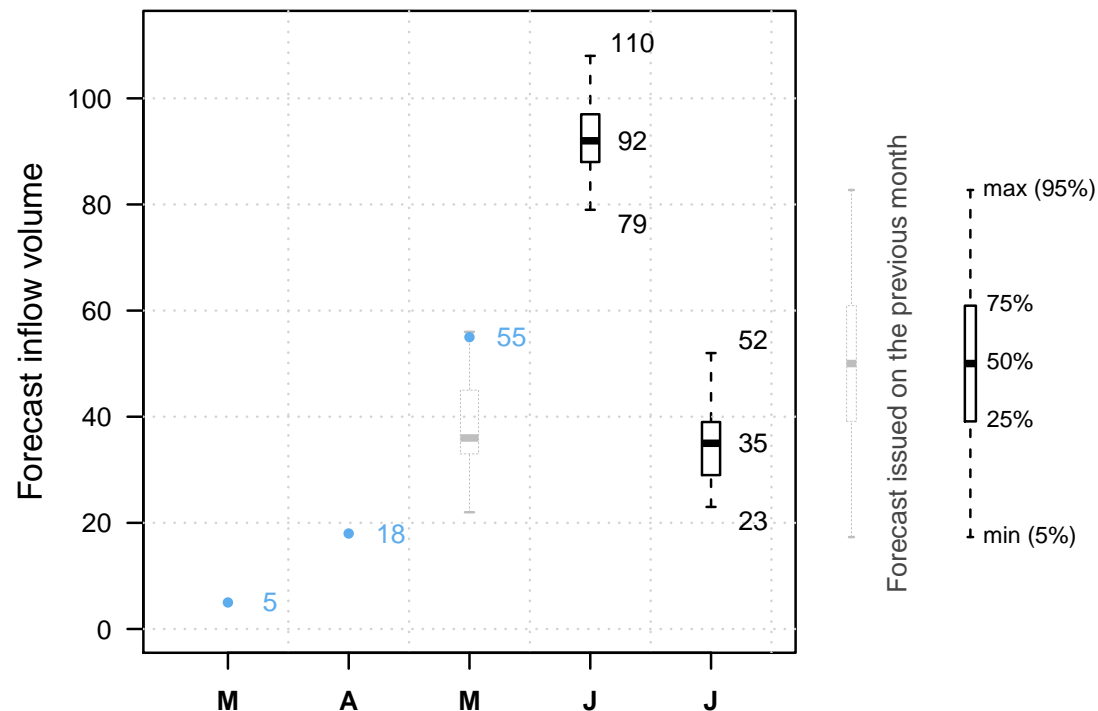


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

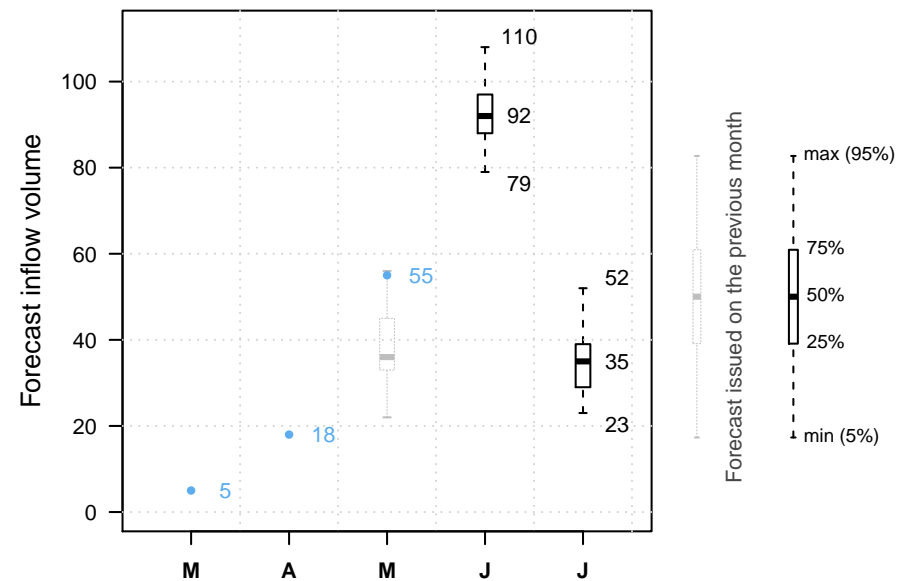
Previous decisions: B B



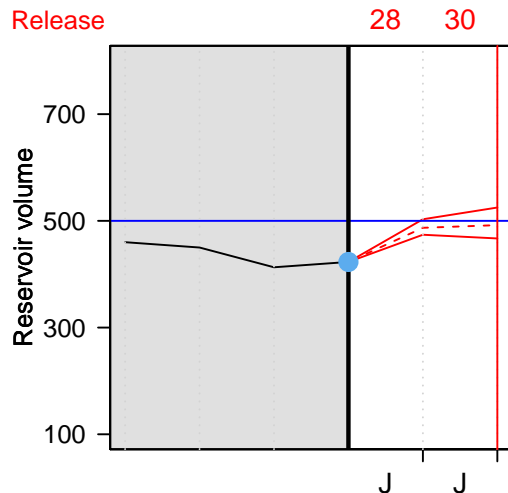
It is June 1st.

And our volunteer?

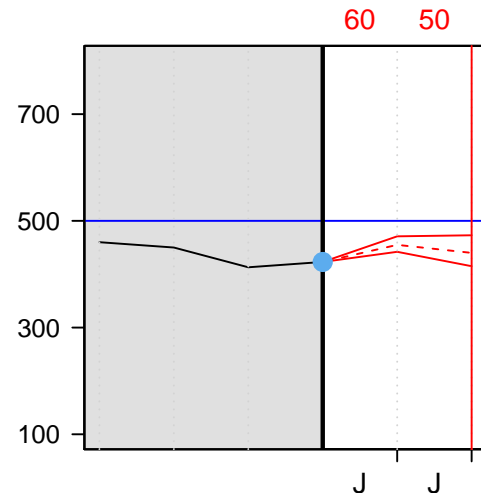
Let's see which release option our volunteer will choose.



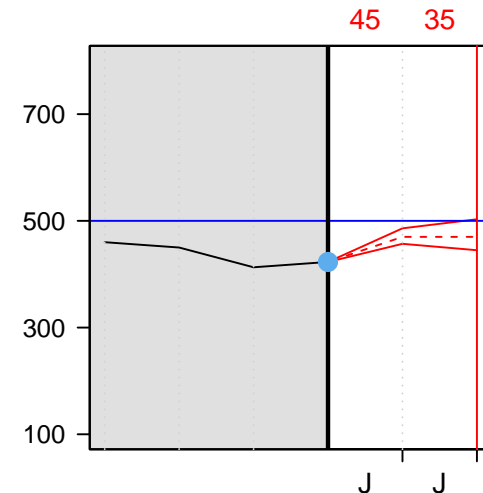
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

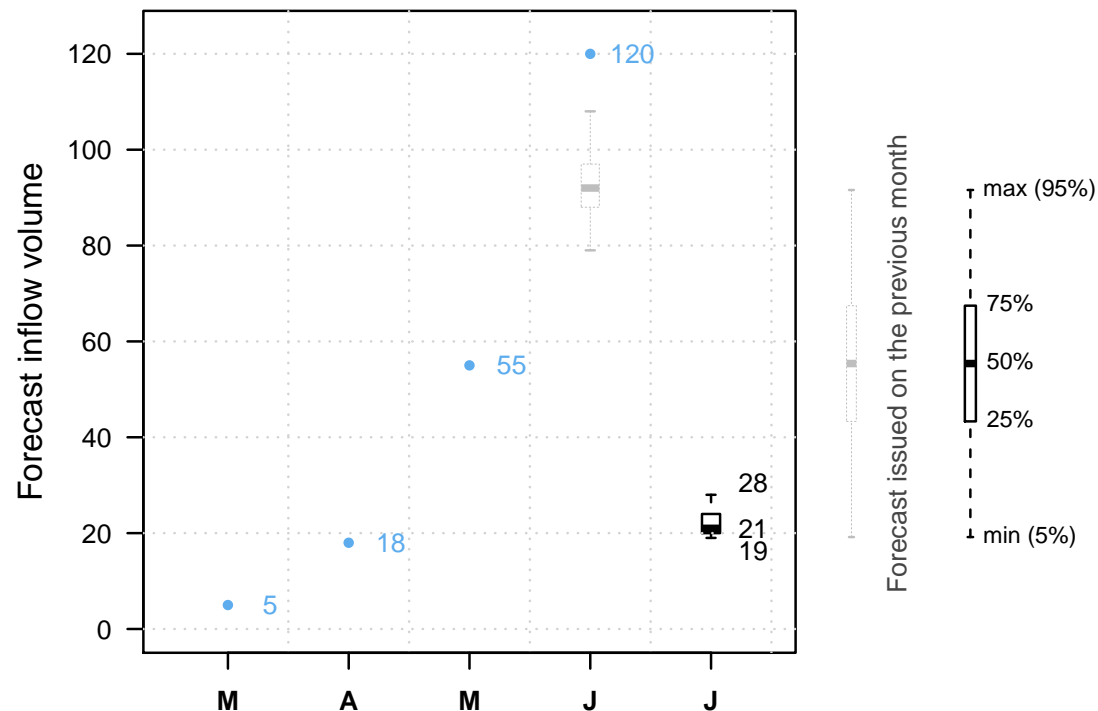


It is July 1st.

The reservoir is at 498  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

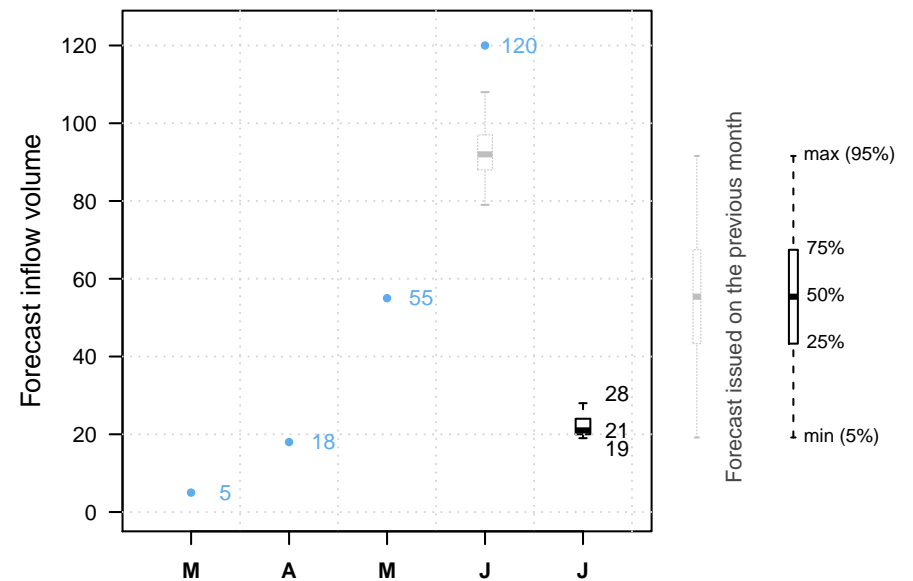
Previous decisions: B B C



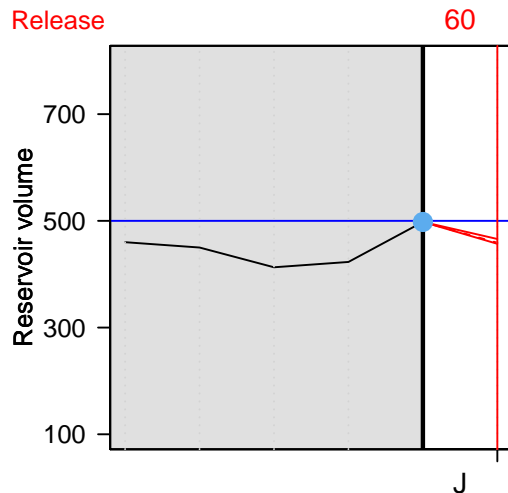
It is July 1st.

And our volunteer?

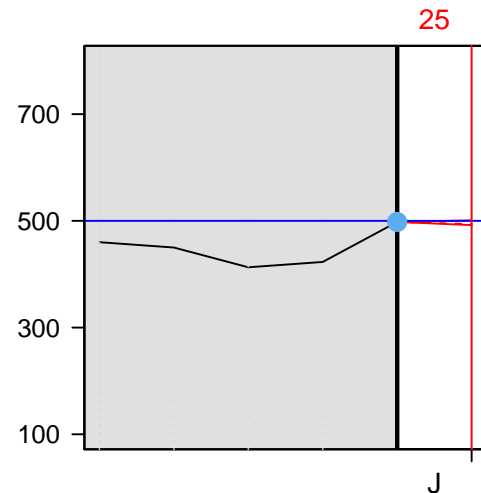
Let's see which release option our volunteer will choose.



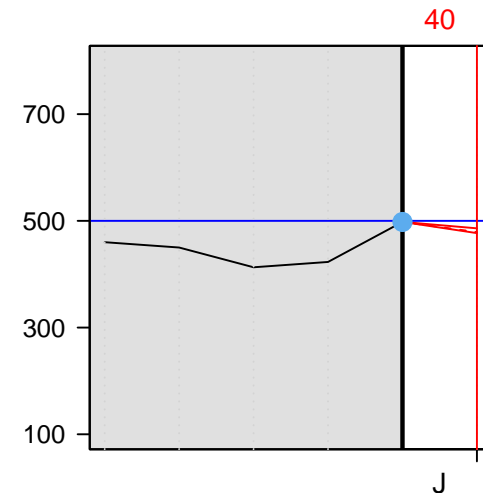
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$498 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

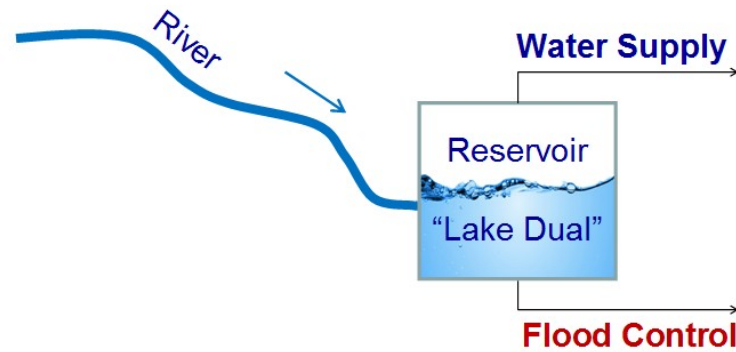
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



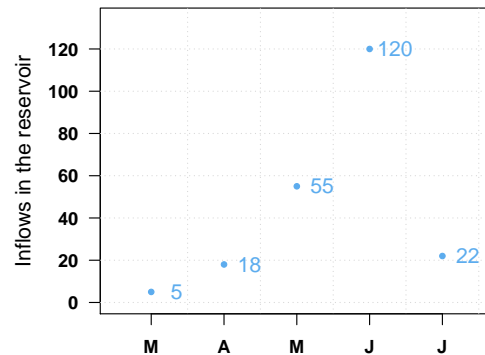
Swof Town



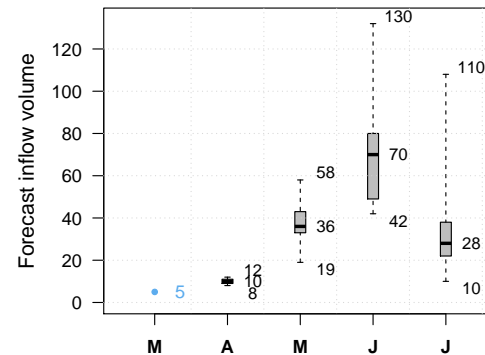
Safe Town



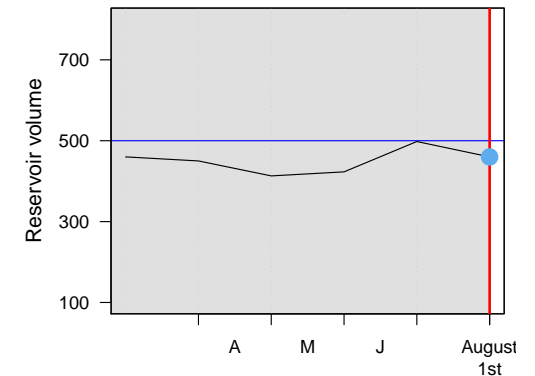
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

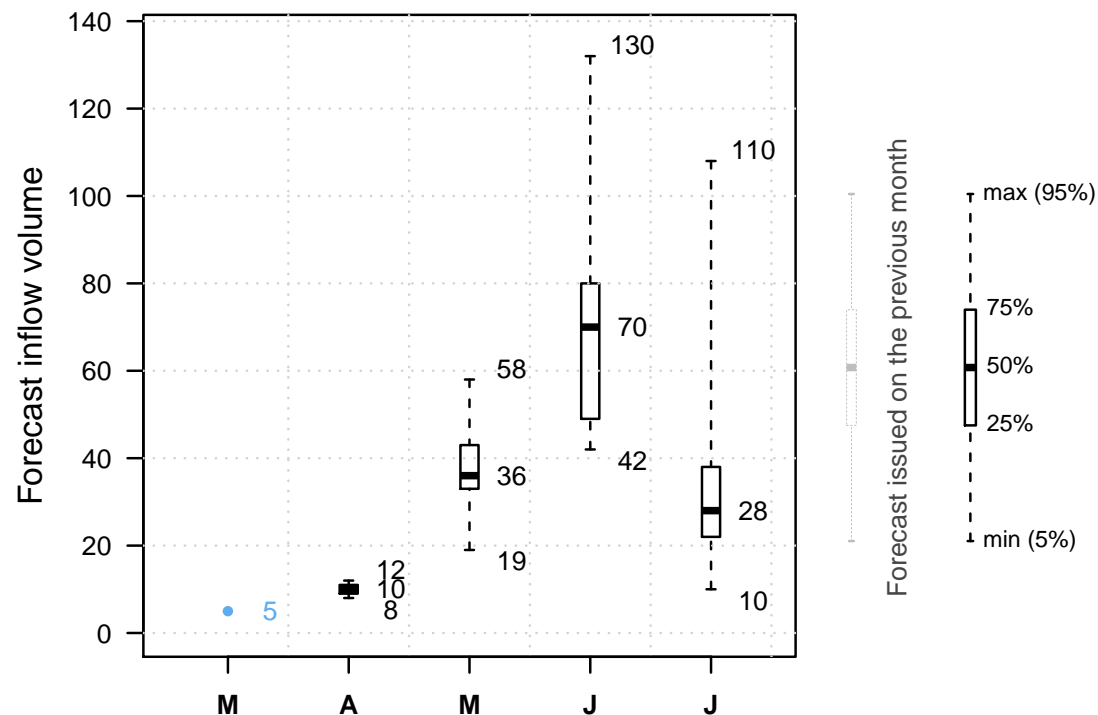


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

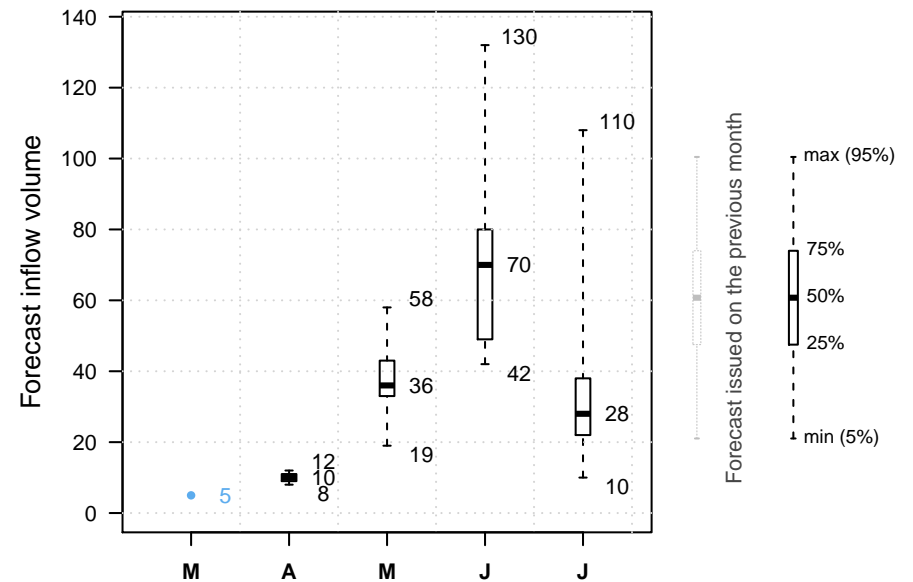
**NEXT**



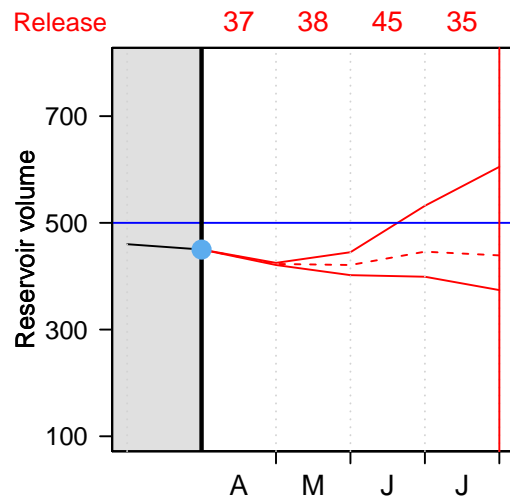
It is April 1st.

And our volunteer?

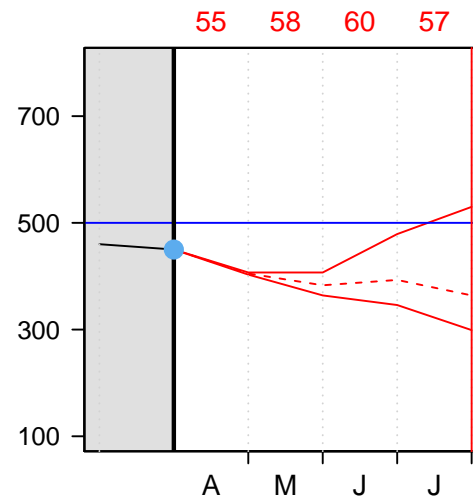
Let's see which release option our volunteer will choose.



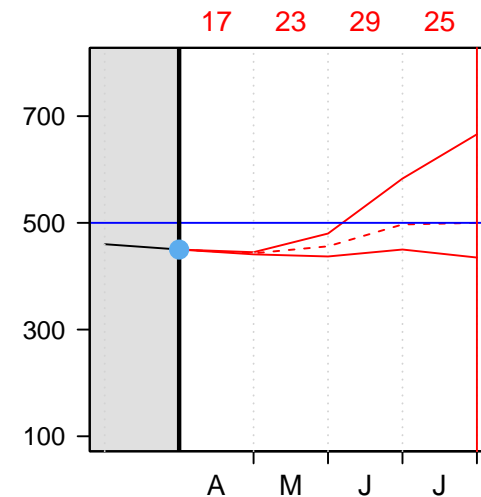
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

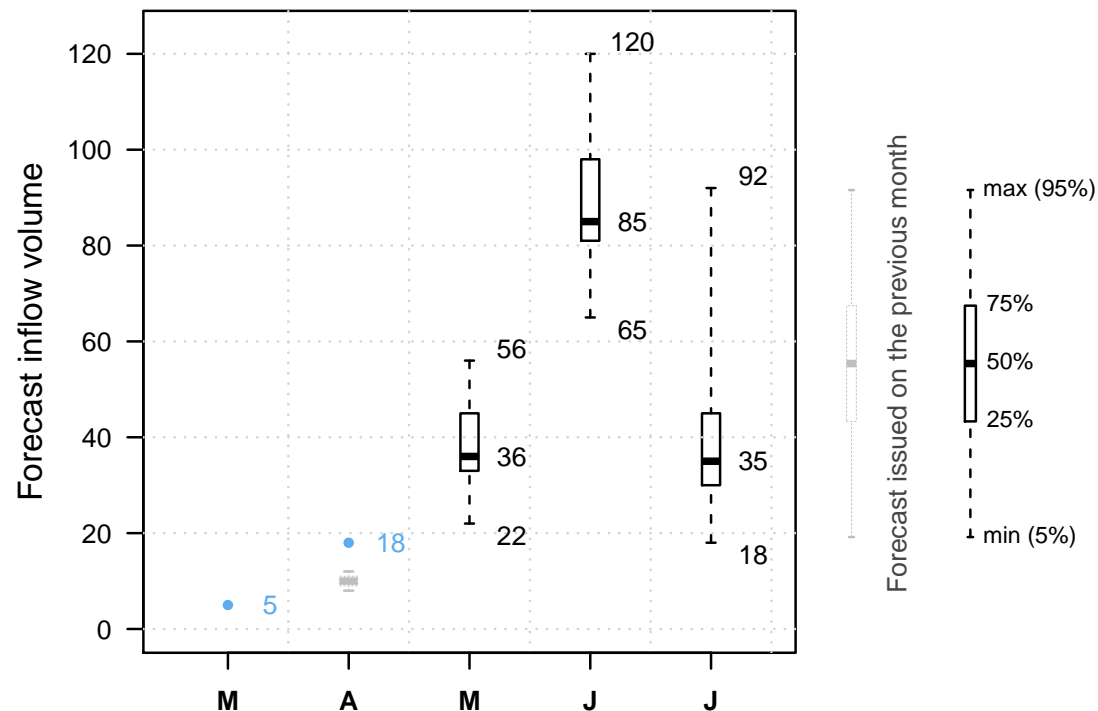


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



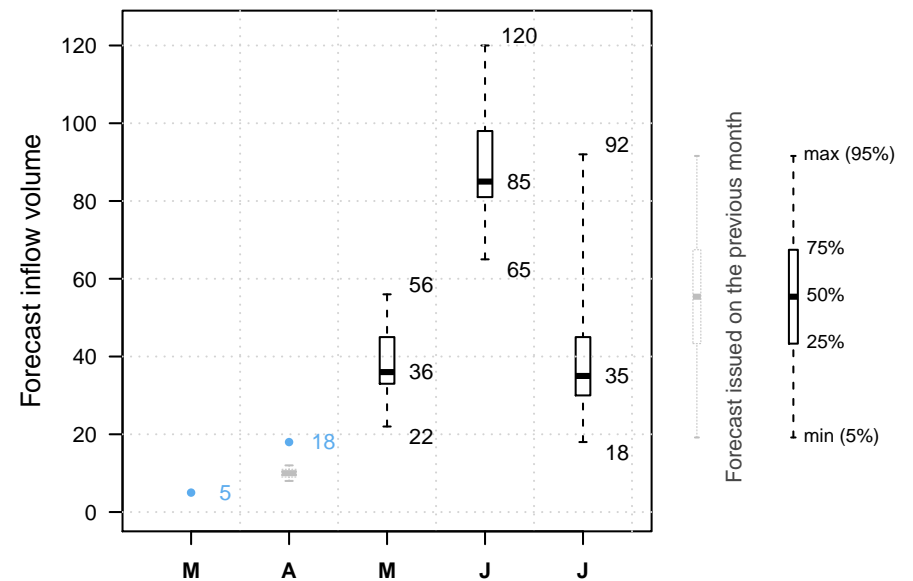
Previous decisions: C



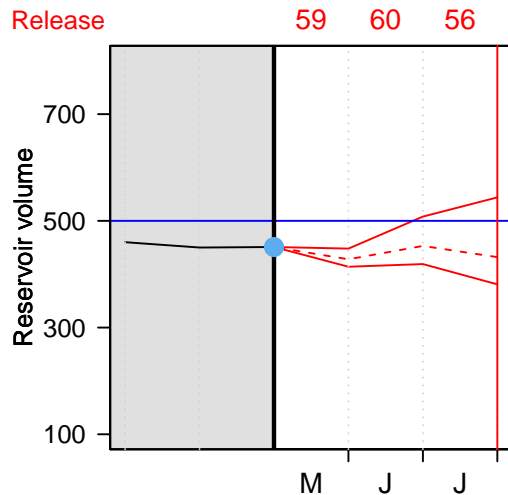
It is May 1st.

And our volunteer?

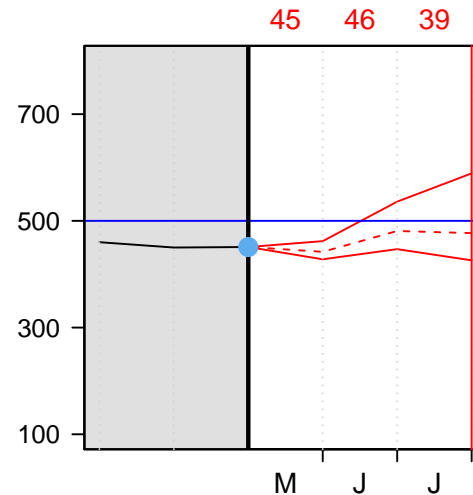
Let's see which release option our volunteer will choose.



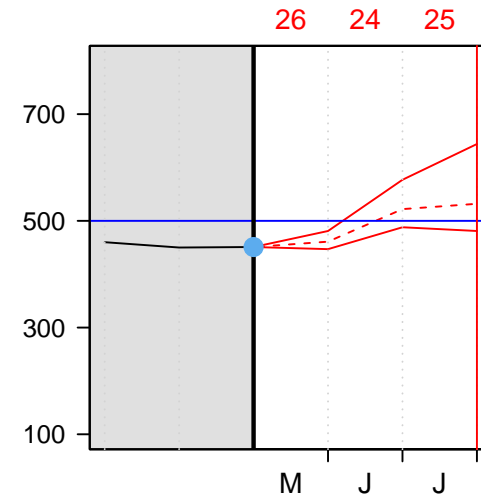
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

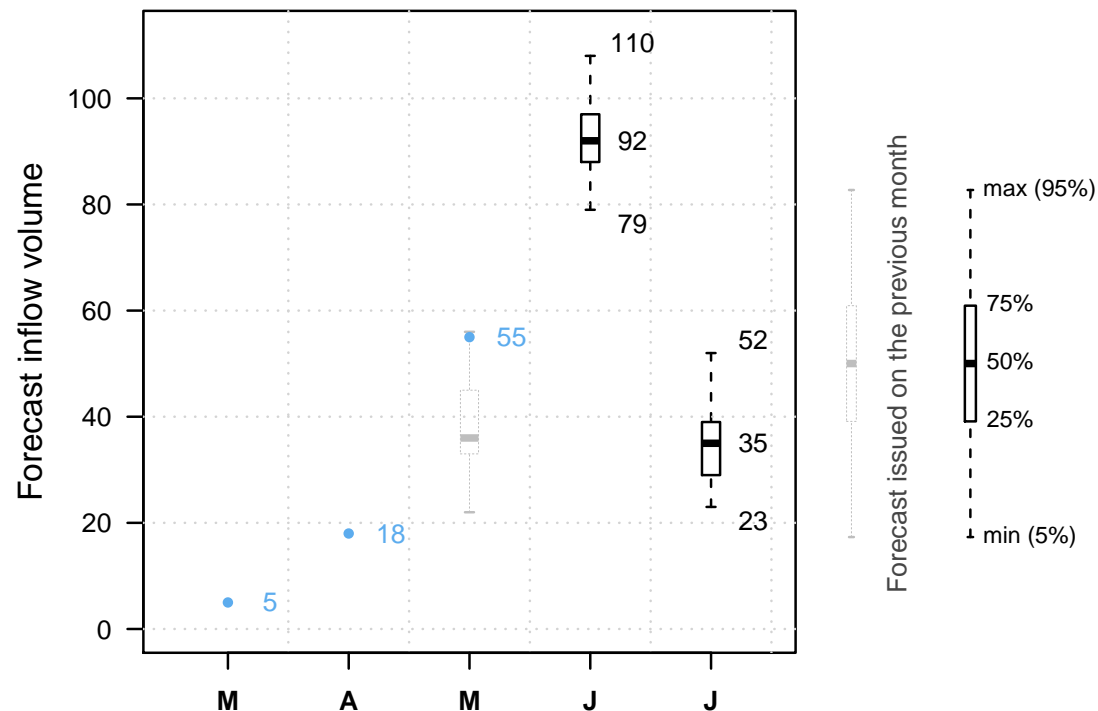


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

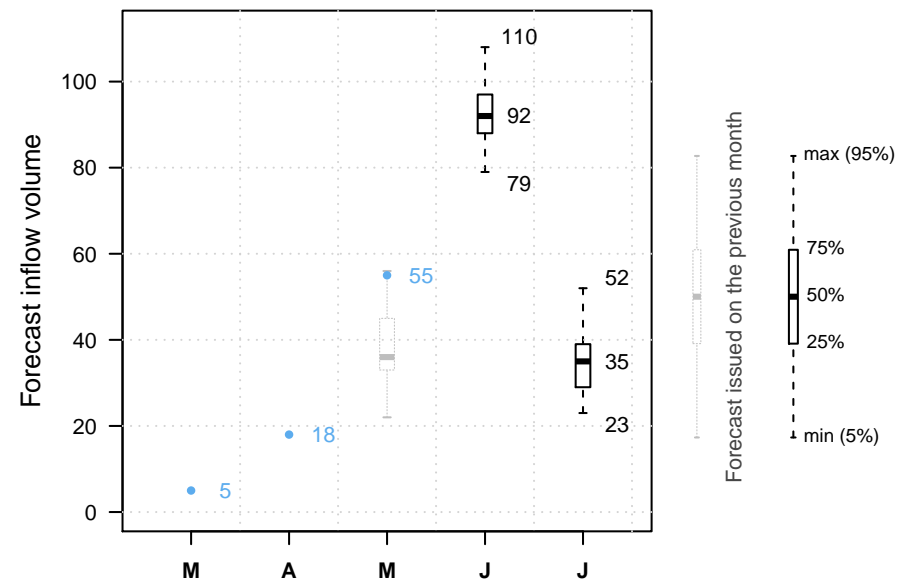
Previous decisions: C B



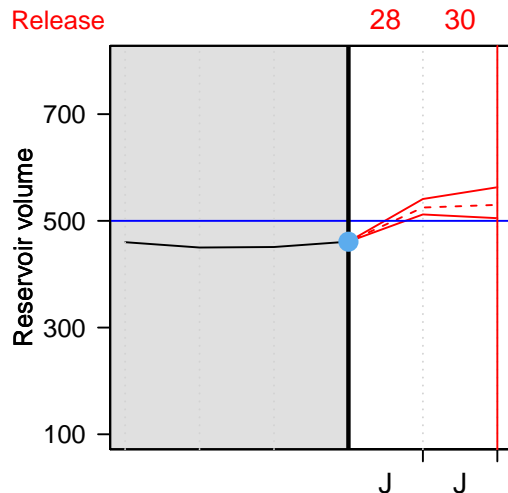
It is June 1st.

And our volunteer?

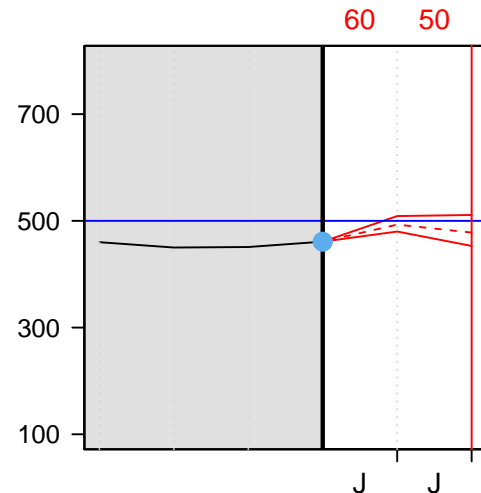
Let's see which release option our volunteer will choose.



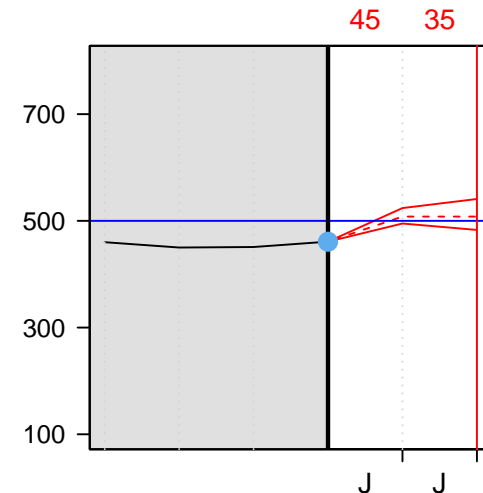
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 536 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

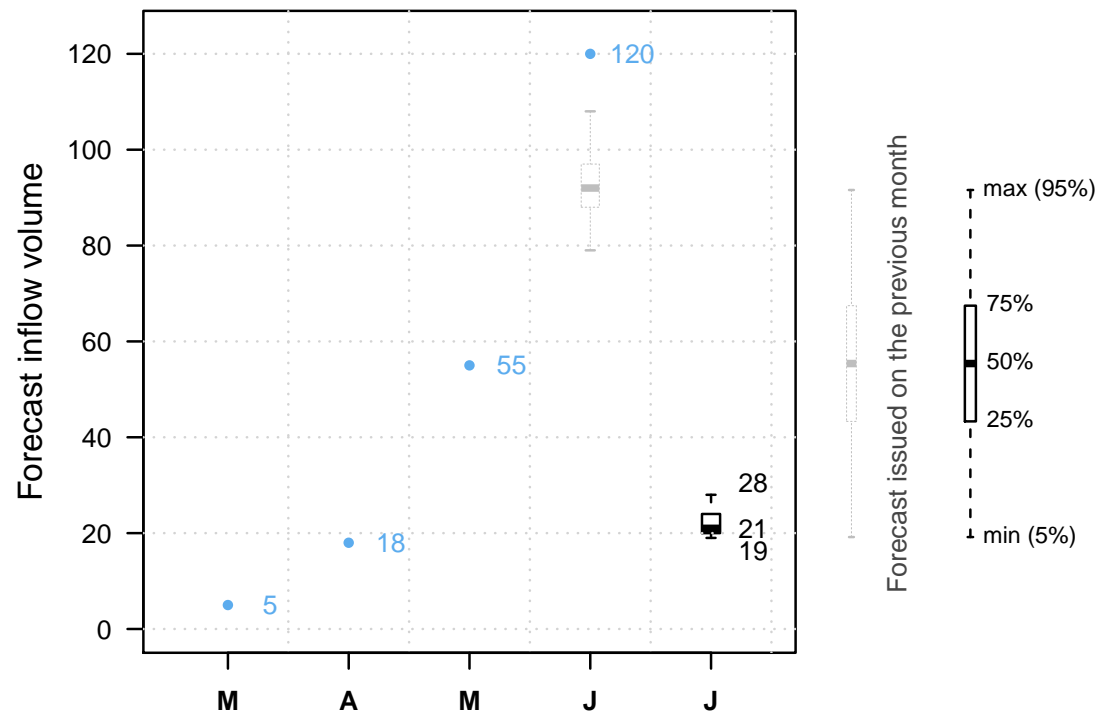


It is July 1st.

The reservoir is at  $536 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.



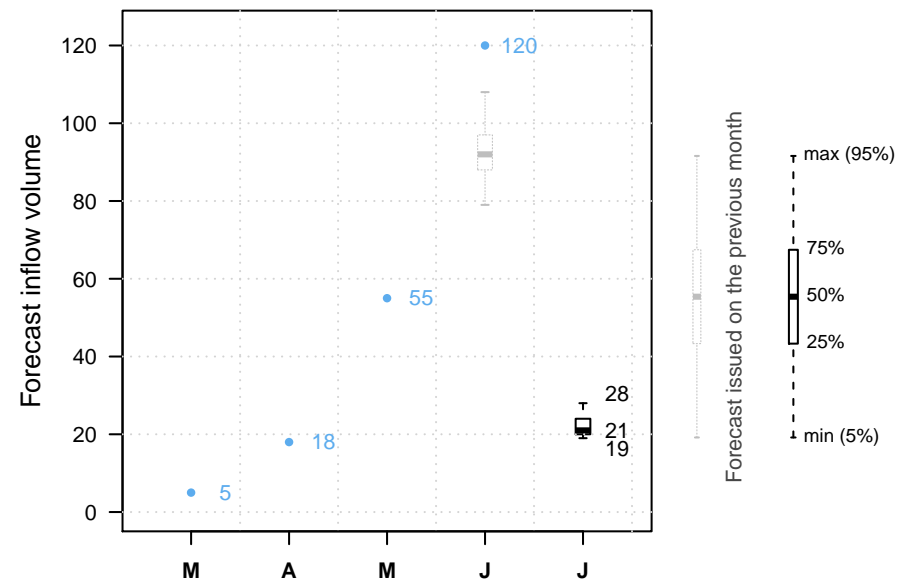
Previous decisions: C B C



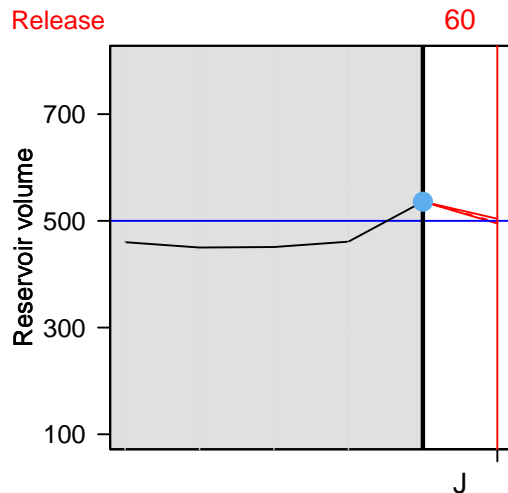
It is July 1st.

And our volunteer?

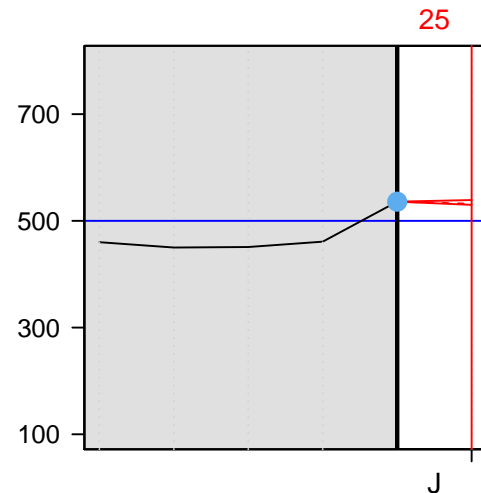
Let's see which release option our volunteer will choose.



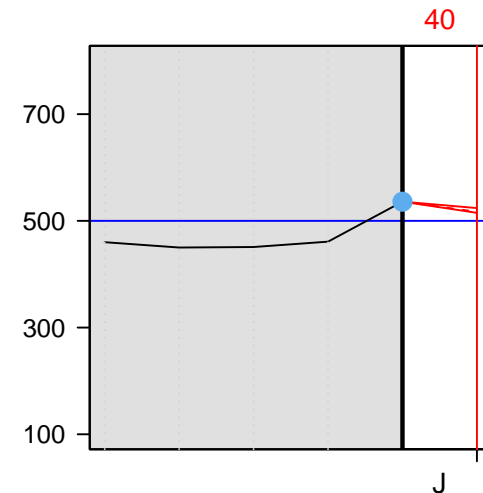
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$536 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

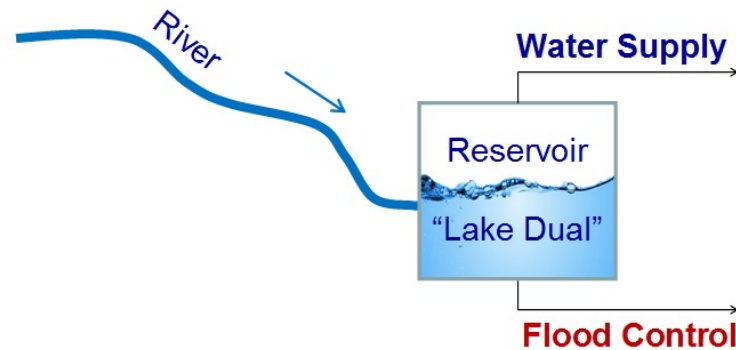
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



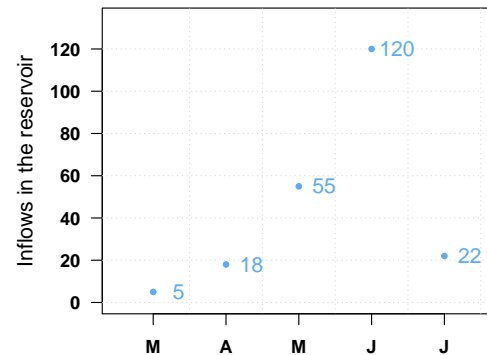
Swof Town



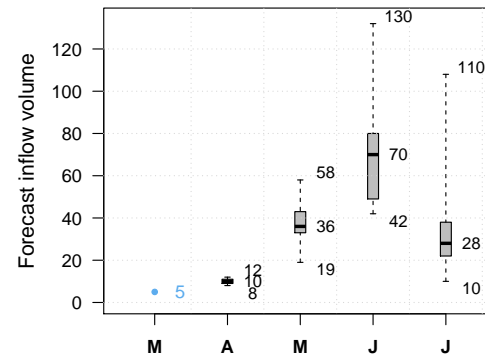
Safe Town



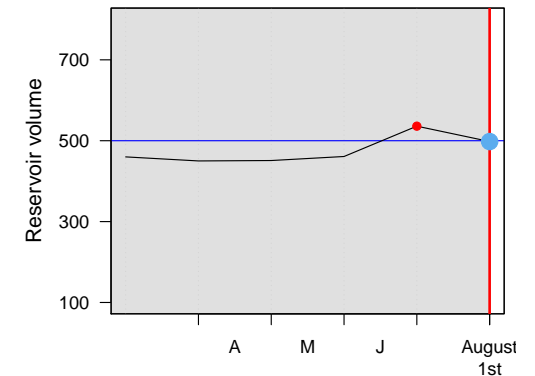
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

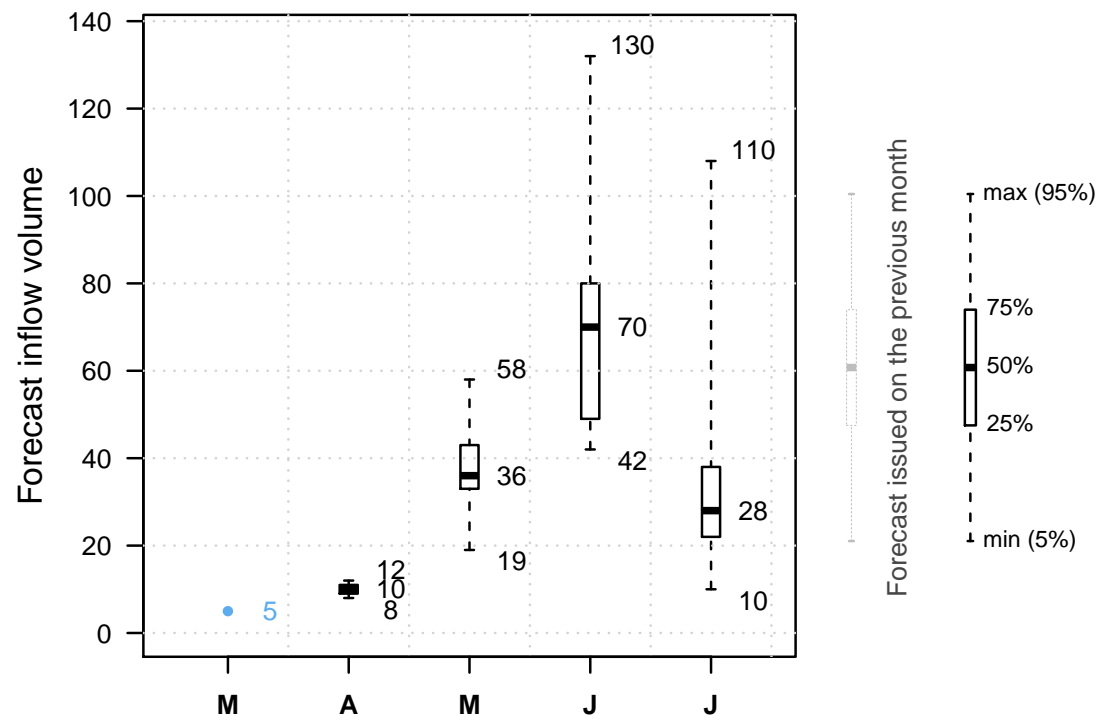


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

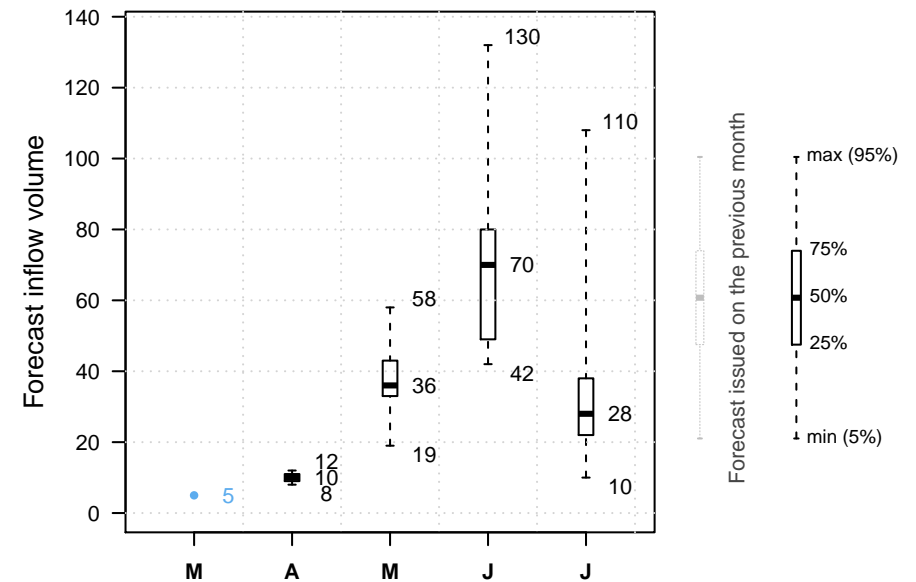
NEXT



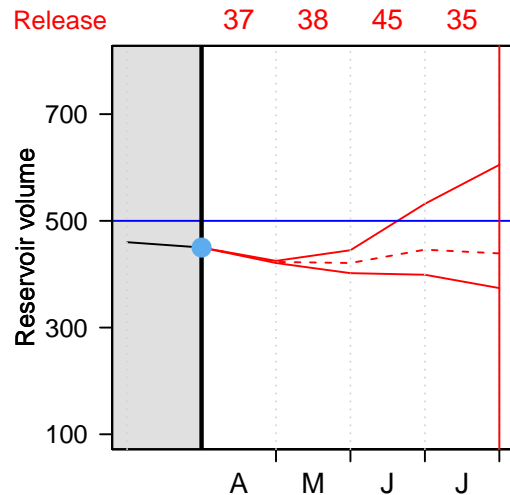
It is April 1st.

And our volunteer?

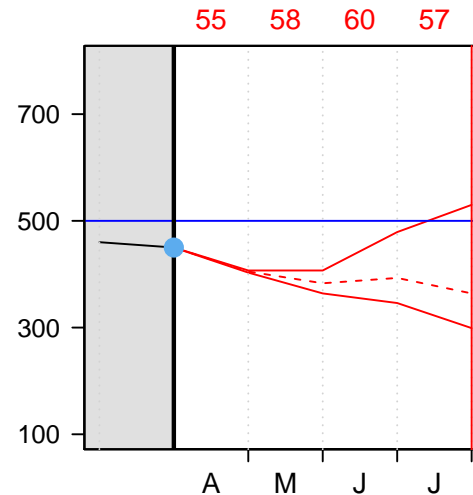
Let's see which release option our volunteer will choose.



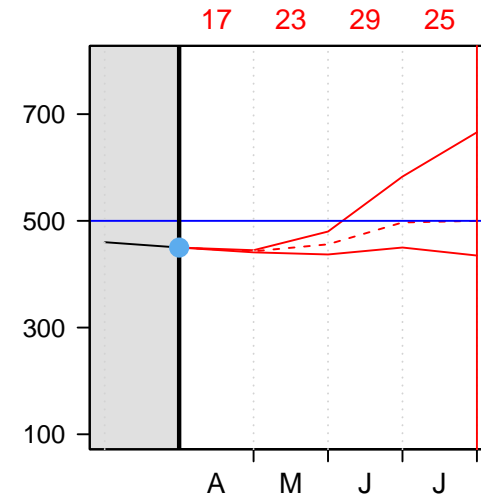
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



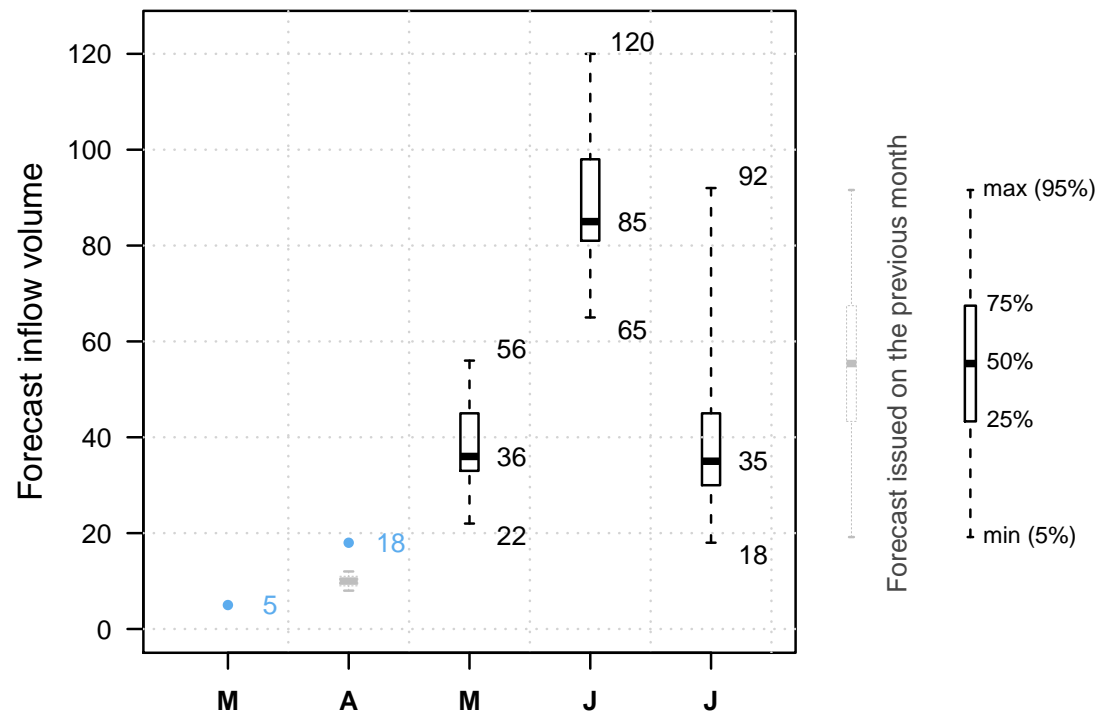


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

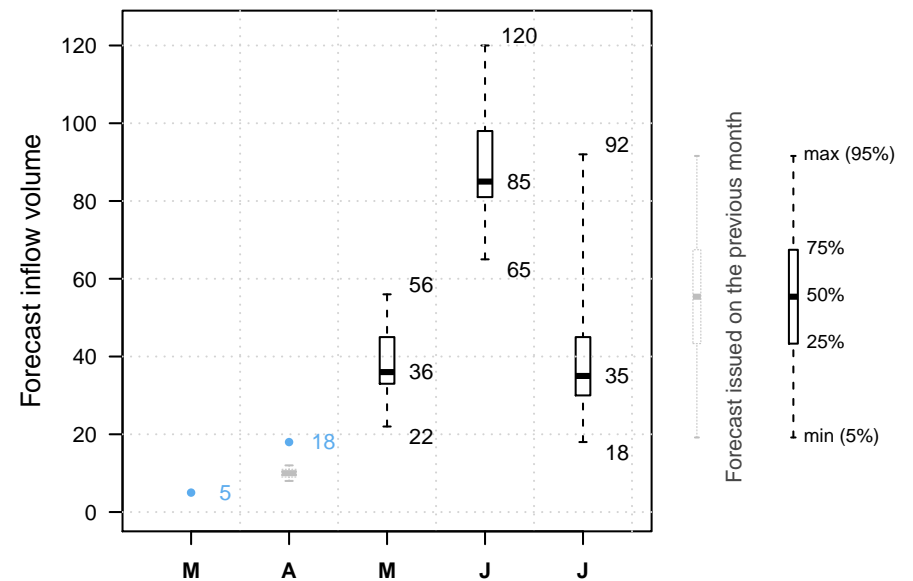
Previous decisions: A



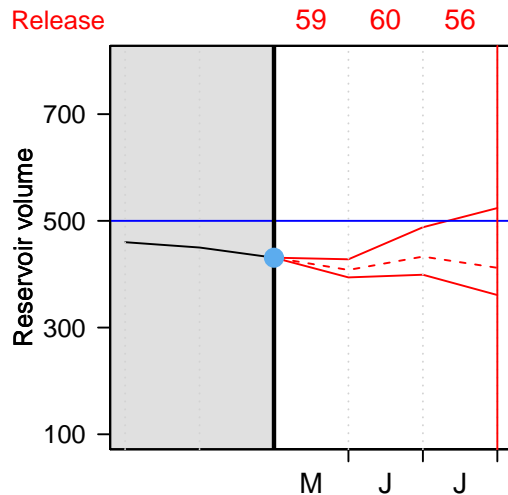
It is May 1st.

And our volunteer?

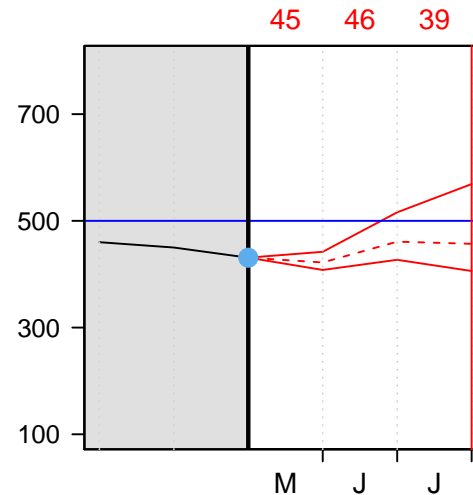
Let's see which release option our volunteer will choose.



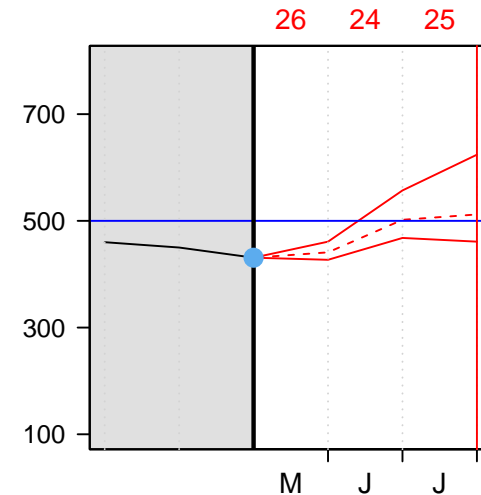
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

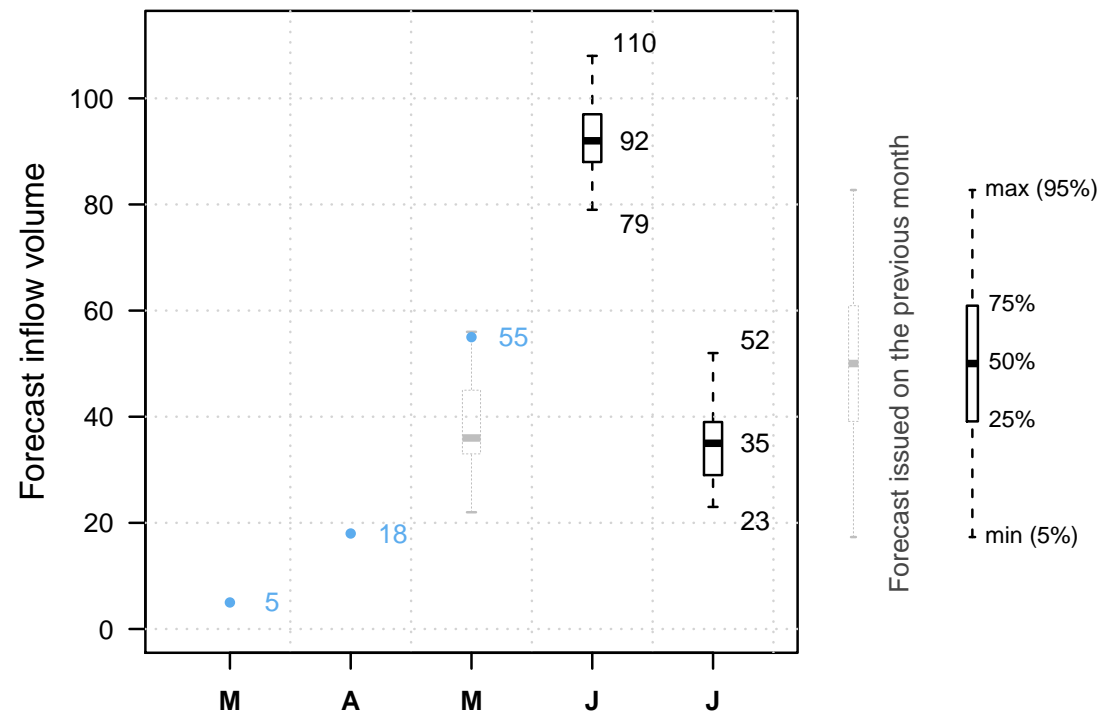


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

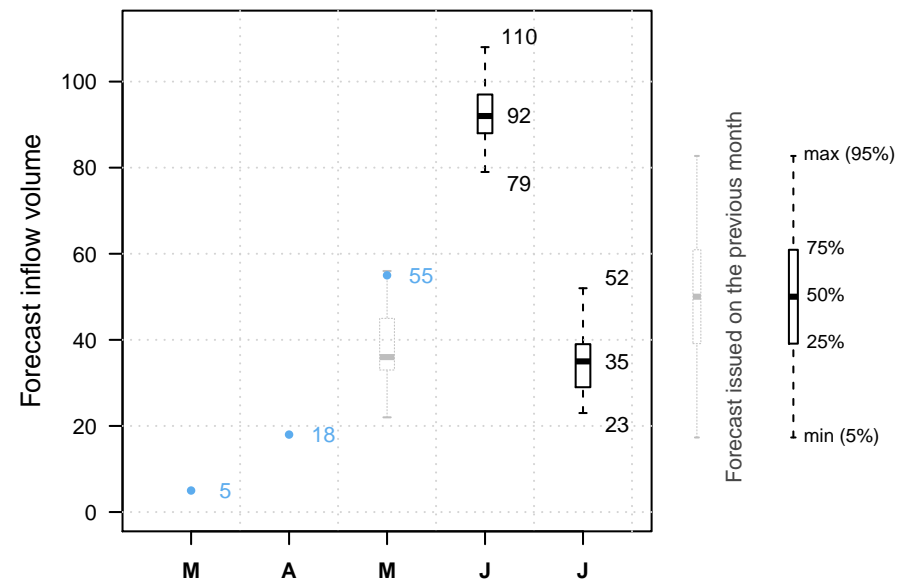
Previous decisions: A C



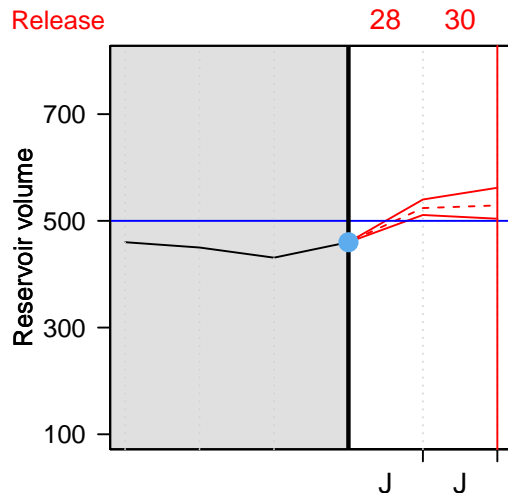
It is June 1st.

And our volunteer?

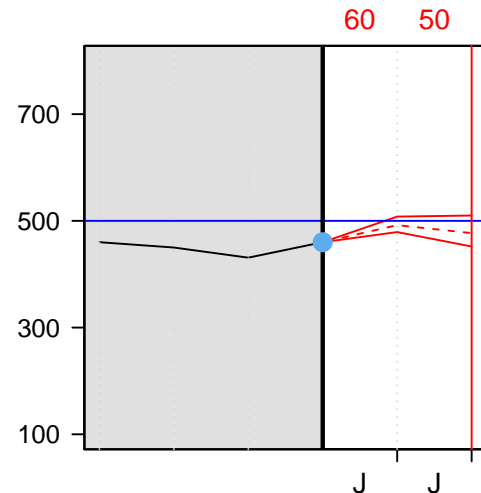
Let's see which release option our volunteer will choose.



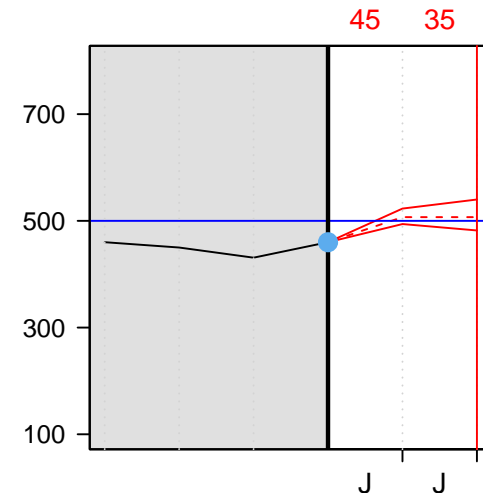
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 535 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



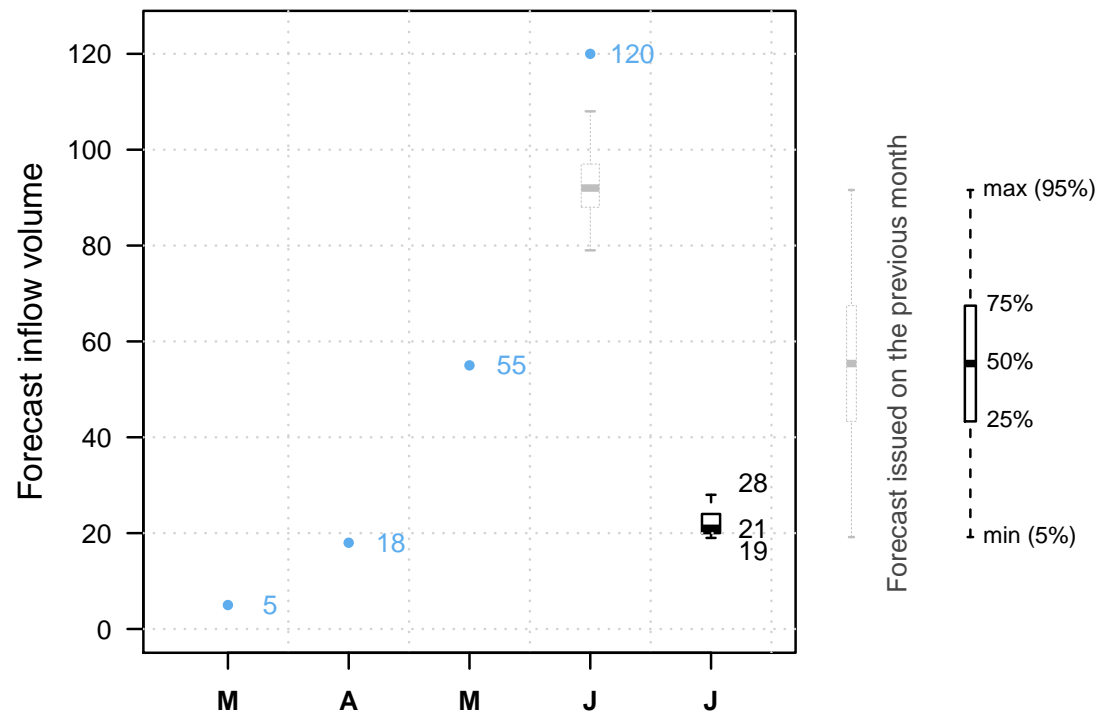


It is July 1st.

The reservoir is at 535  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

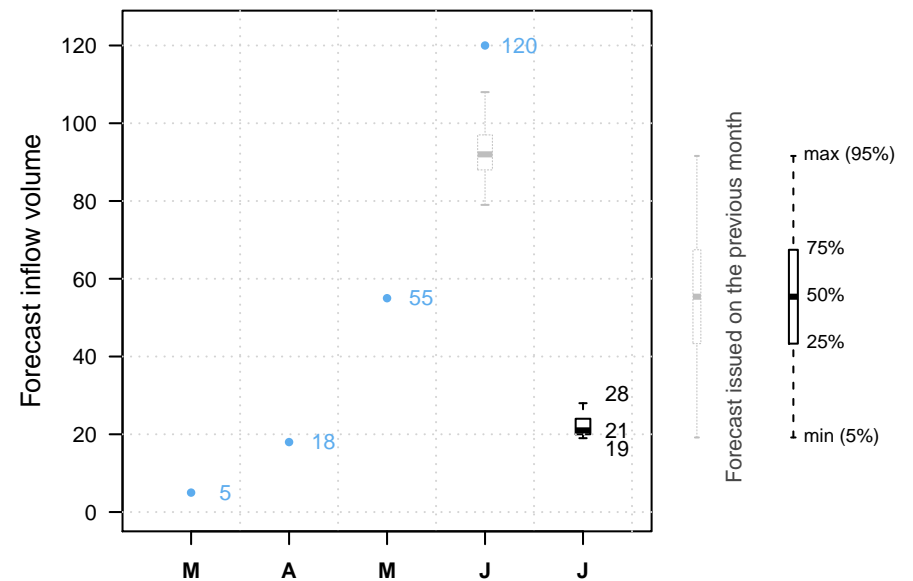
Previous decisions: A C C



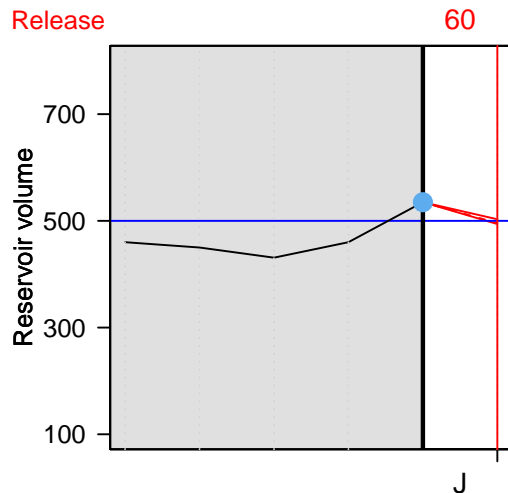
It is July 1st.

And our volunteer?

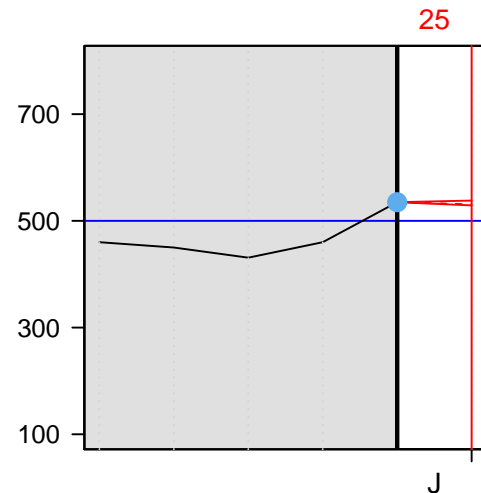
Let's see which release option our volunteer will choose.



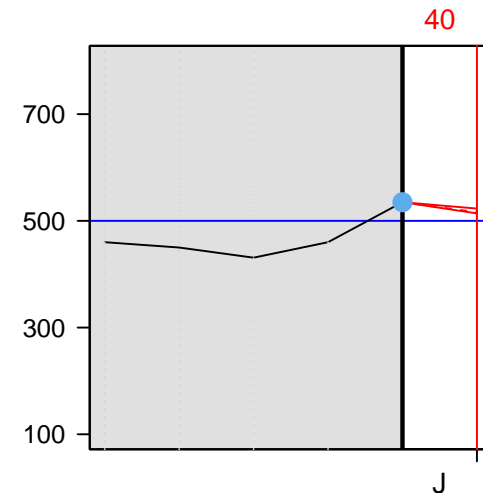
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$535 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 497 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

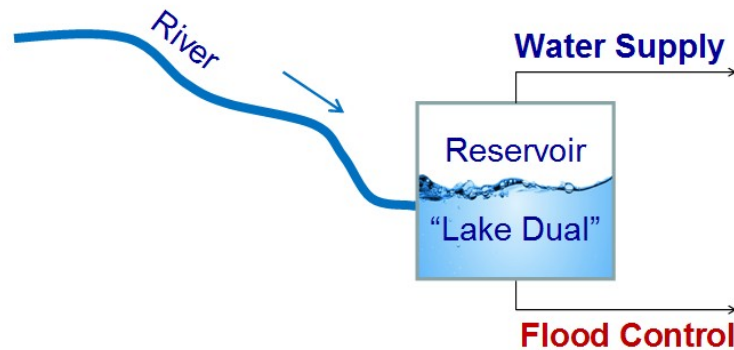
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



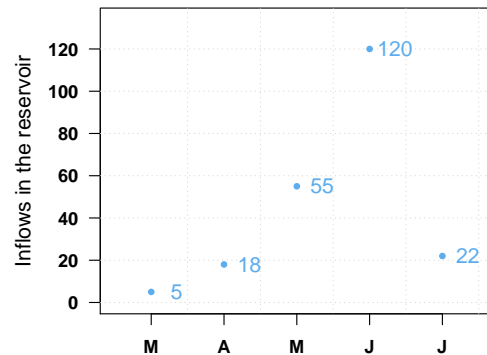
Swof Town



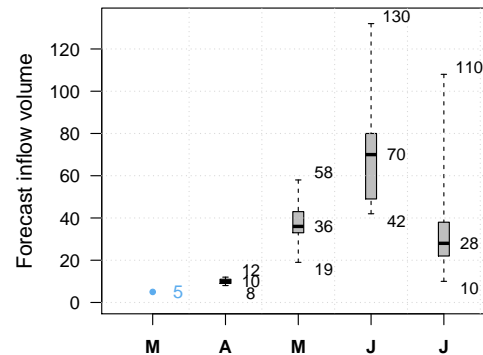
Safe Town



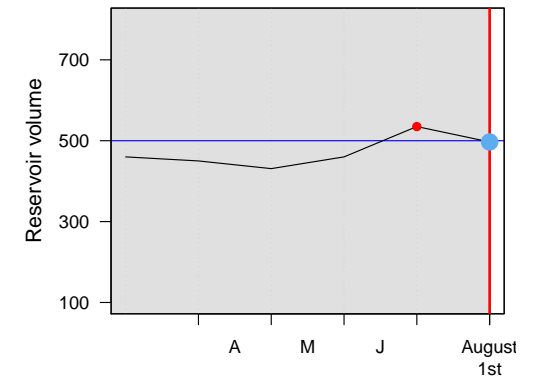
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

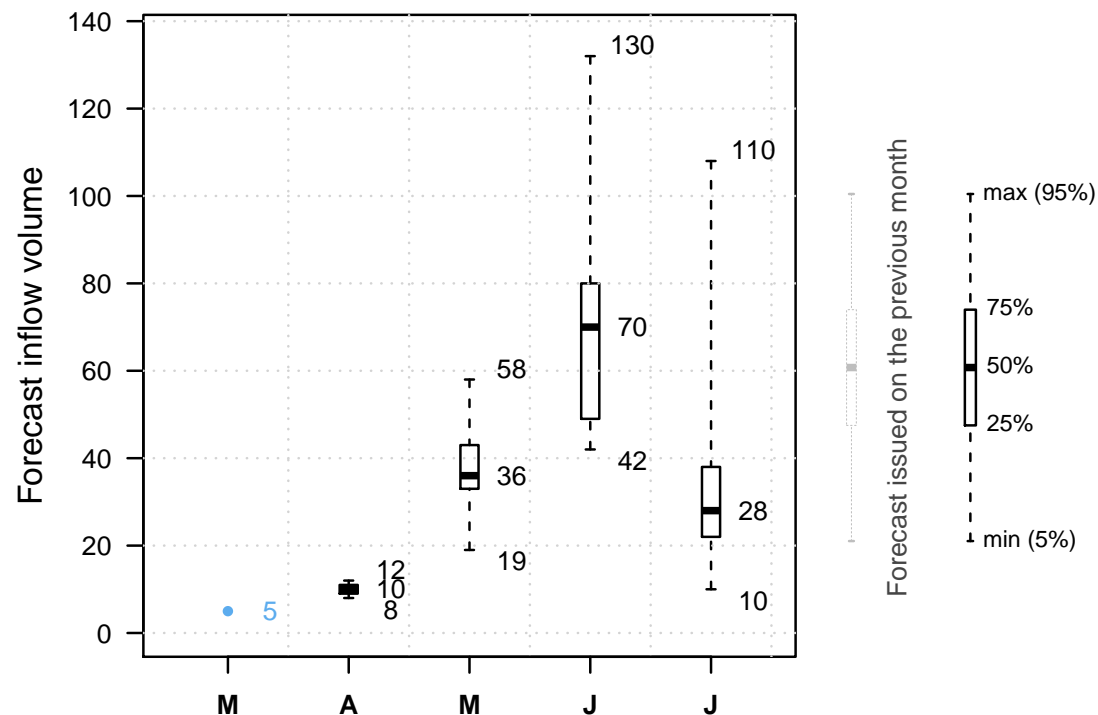


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

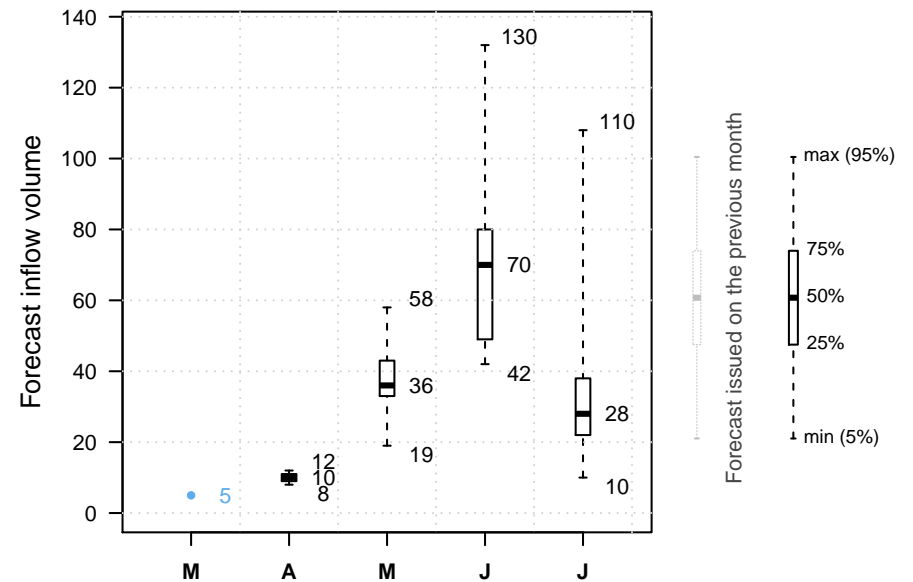
**NEXT**



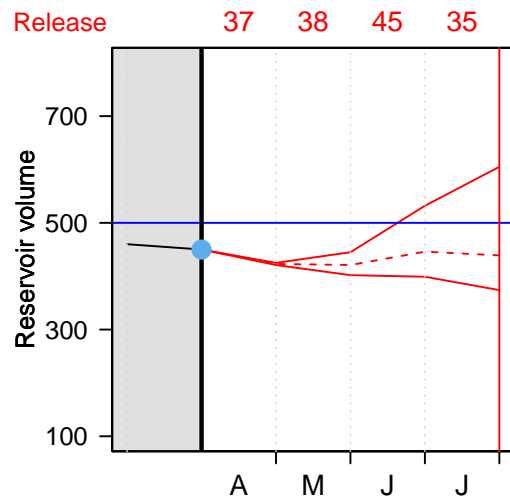
It is April 1st.

And our volunteer?

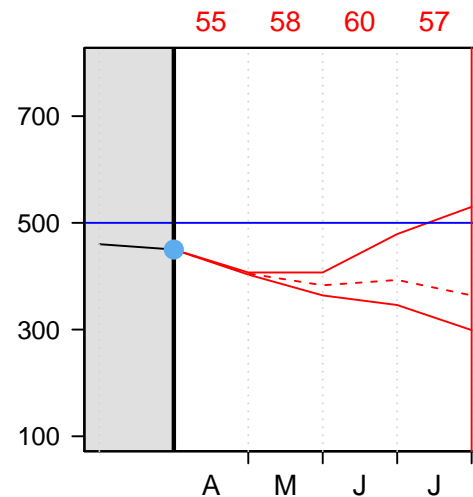
Let's see which release option our volunteer will choose.



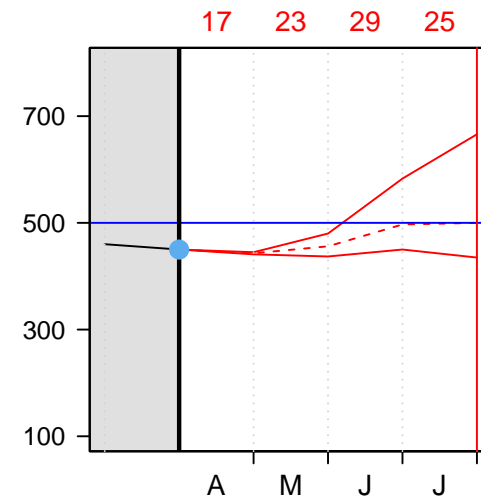
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

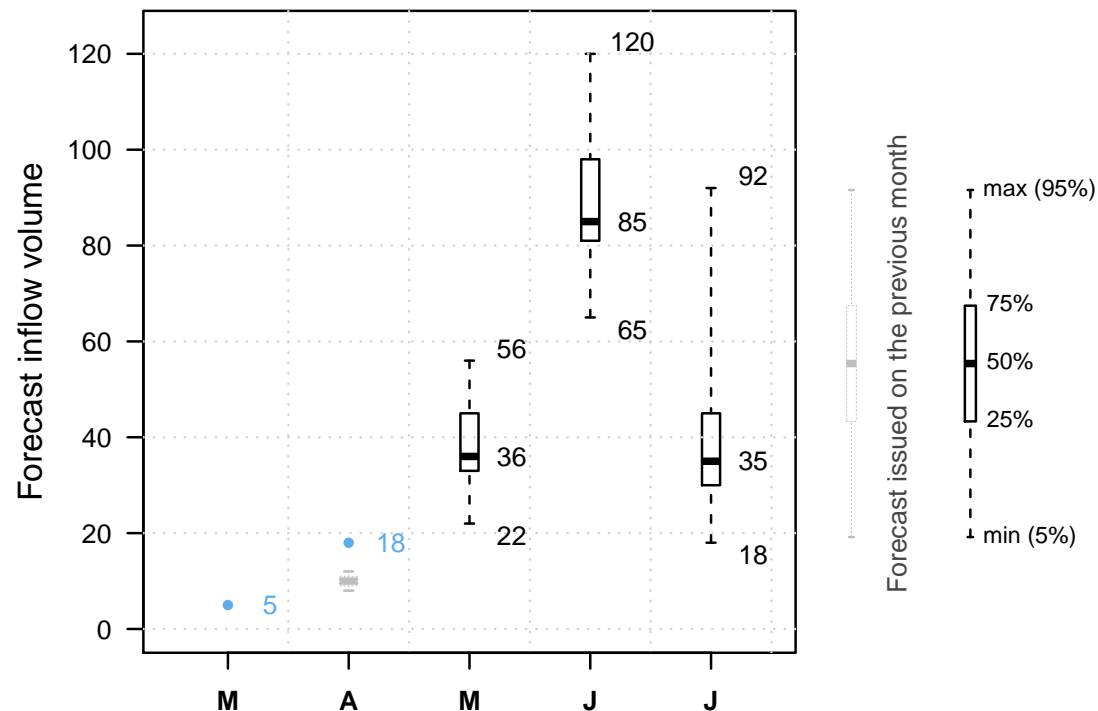


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

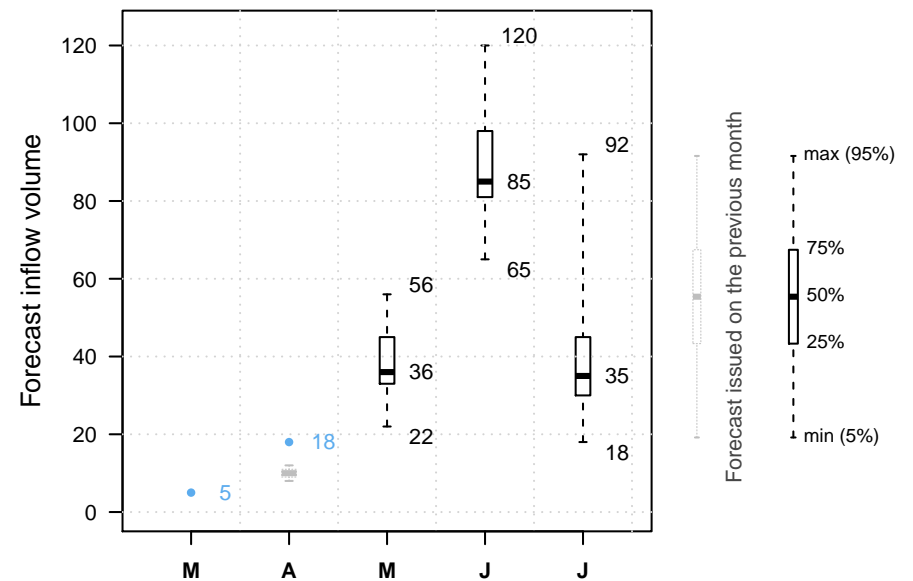
Previous decisions: B



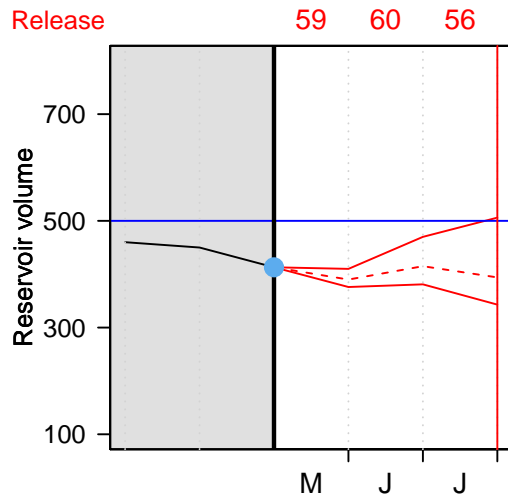
It is May 1st.

And our volunteer?

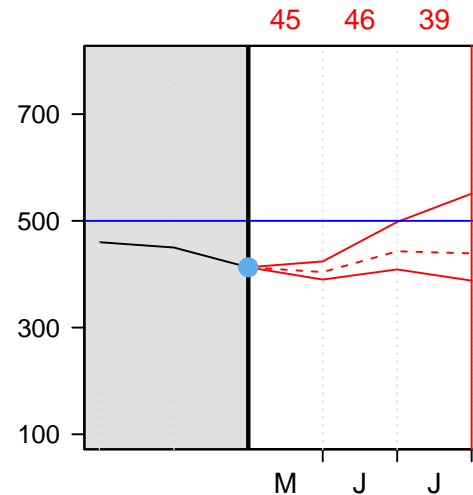
Let's see which release option our volunteer will choose.



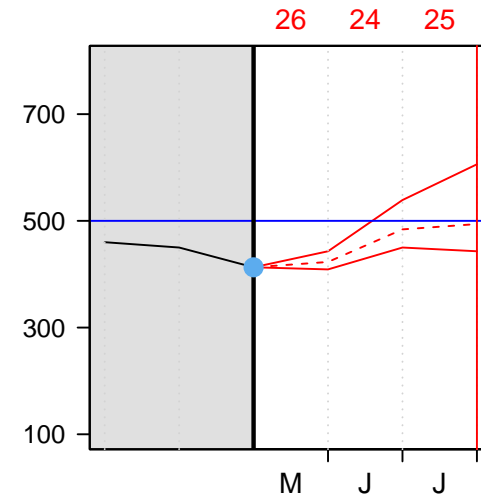
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

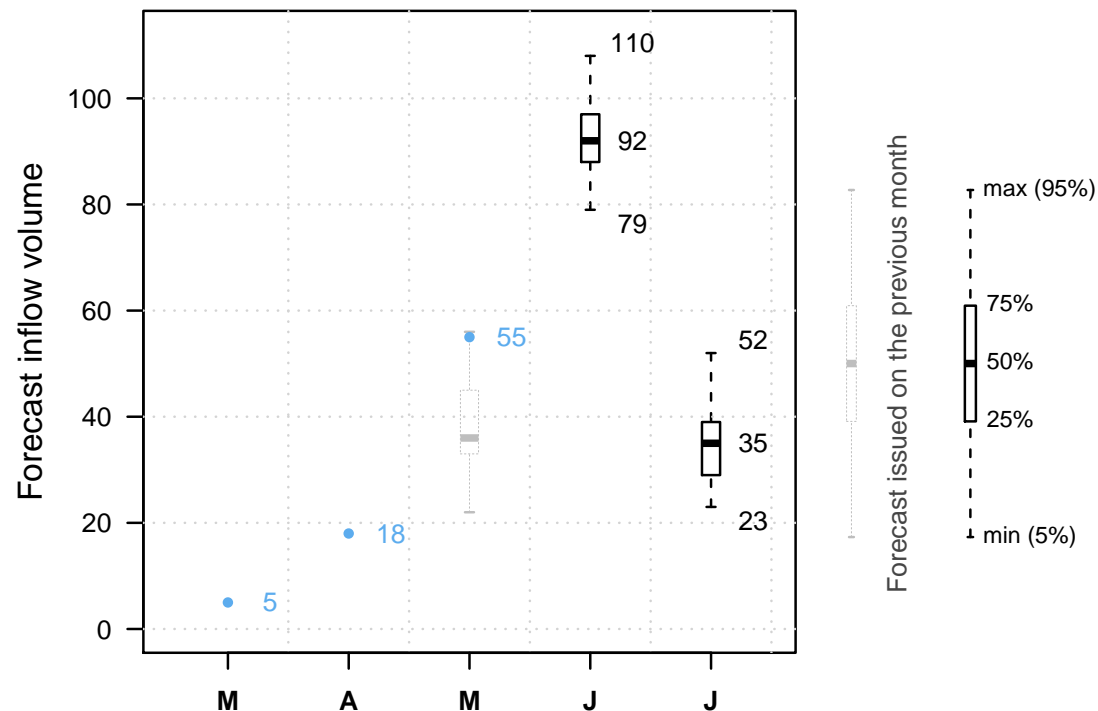


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

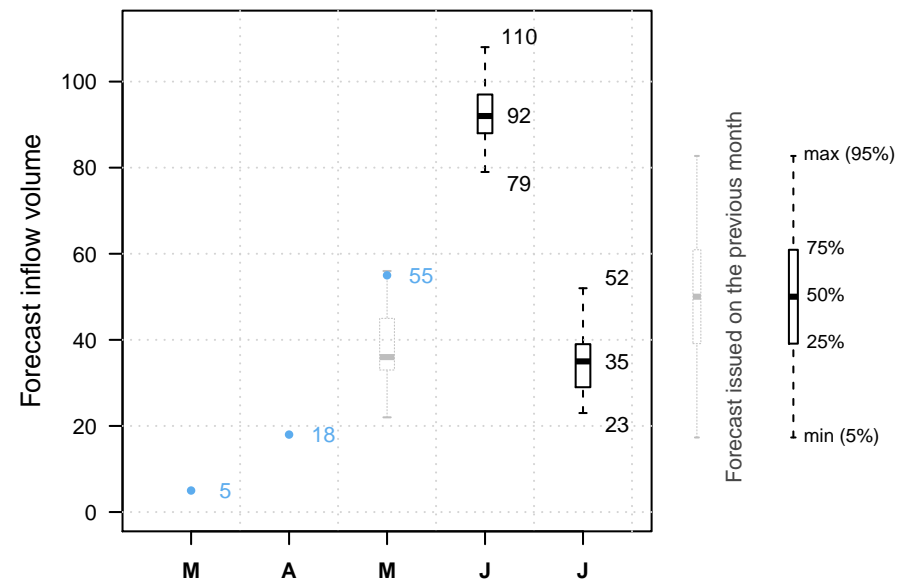
Previous decisions: B C



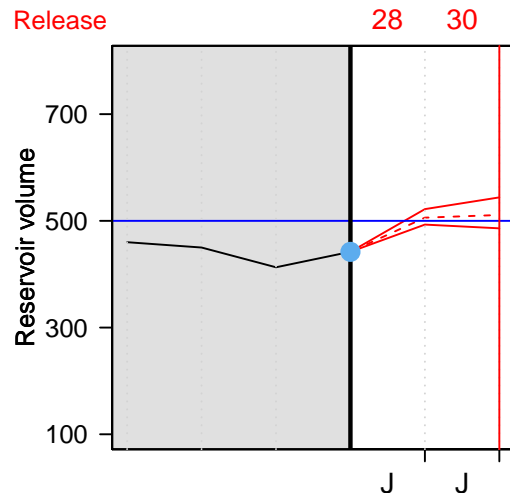
It is June 1st.

And our volunteer?

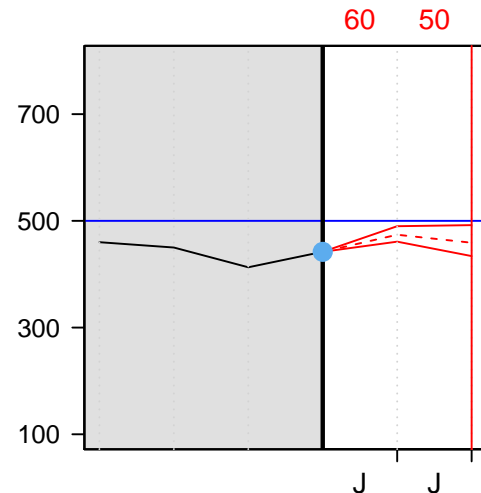
Let's see which release option our volunteer will choose.



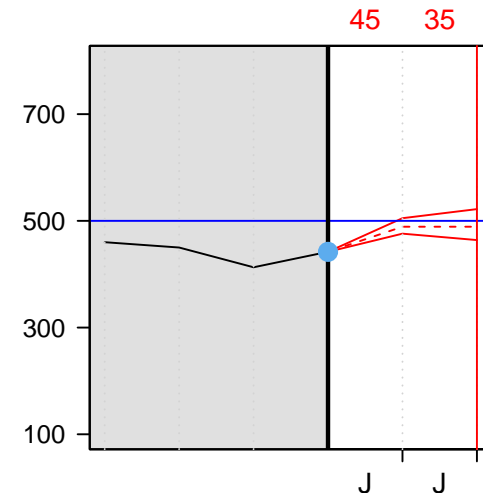
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

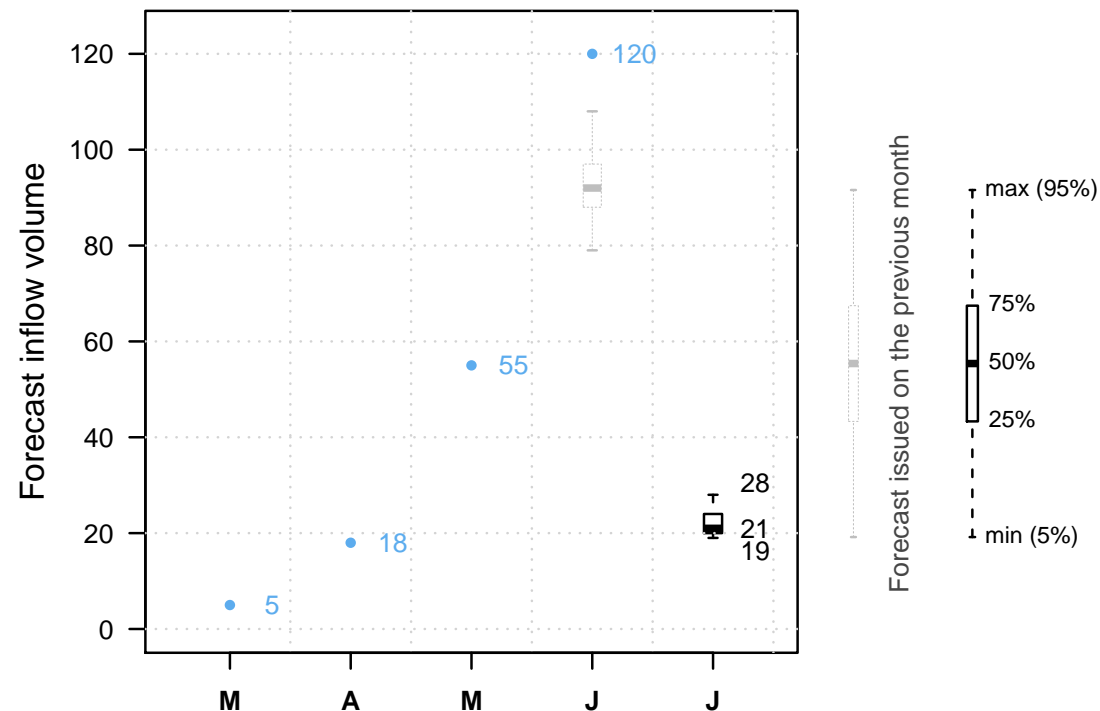


It is July 1st.

The reservoir is at  $517 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

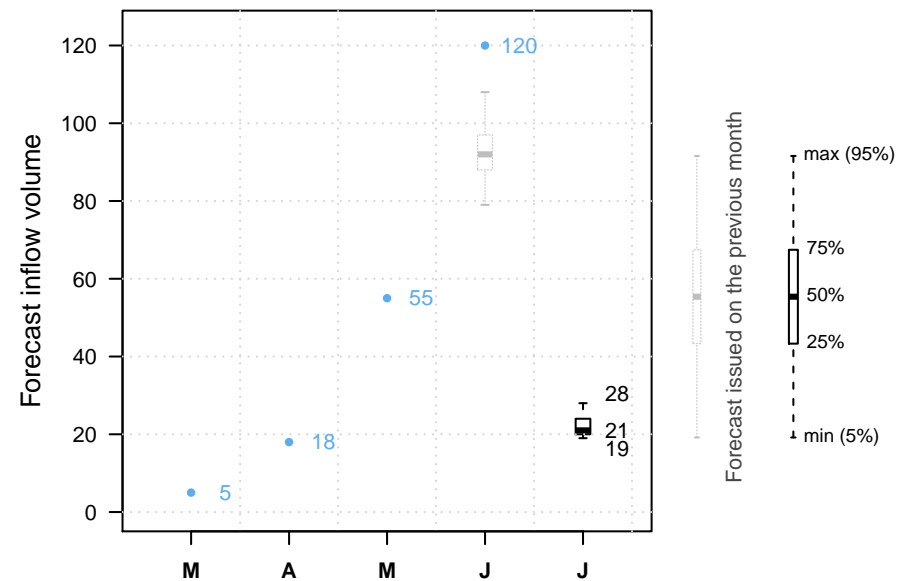
Previous decisions: B C C



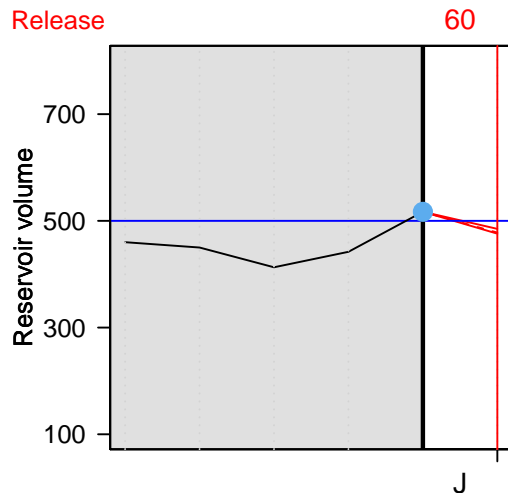
It is July 1st.

And our volunteer?

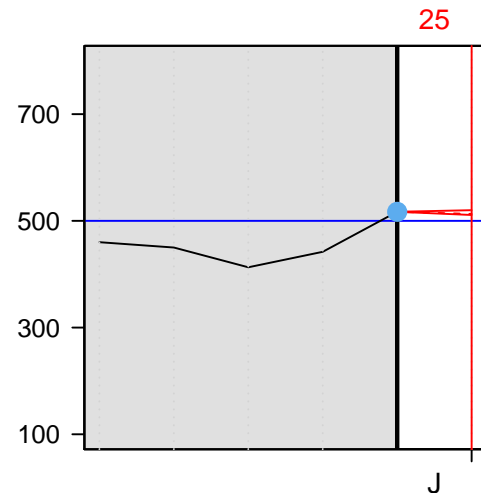
Let's see which release option our volunteer will choose.



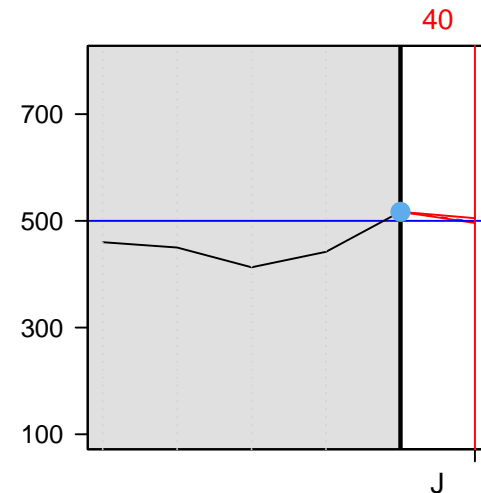
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$517 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 479 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

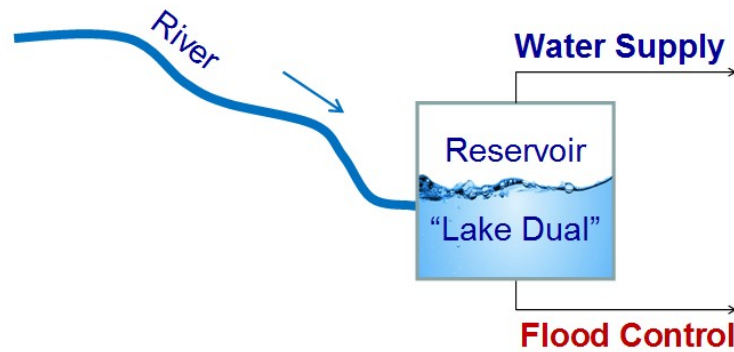
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



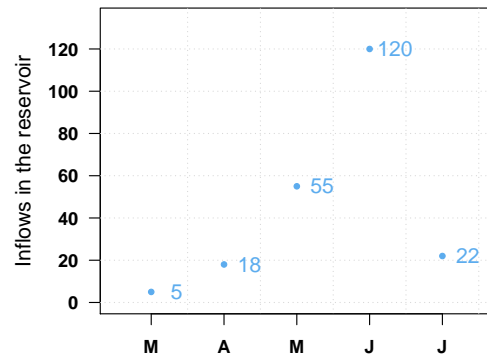
Swof Town



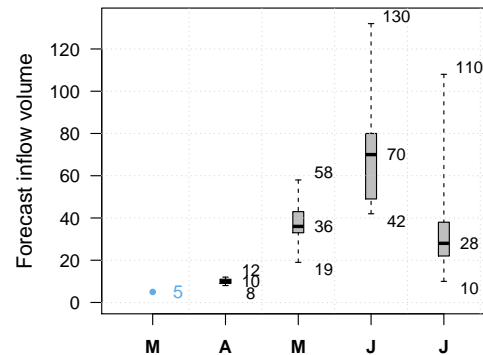
Safe Town



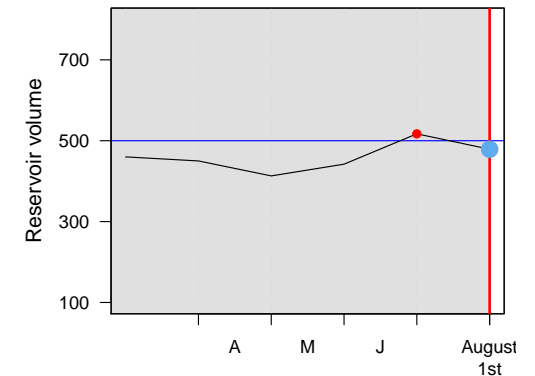
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

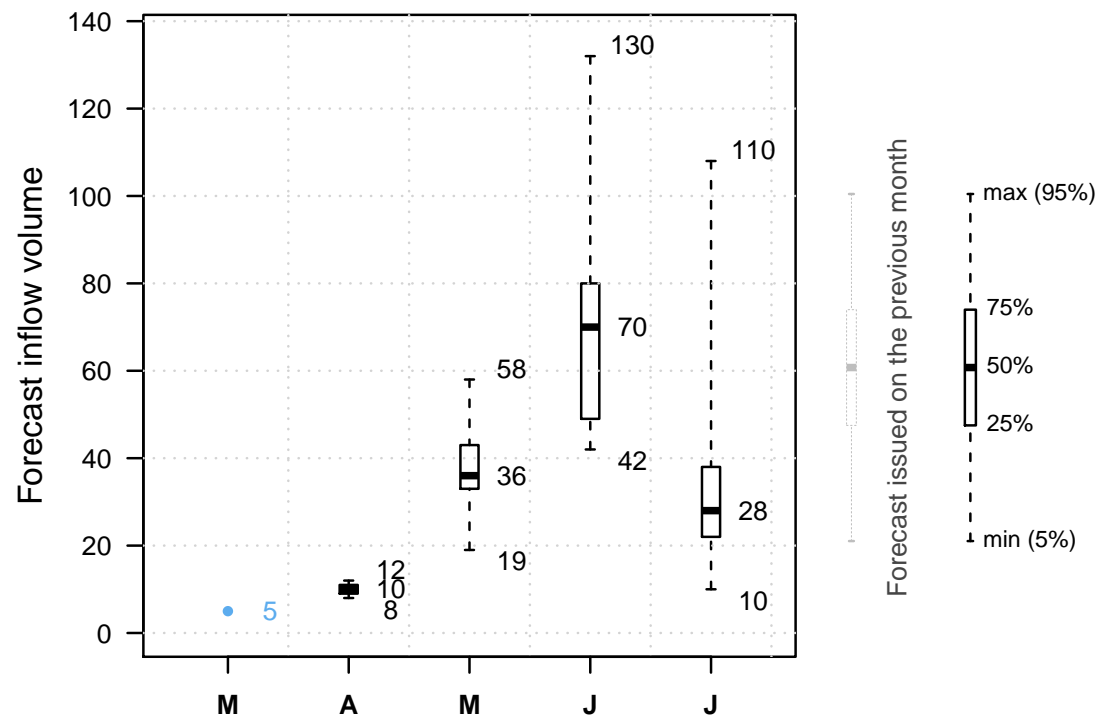


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

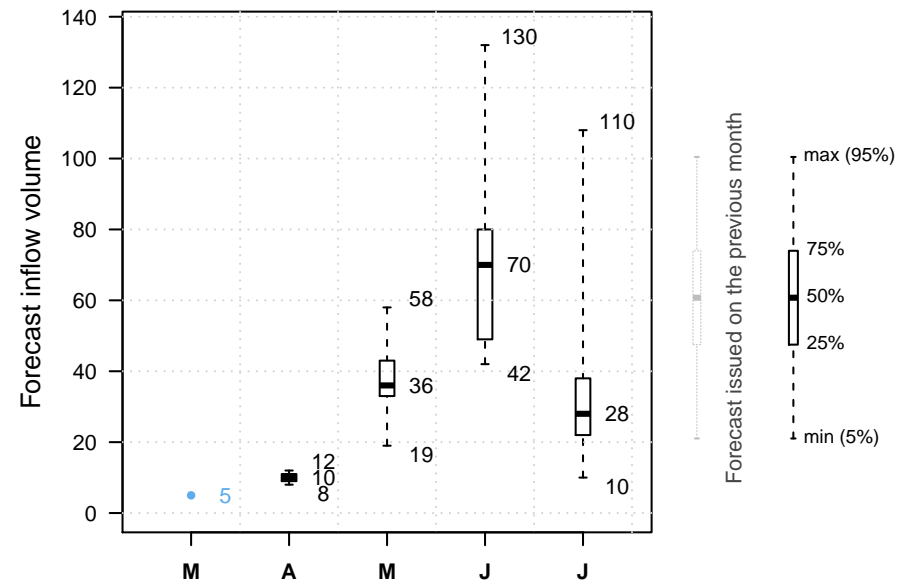
**NEXT**



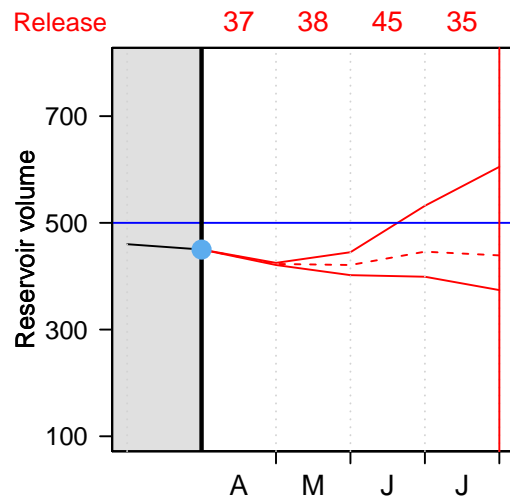
It is April 1st.

And our volunteer?

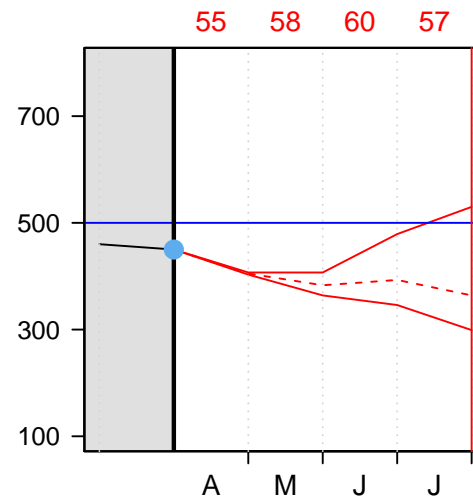
Let's see which release option our volunteer will choose.



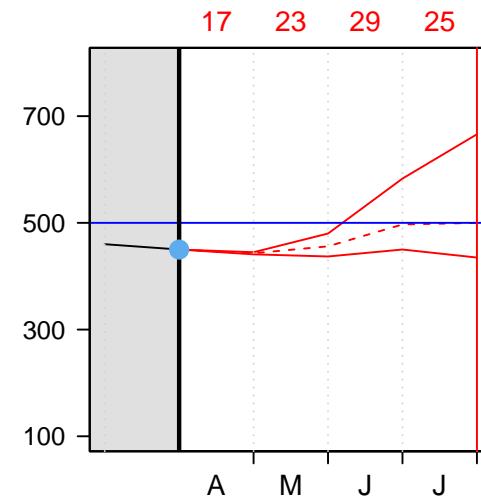
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

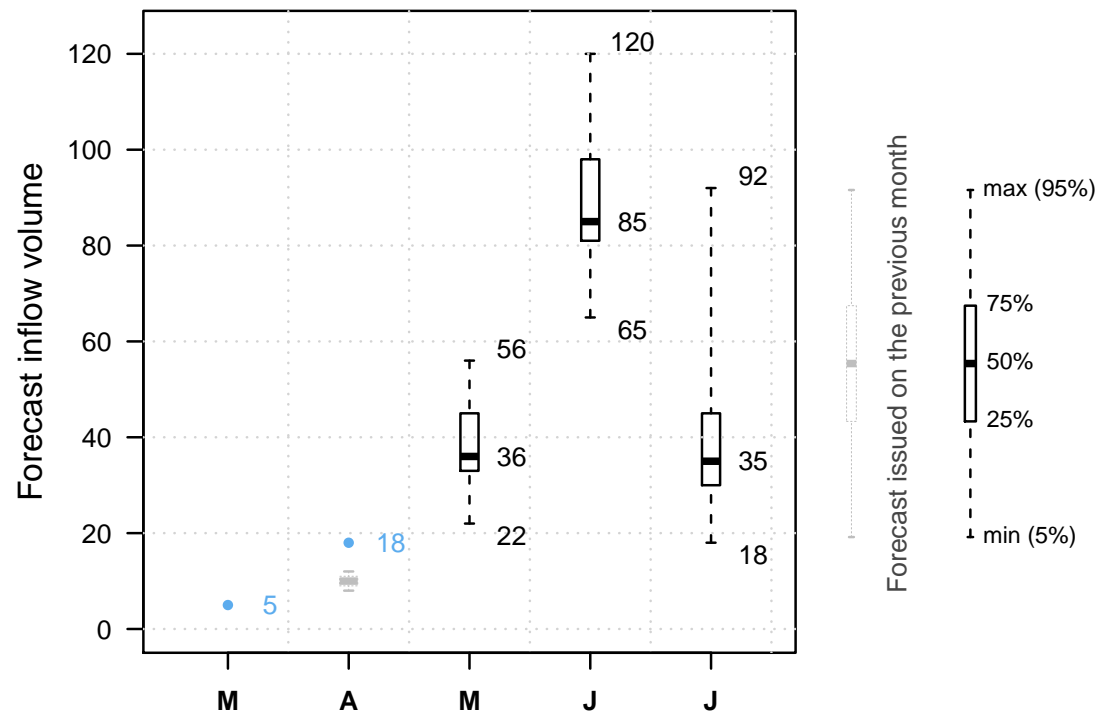


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

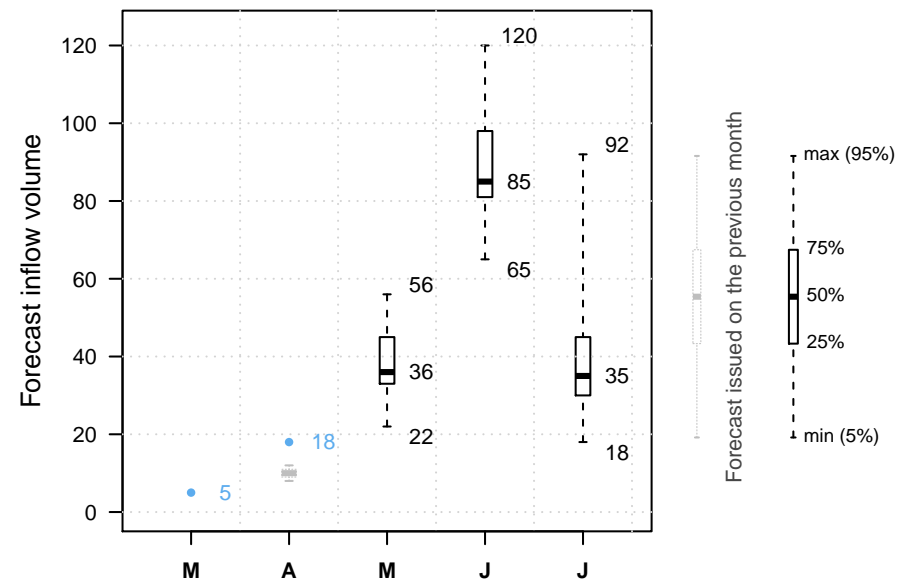
Previous decisions: C



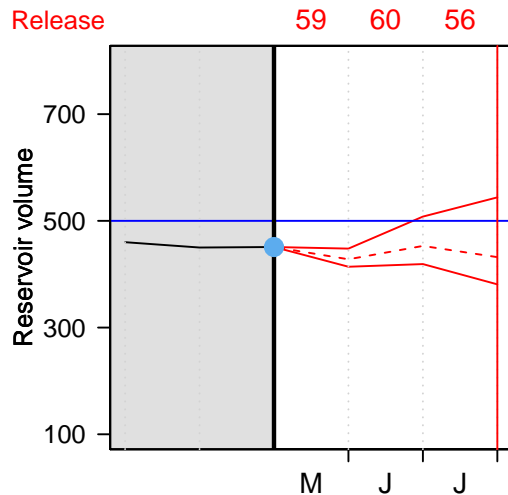
It is May 1st.

And our volunteer?

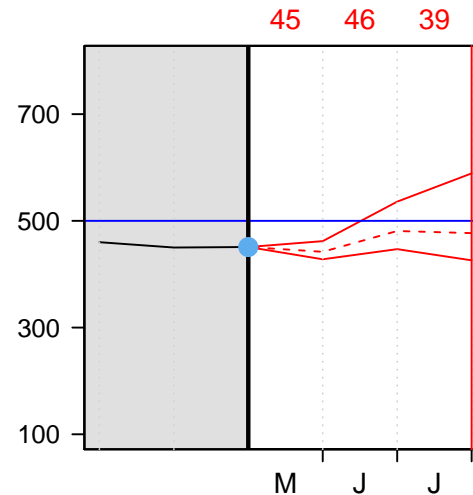
Let's see which release option our volunteer will choose.



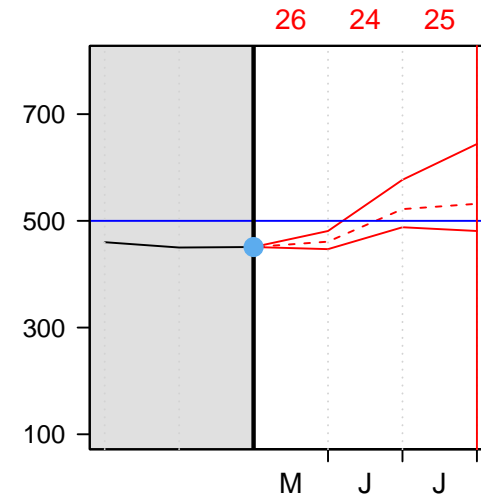
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

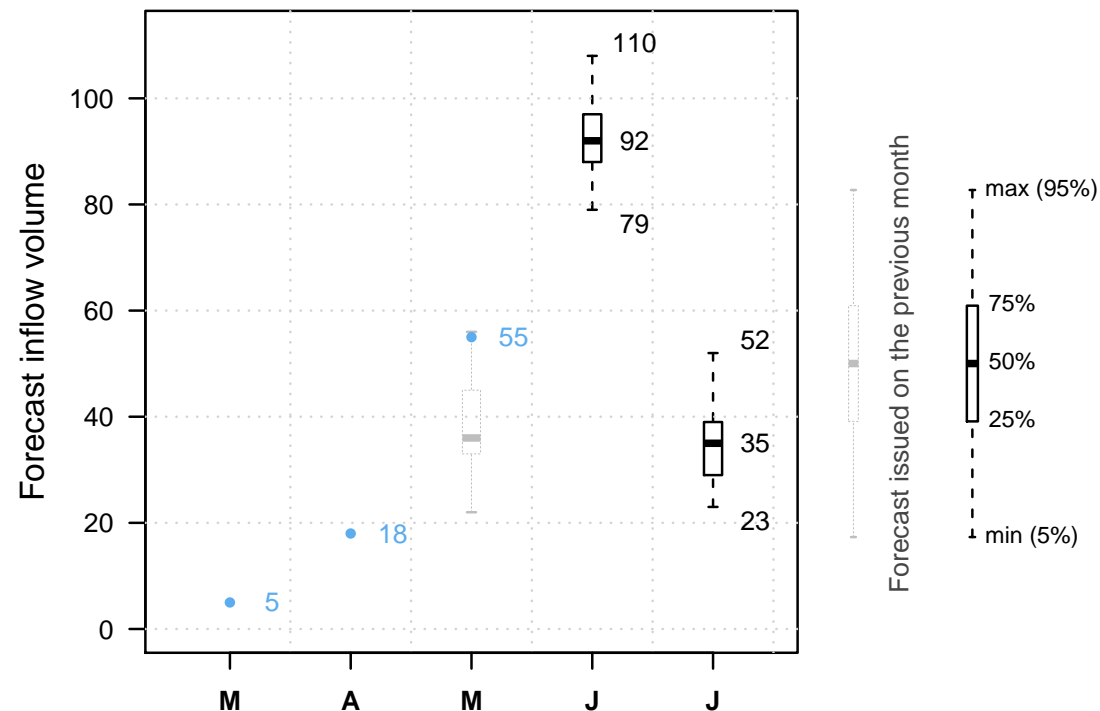


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

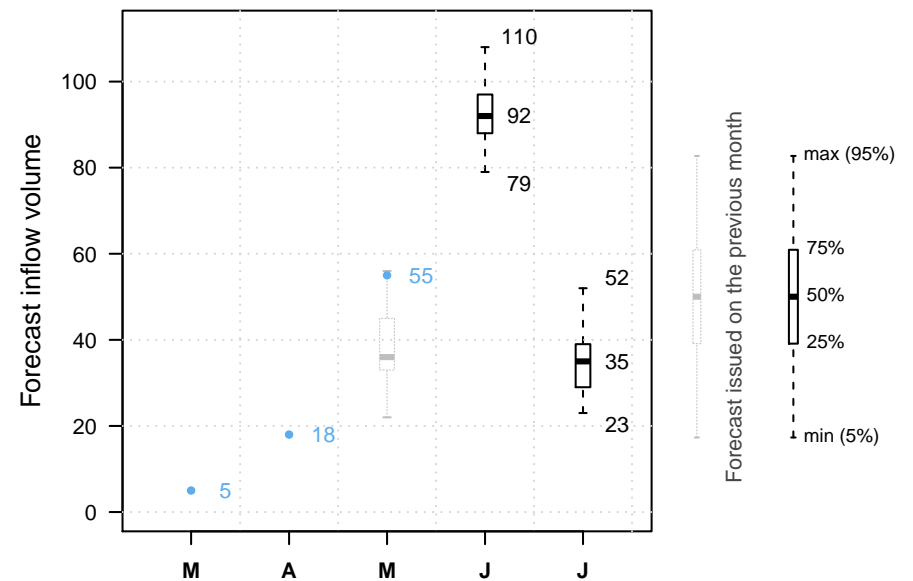
Previous decisions: C C



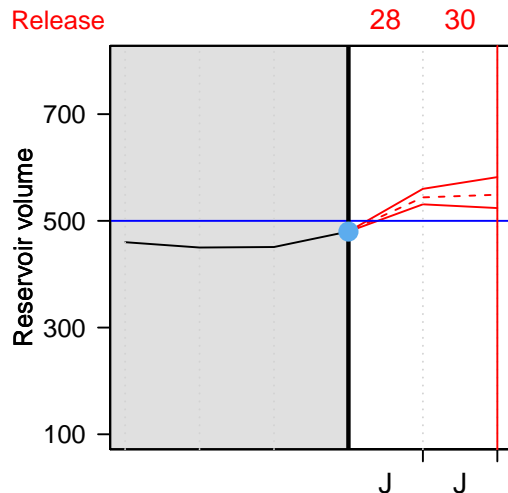
It is June 1st.

And our volunteer?

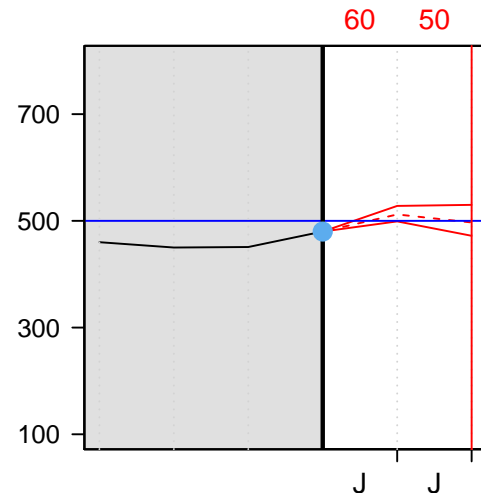
Let's see which release option our volunteer will choose.



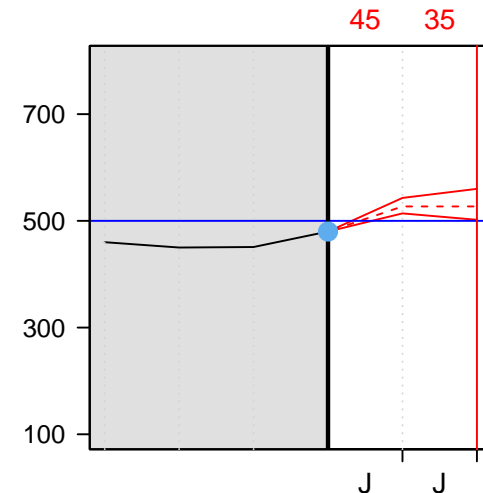
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 555 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

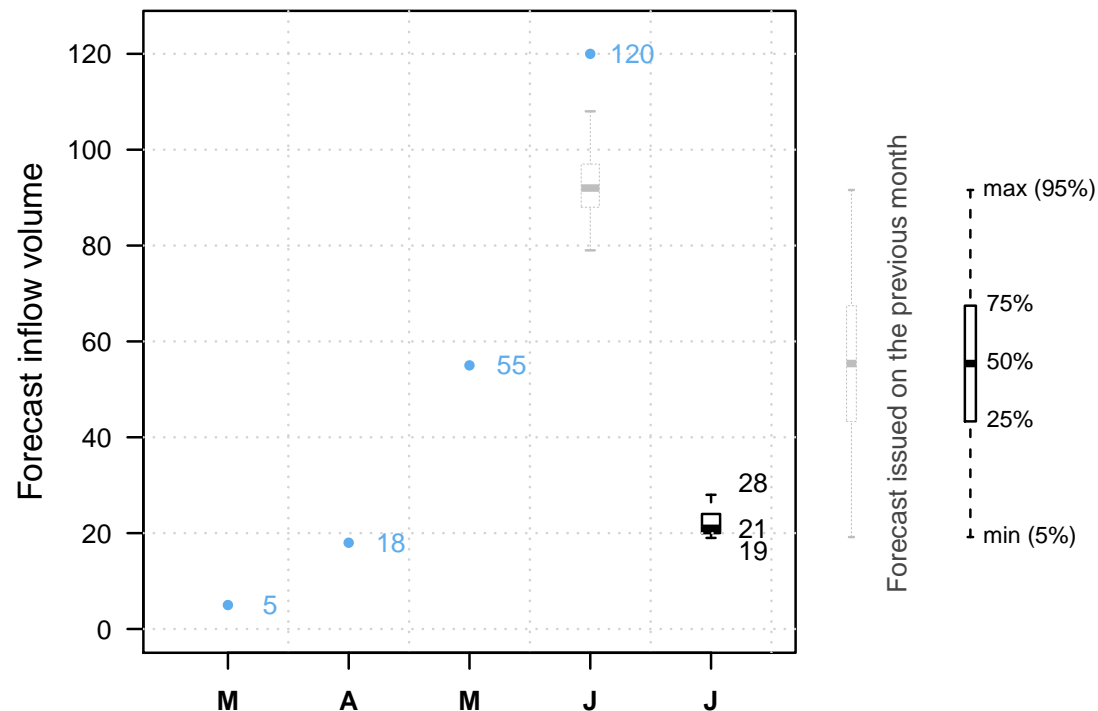


It is July 1st.

The reservoir is at 555  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

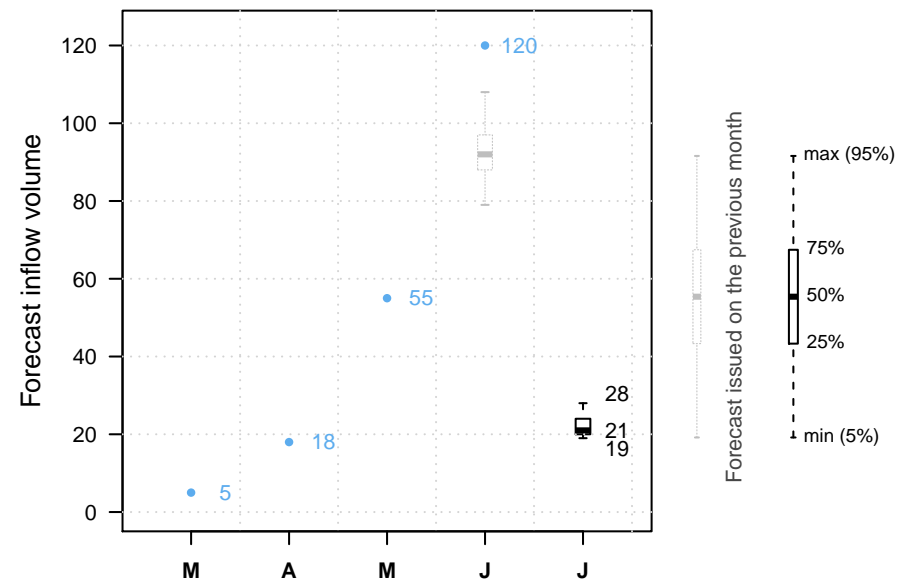
Previous decisions: C C C



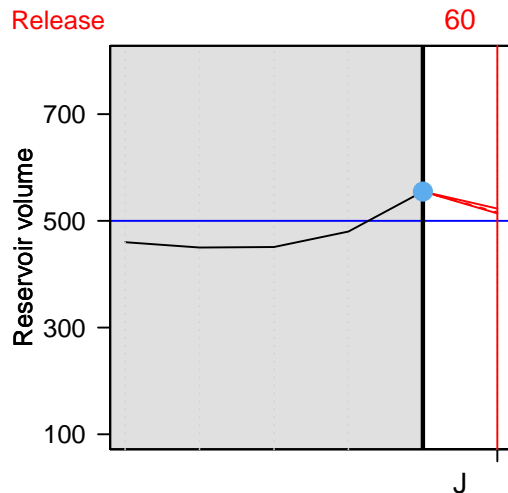
It is July 1st.

And our volunteer?

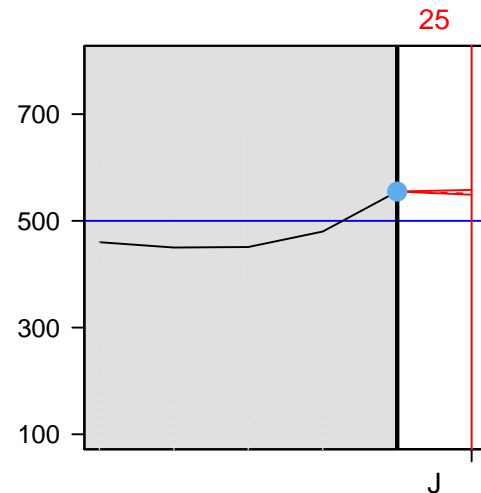
Let's see which release option our volunteer will choose.



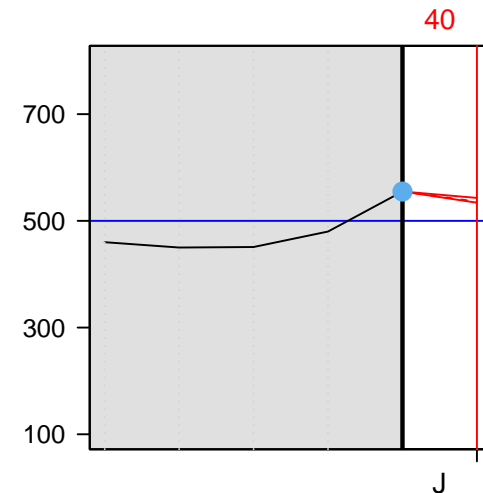
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $60 \text{ Mm}^3$

The volume on August 1st is therefore:

$$555 \text{ Mm}^3 + 22 \text{ Mm}^3 - 60 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

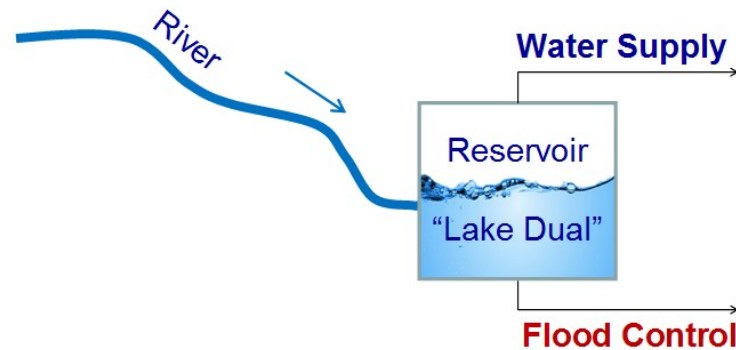
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



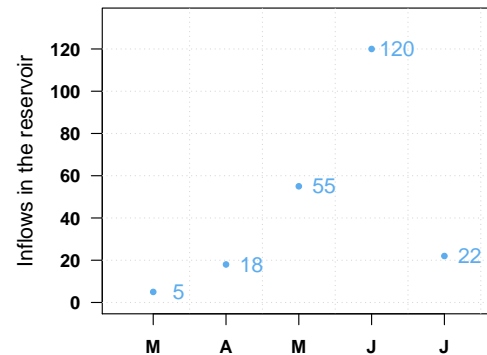
Swof Town



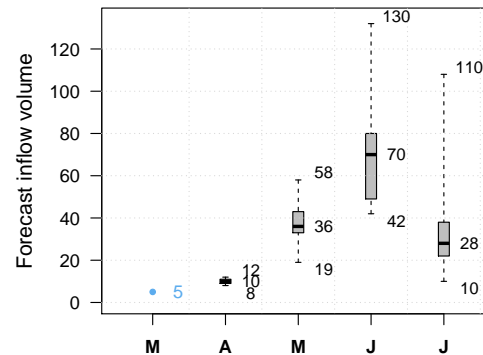
Safe Town



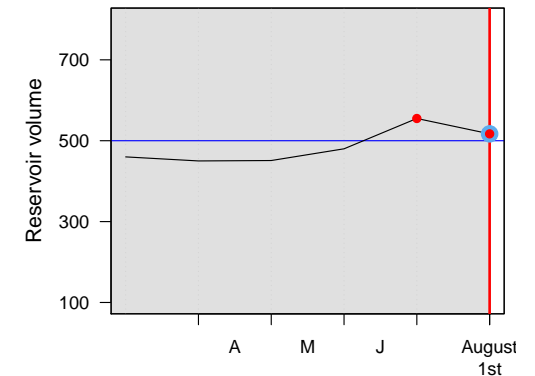
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

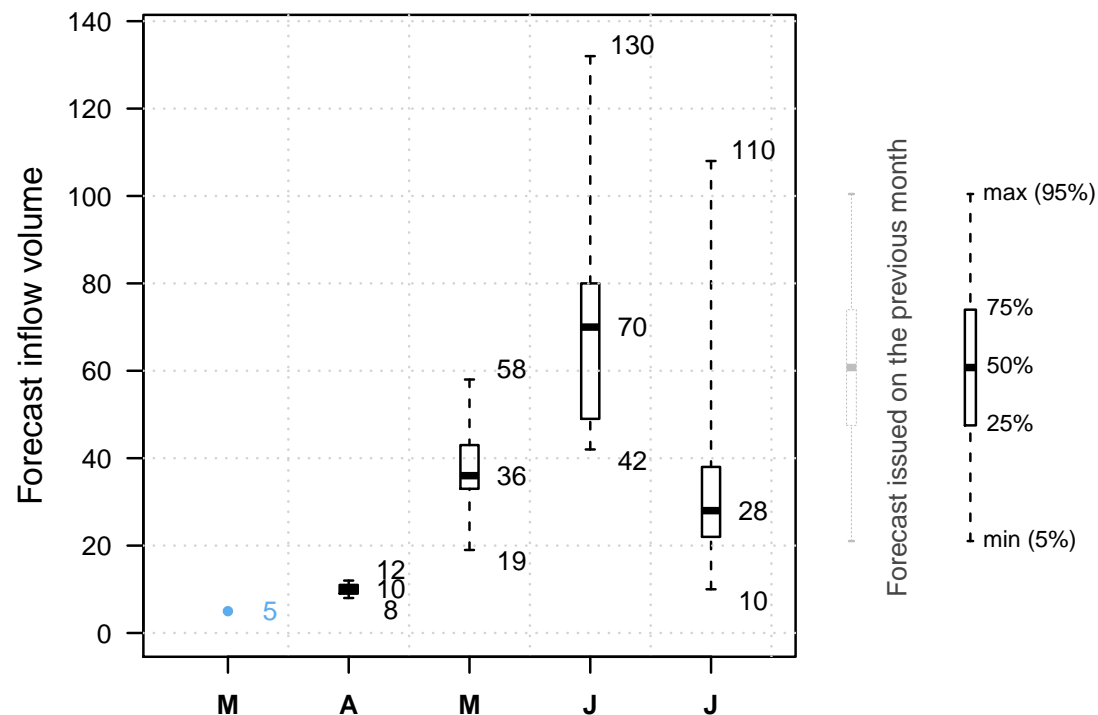


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

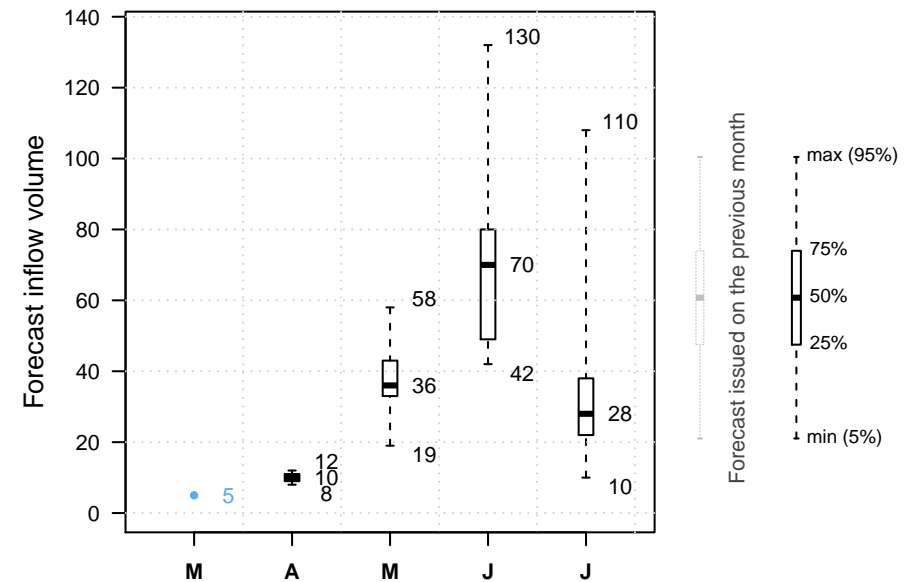




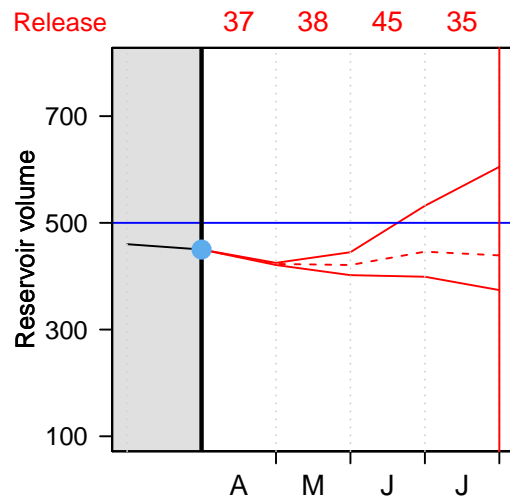
It is April 1st.

And our volunteer?

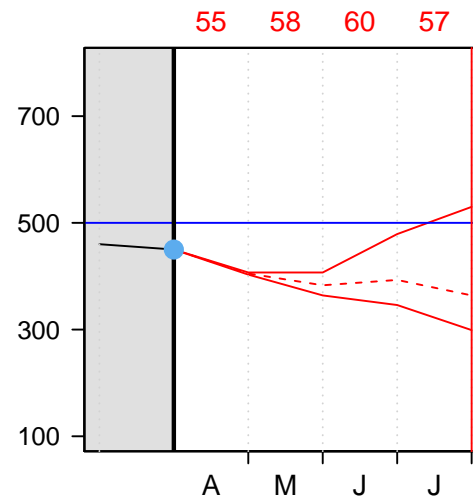
Let's see which release option our volunteer will choose.



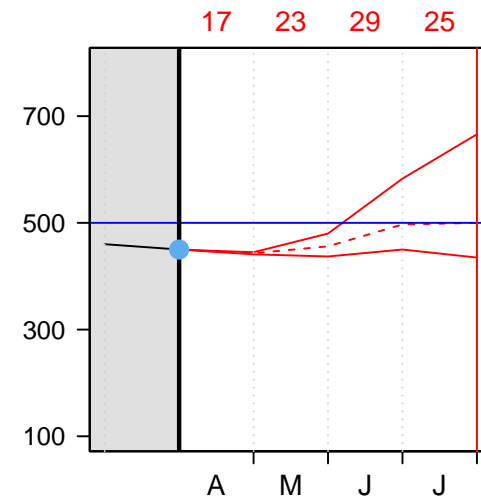
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

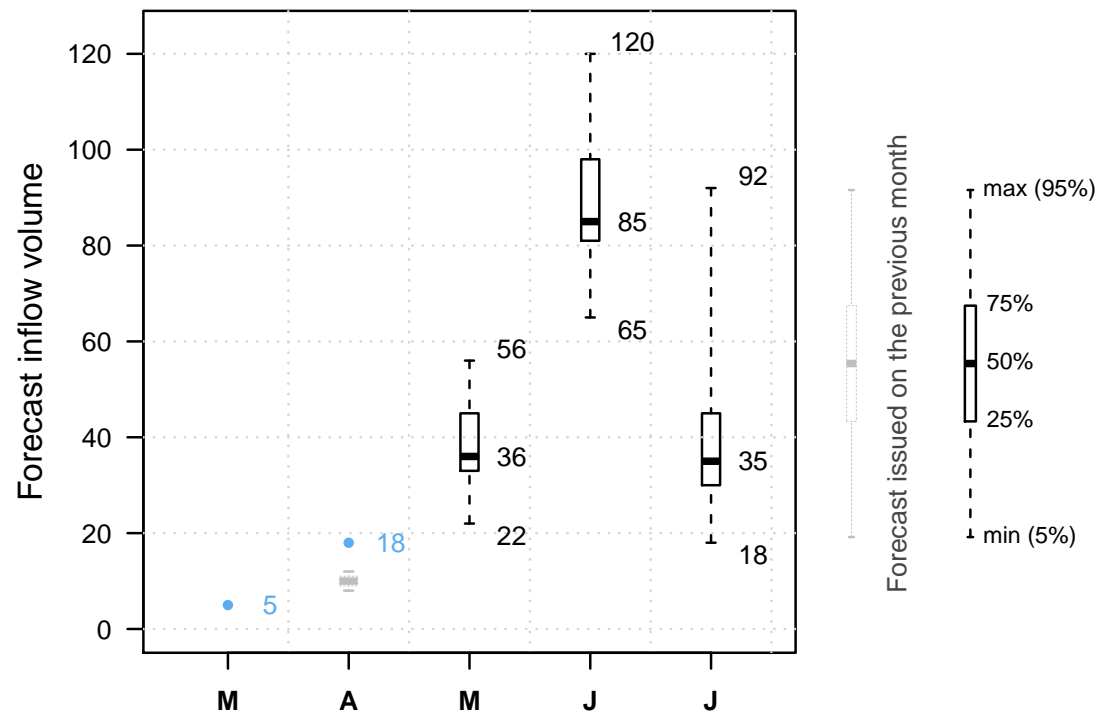


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

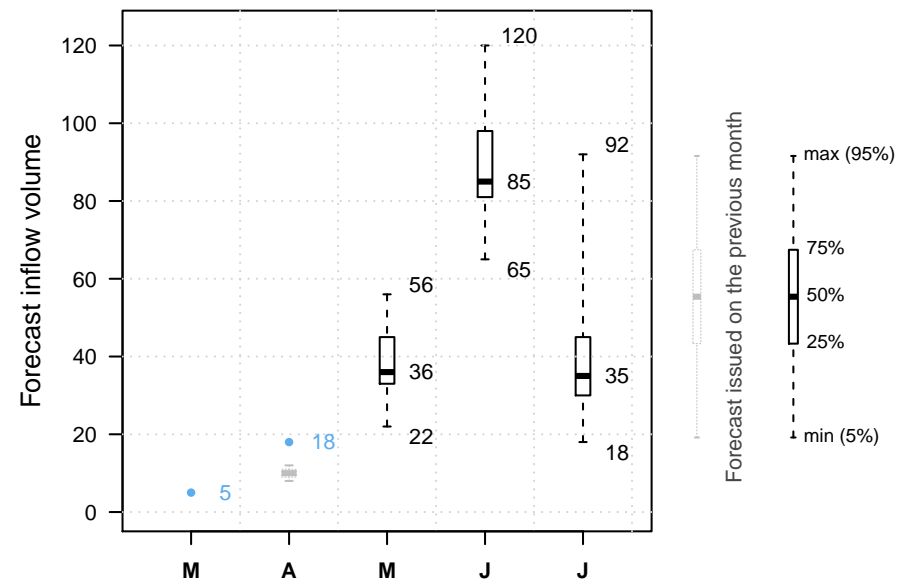
Previous decisions: A



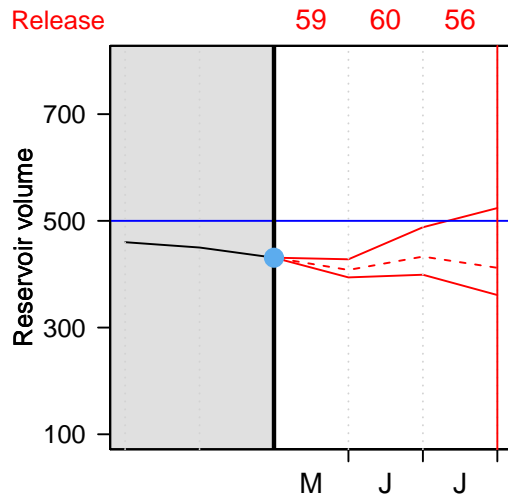
It is May 1st.

And our volunteer?

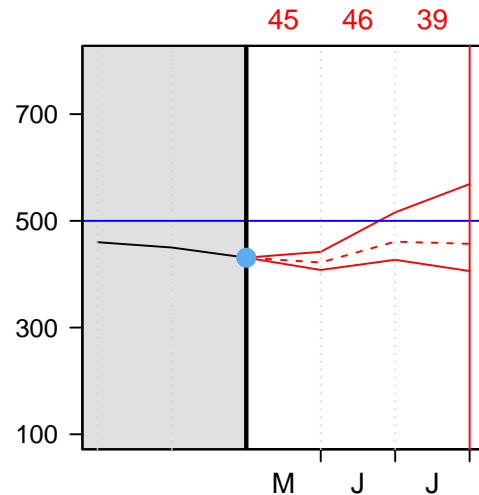
Let's see which release option our volunteer will choose.



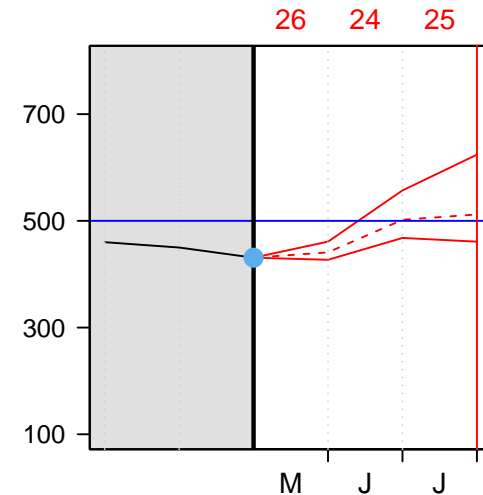
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

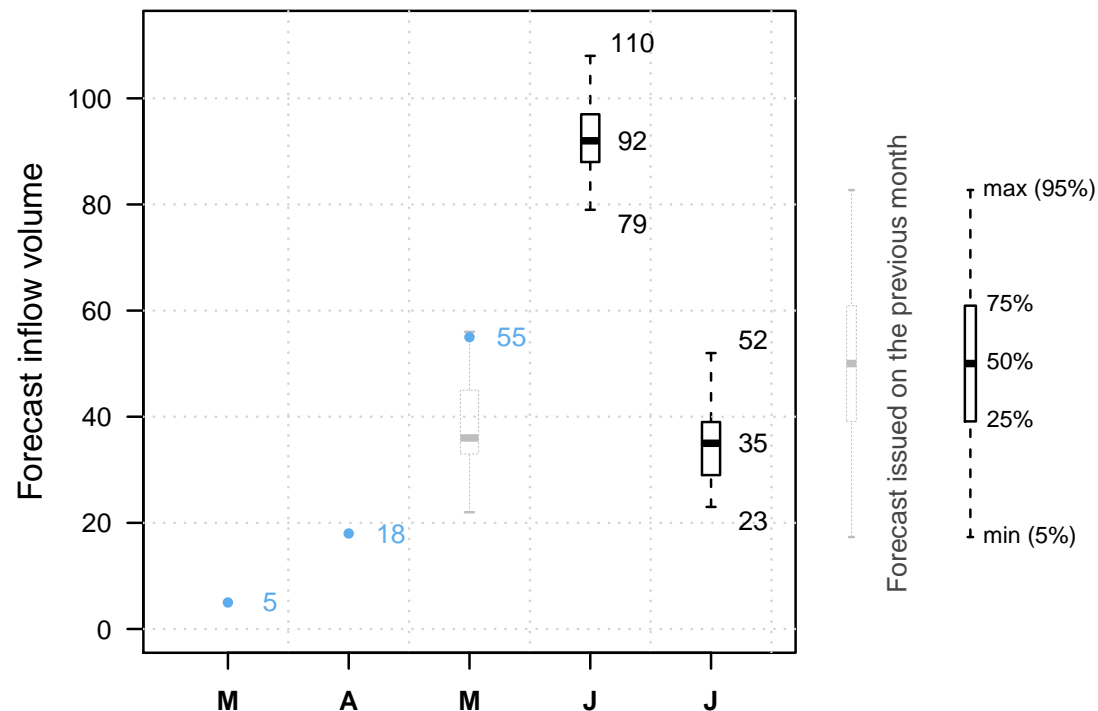


It is June 1st.

The reservoir is at  $427 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.



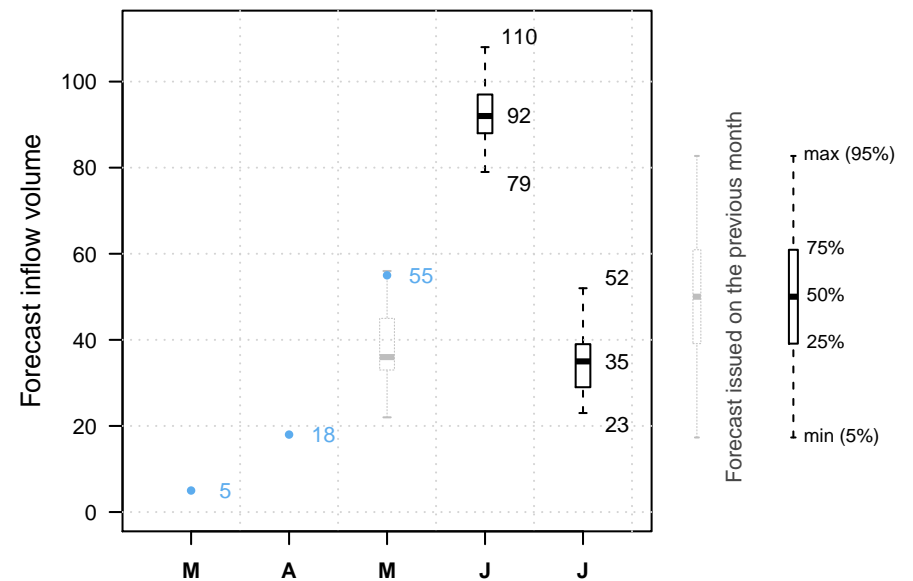
Previous decisions: A A



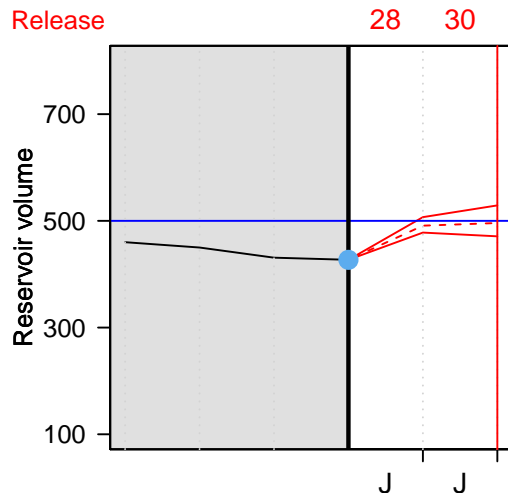
It is June 1st.

And our volunteer?

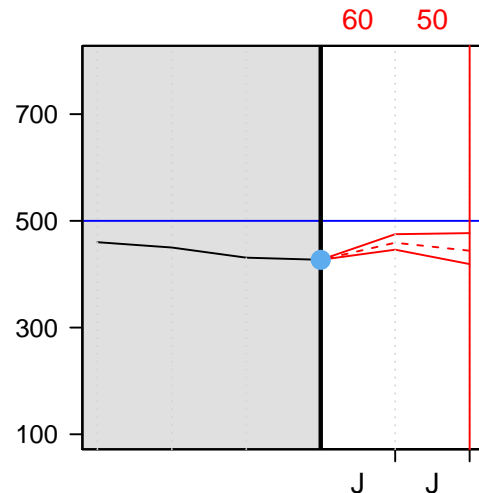
Let's see which release option our volunteer will choose.



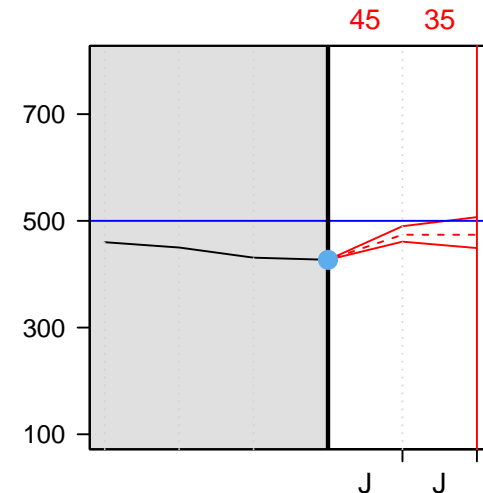
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 519 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

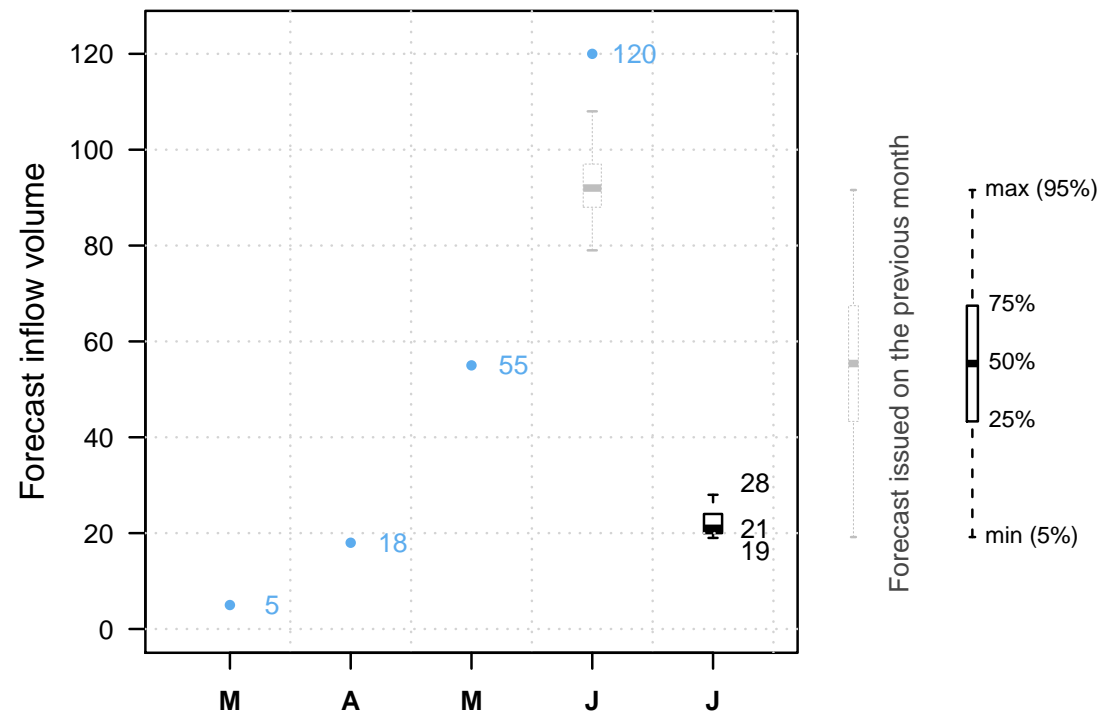


It is July 1st.

The reservoir is at 519  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

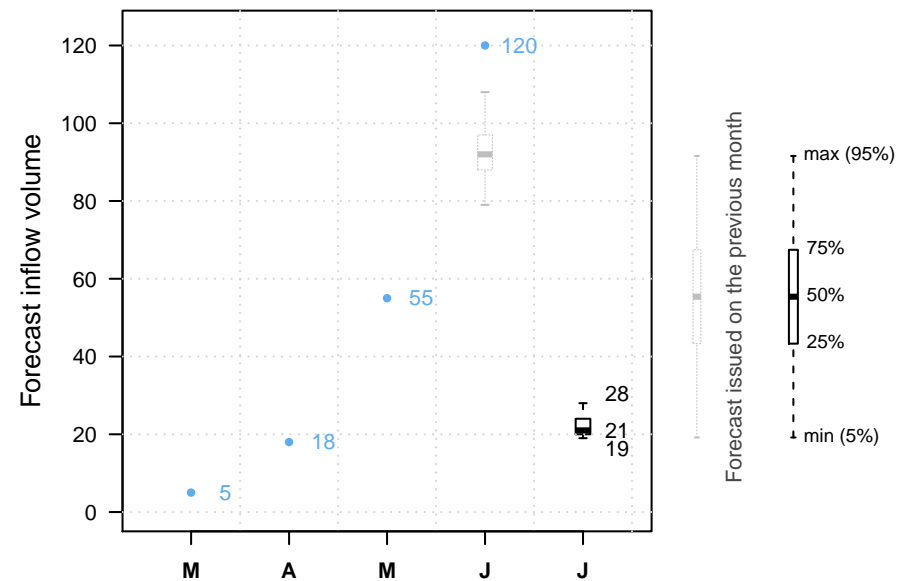
Previous decisions: A A A



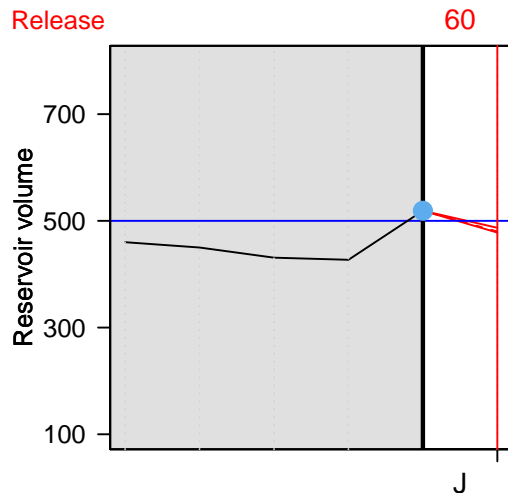
It is July 1st.

And our volunteer?

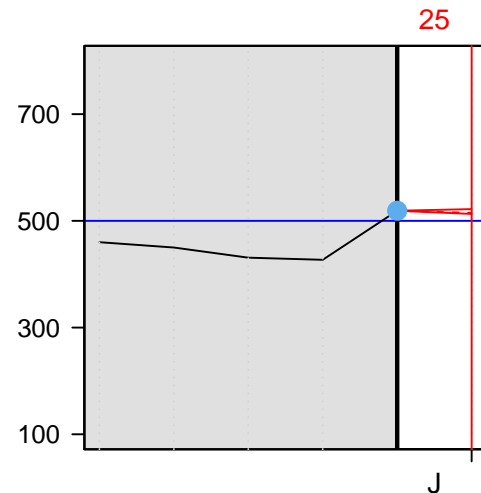
Let's see which release option our volunteer will choose.



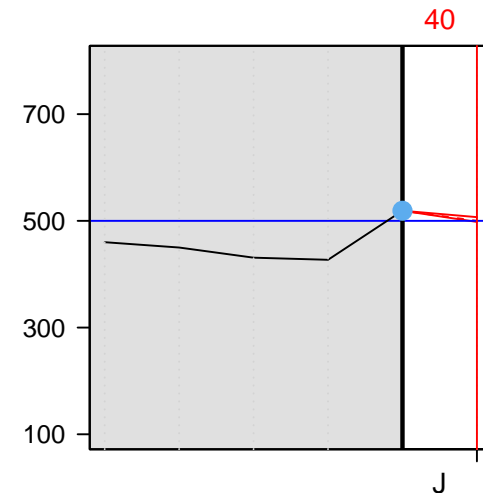
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$519 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 516 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

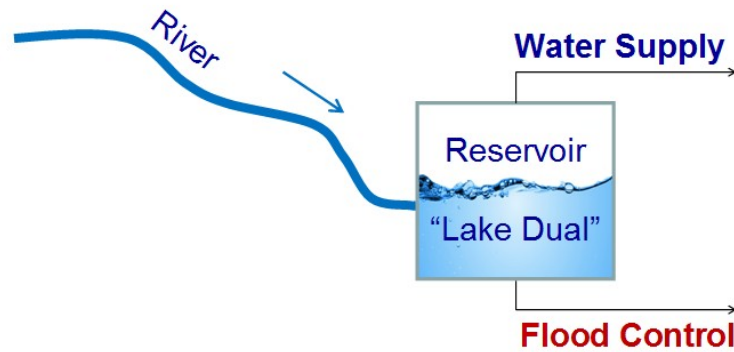
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



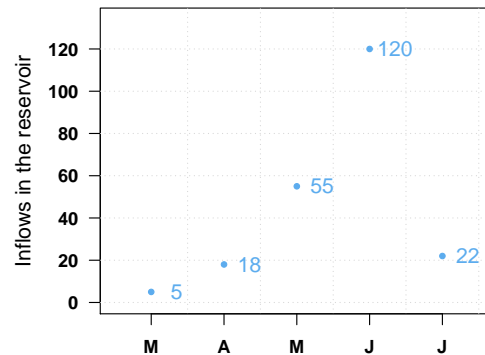
Swof Town



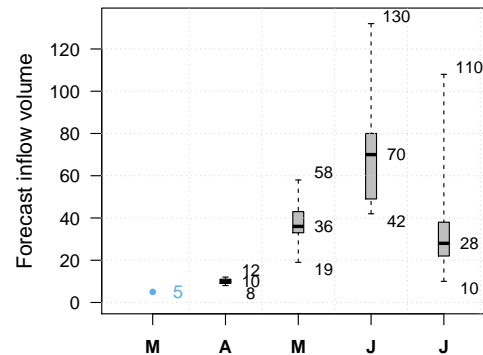
Safe Town



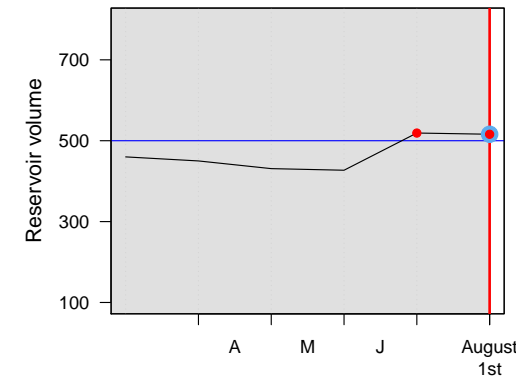
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



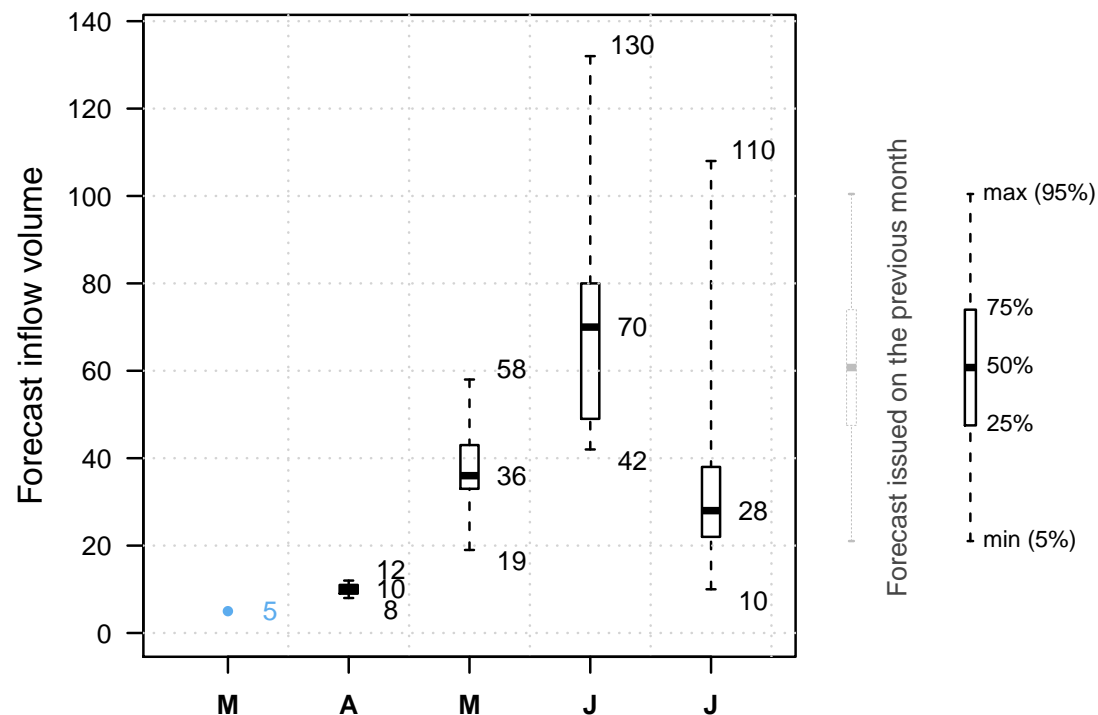


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

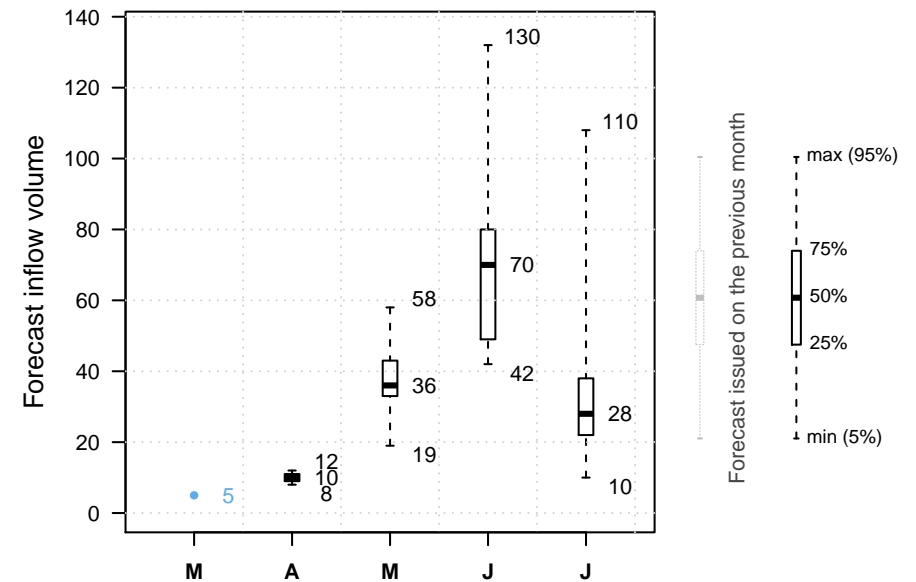
**NEXT**



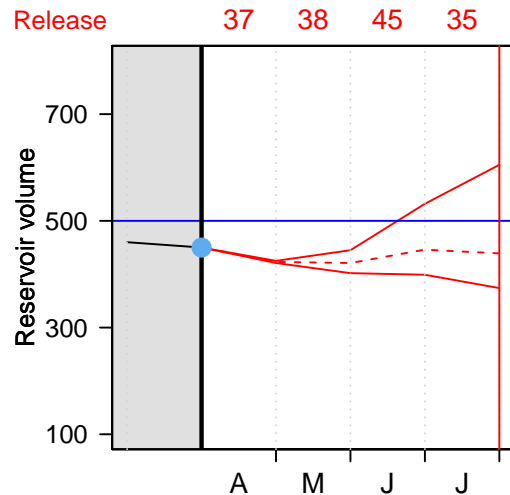
It is April 1st.

And our volunteer?

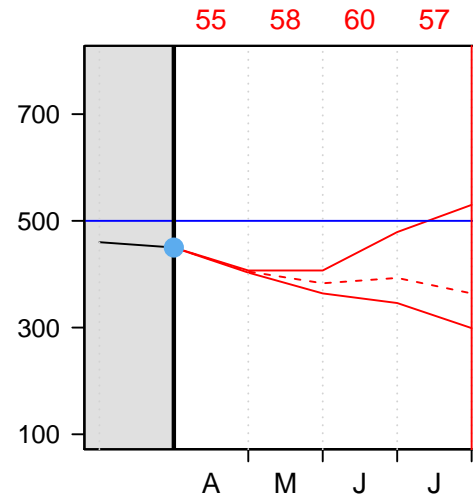
Let's see which release option our volunteer will choose.



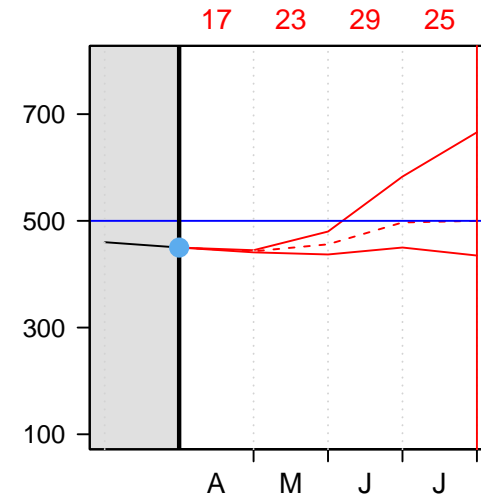
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

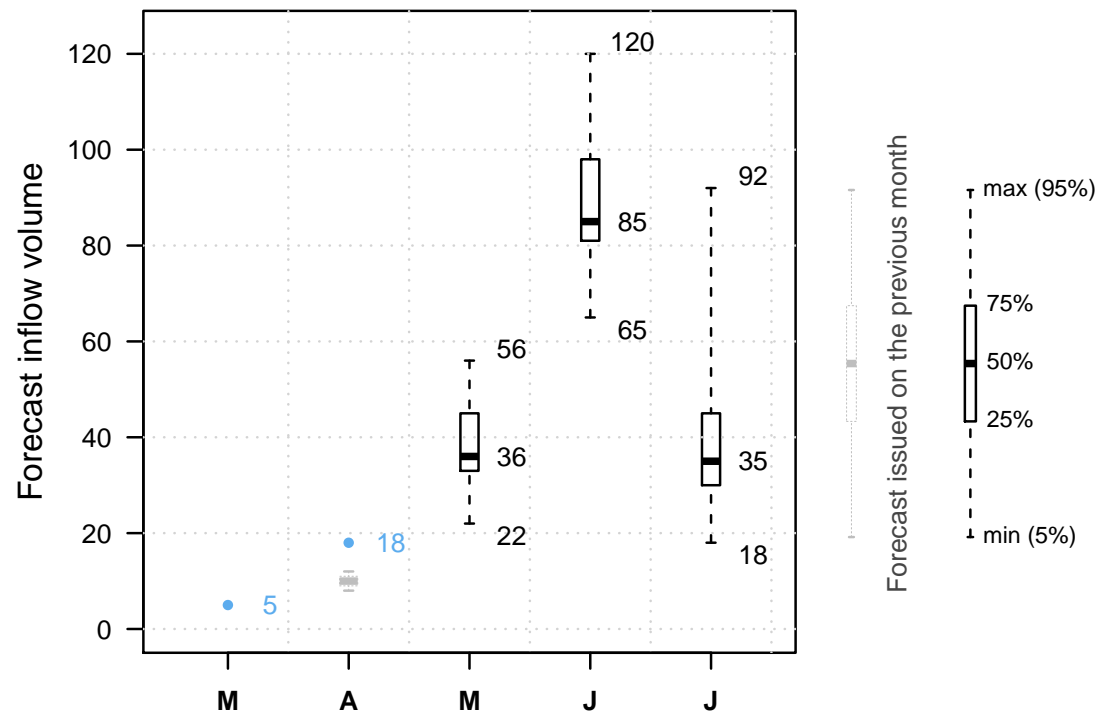


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

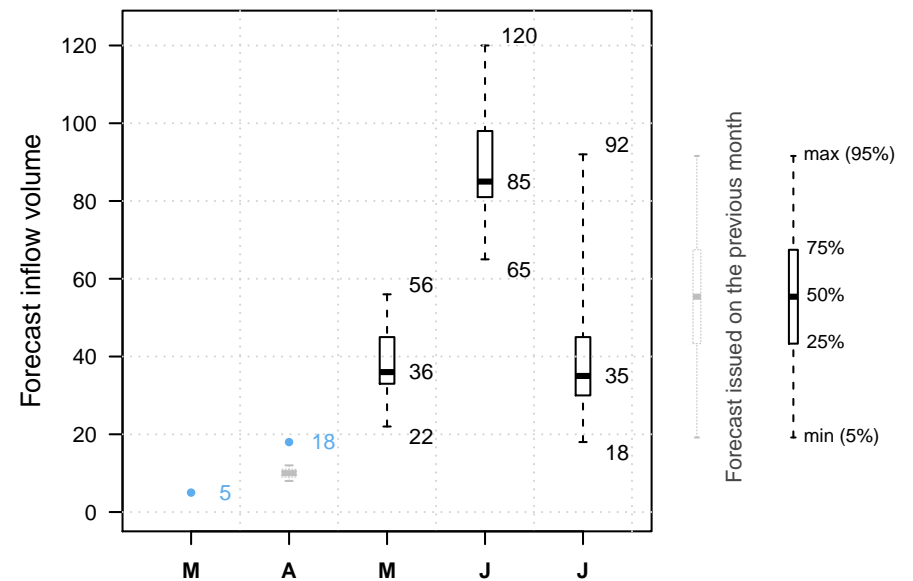
Previous decisions: B



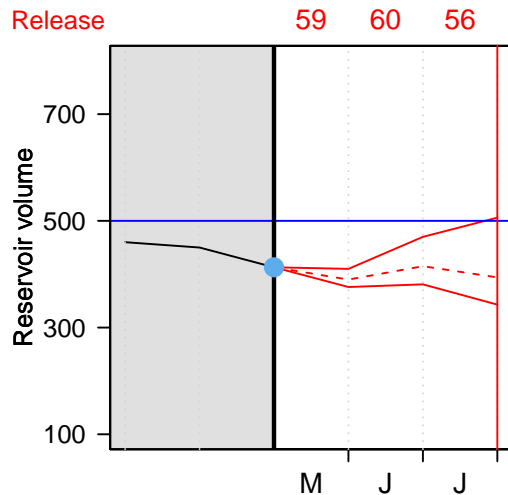
It is May 1st.

And our volunteer?

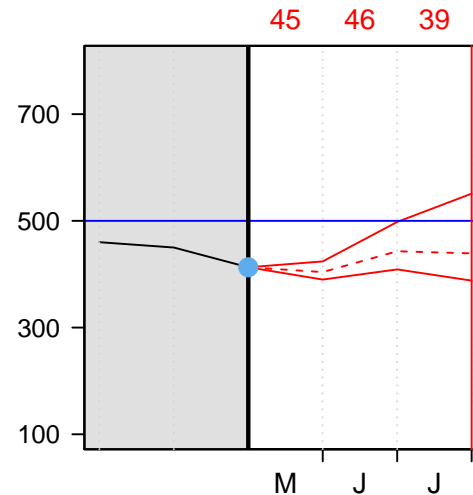
Let's see which release option our volunteer will choose.



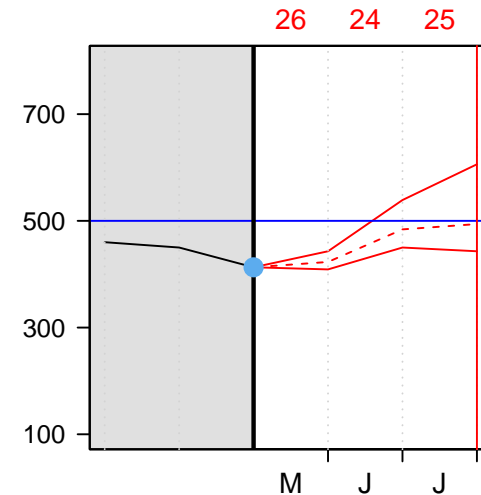
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



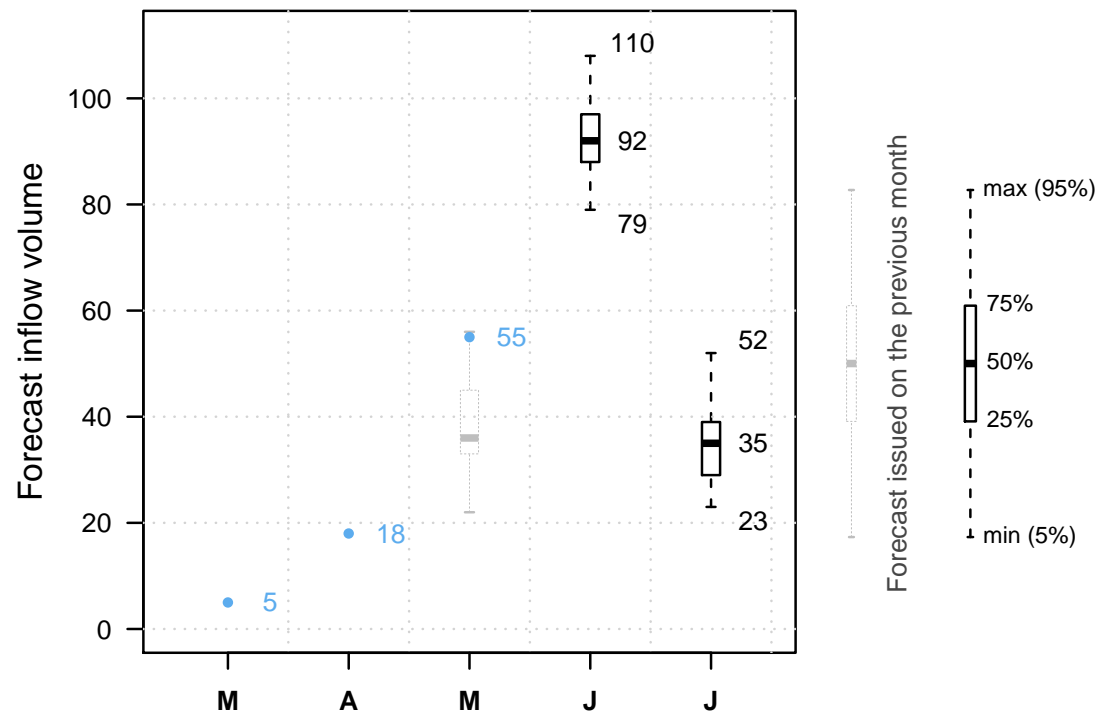


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

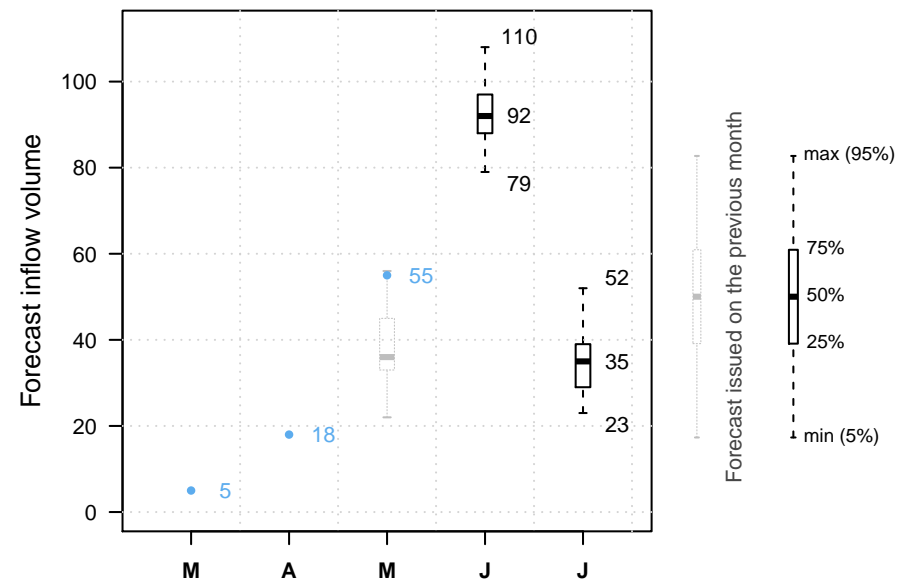
Previous decisions: B A



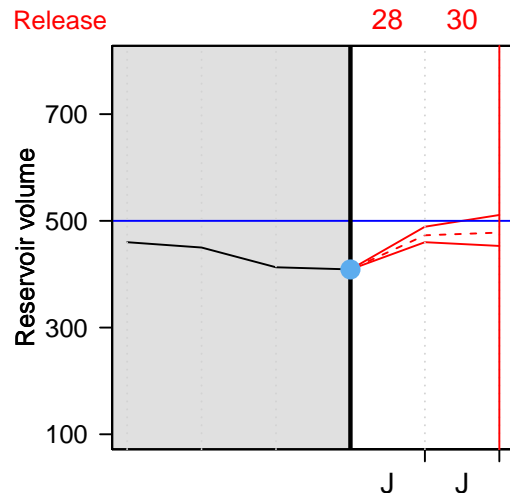
It is June 1st.

And our volunteer?

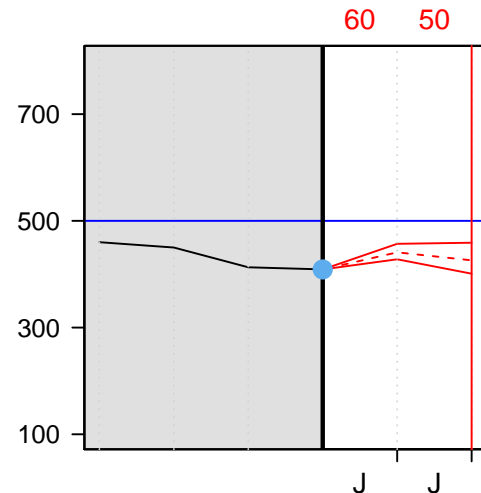
Let's see which release option our volunteer will choose.



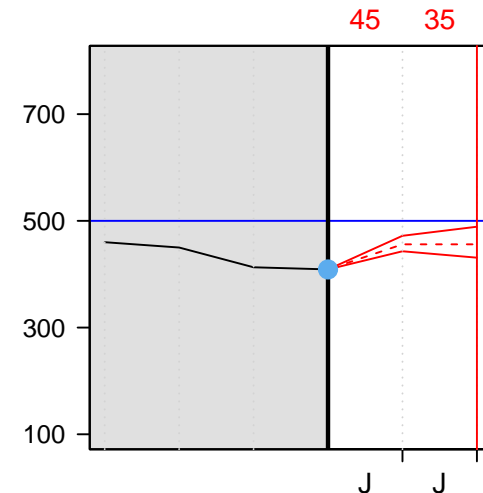
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

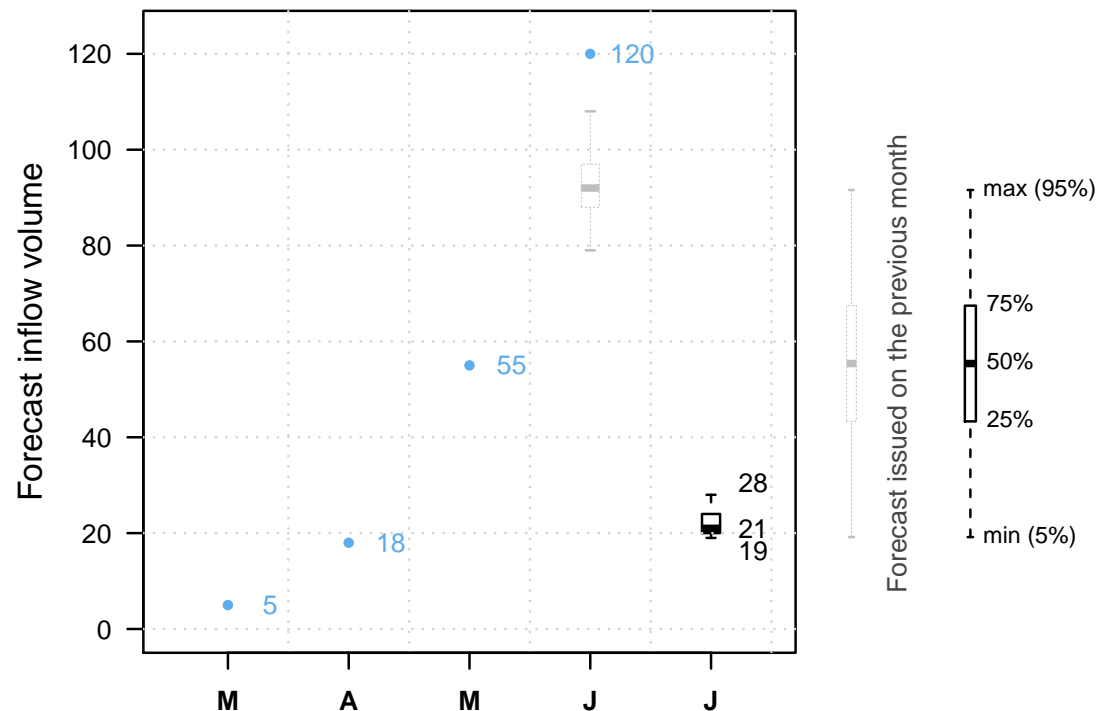


It is July 1st.

The reservoir is at  $501 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

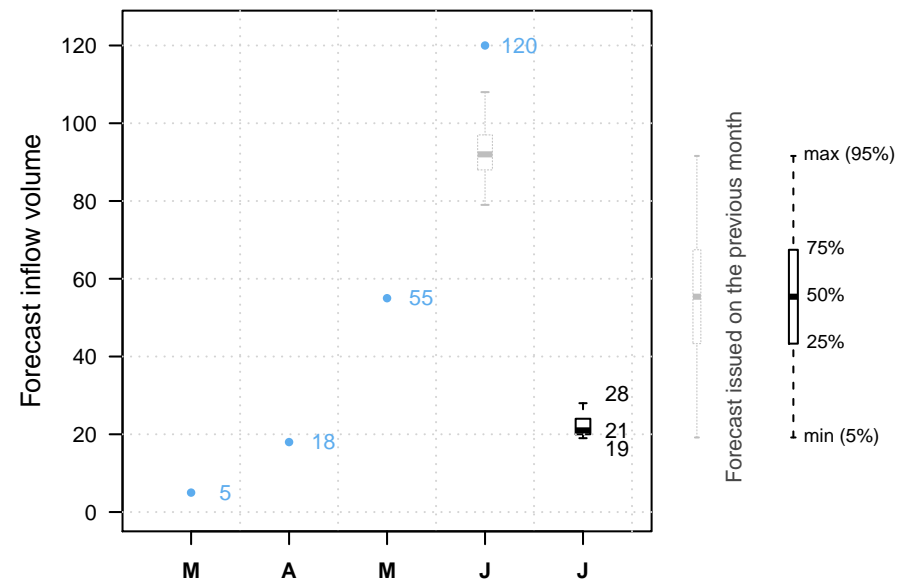
Previous decisions: B A A



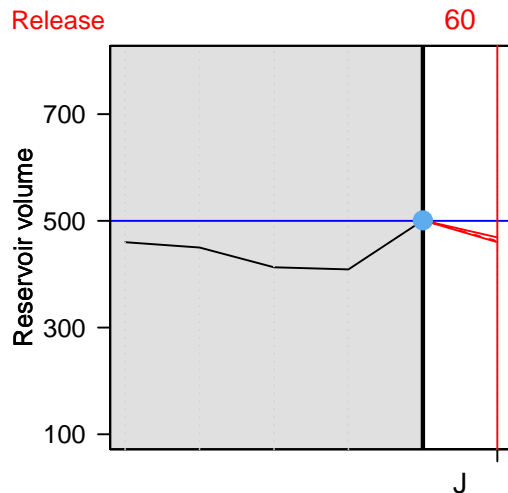
It is July 1st.

And our volunteer?

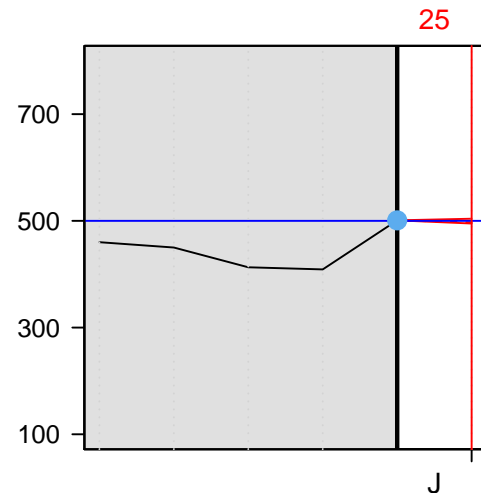
Let's see which release option our volunteer will choose.



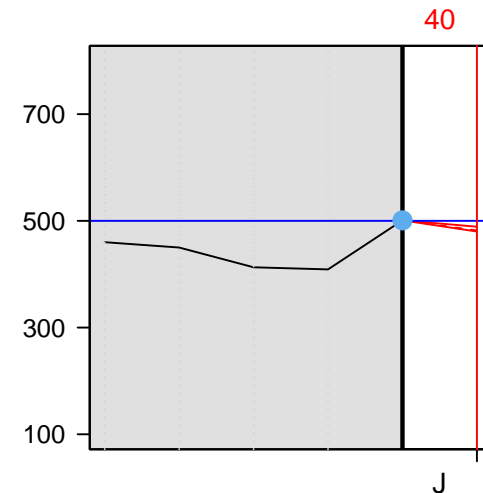
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

NEXT

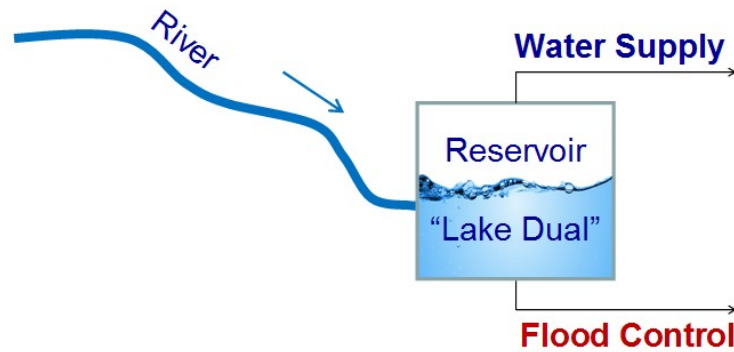
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



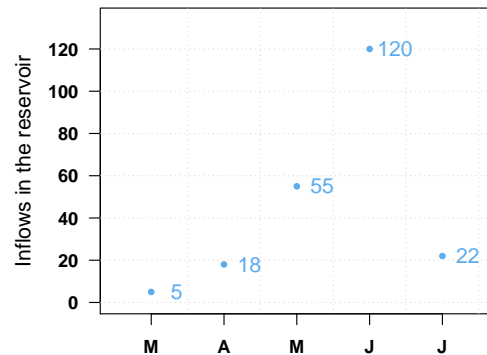
Swof Town



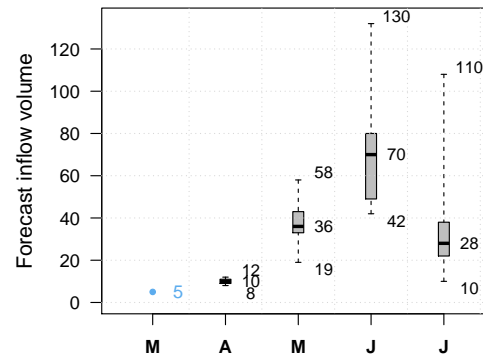
Safe Town



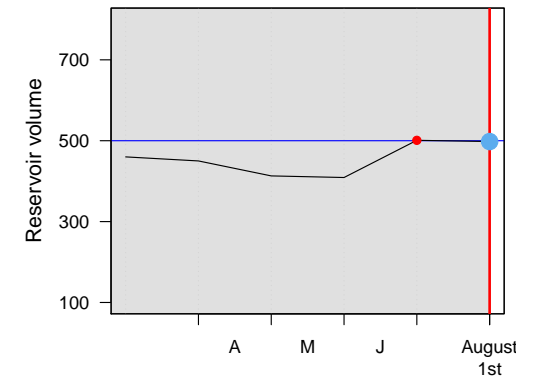
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

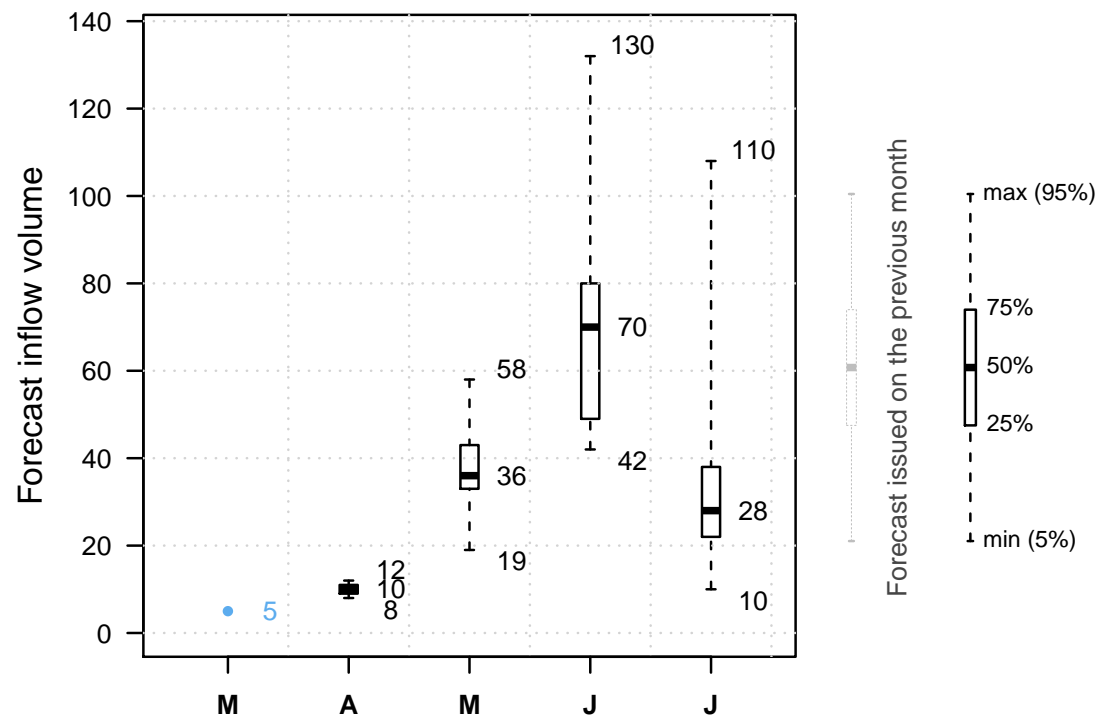


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

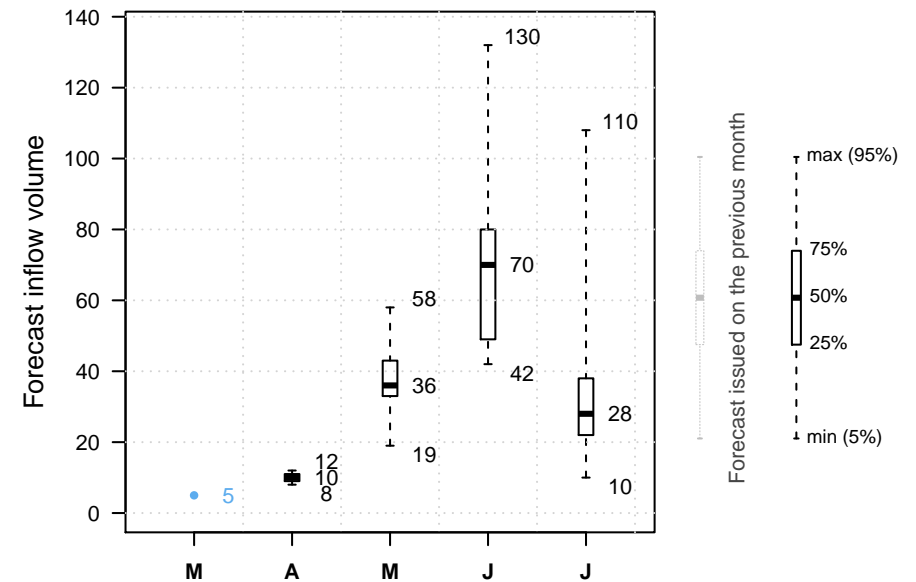
**NEXT**



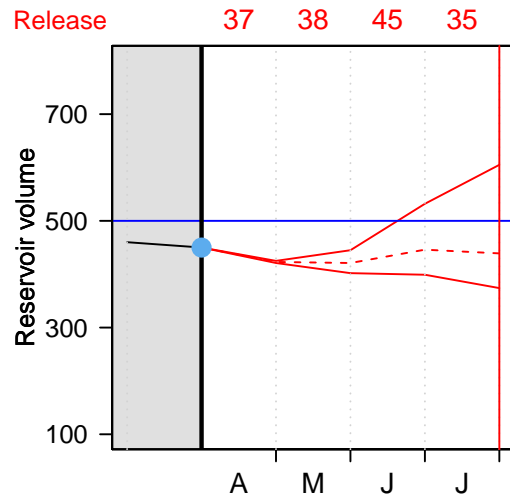
It is April 1st.

And our volunteer?

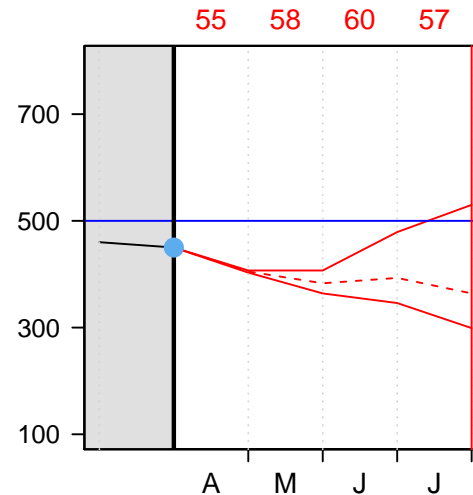
Let's see which release option our volunteer will choose.



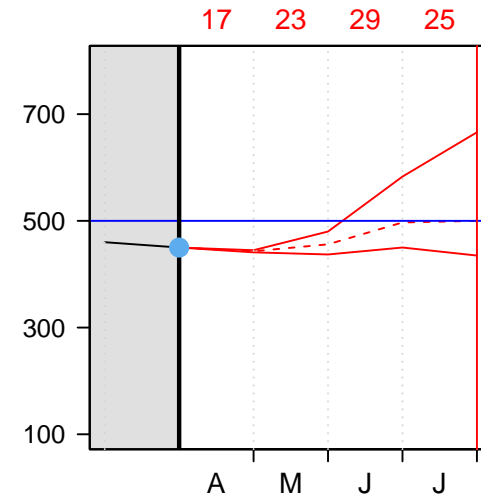
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

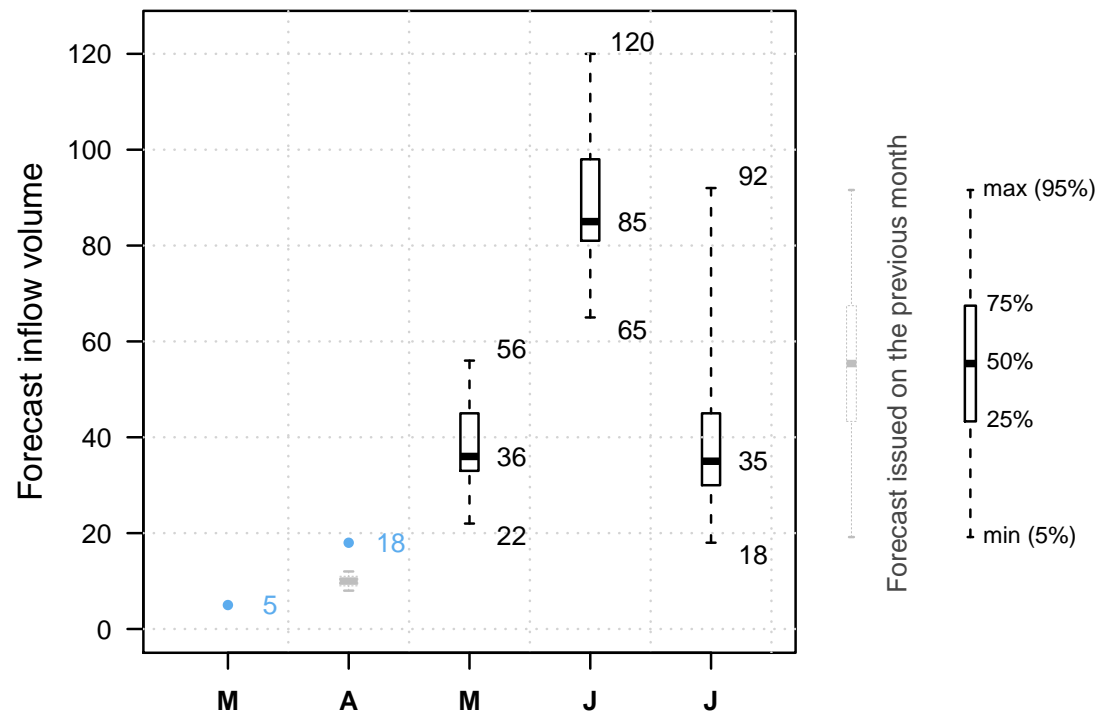


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

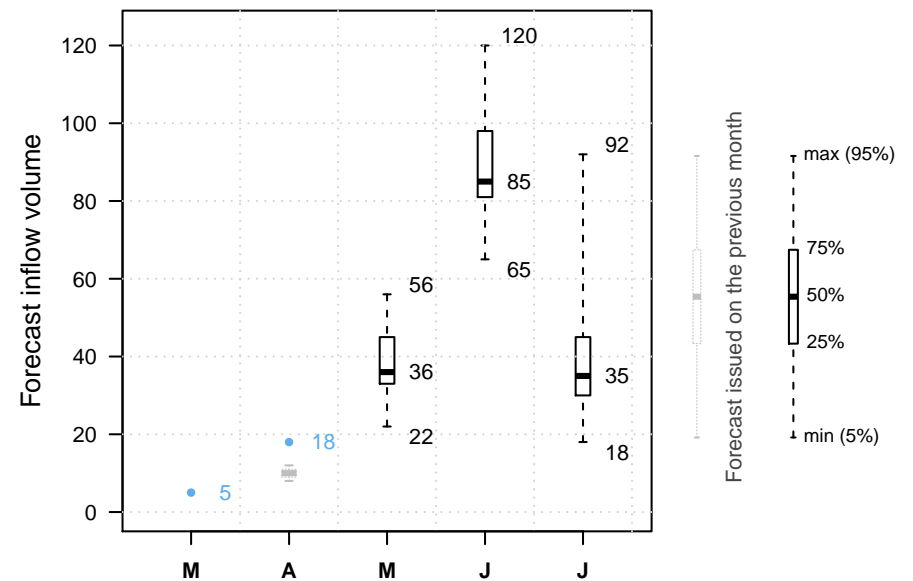
Previous decisions: C



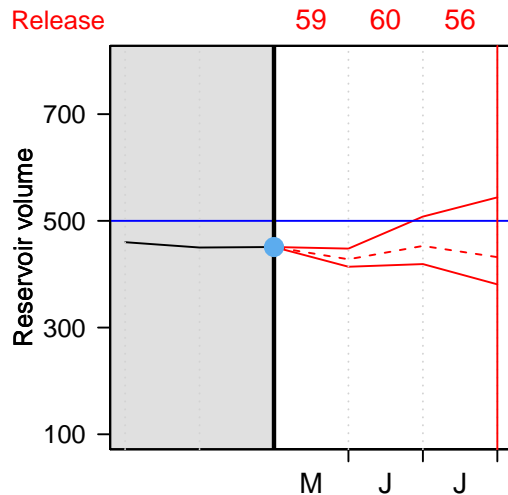
It is May 1st.

And our volunteer?

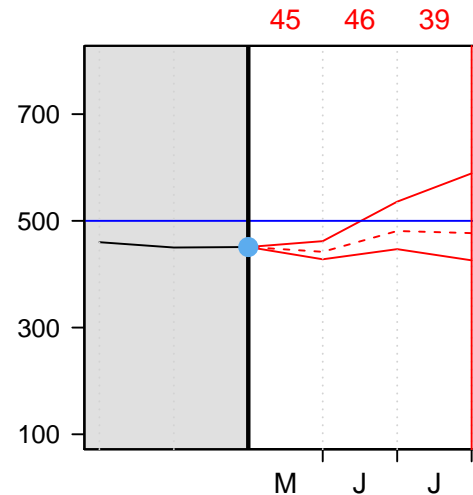
Let's see which release option our volunteer will choose.



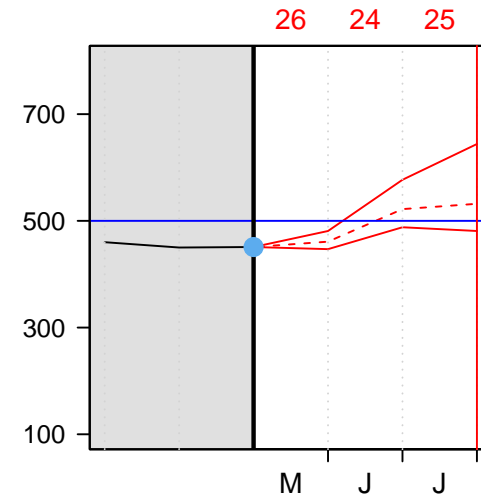
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

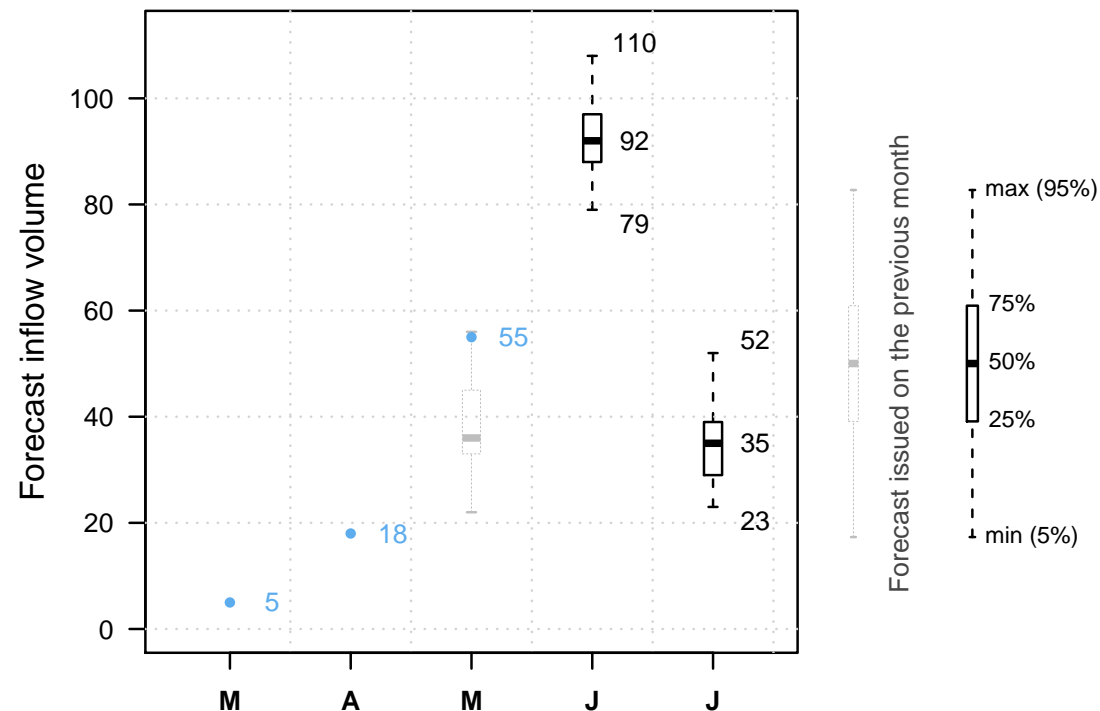


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

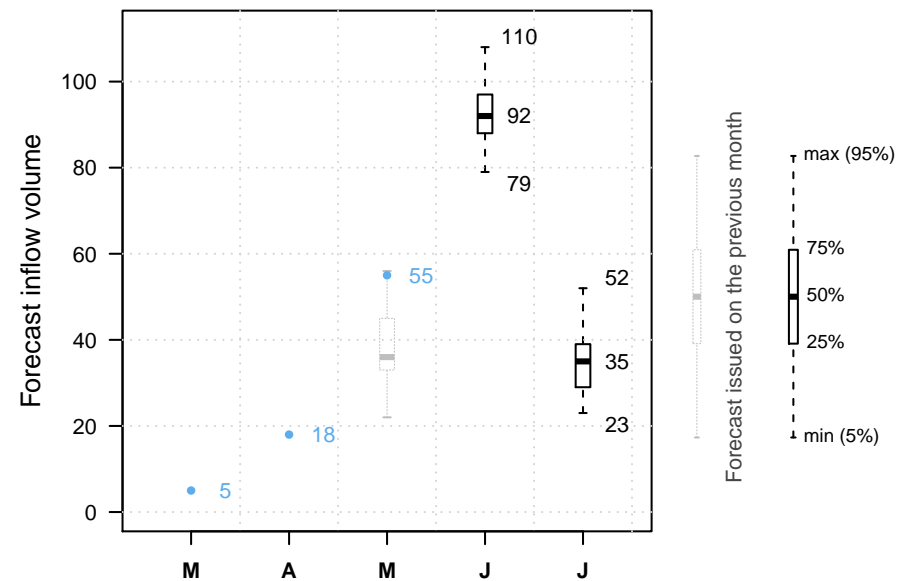
Previous decisions: C A



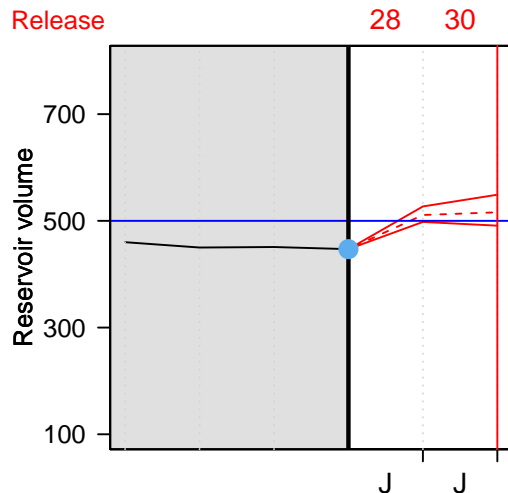
It is June 1st.

And our volunteer?

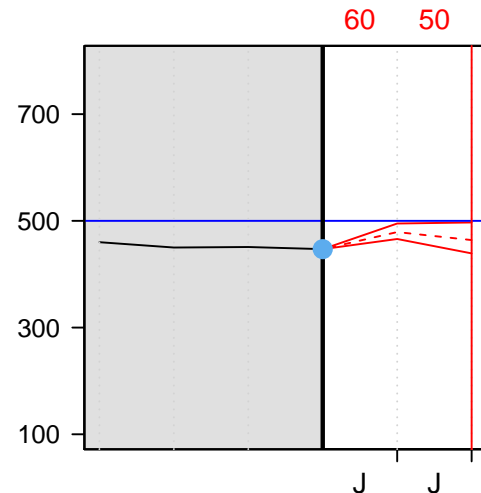
Let's see which release option our volunteer will choose.



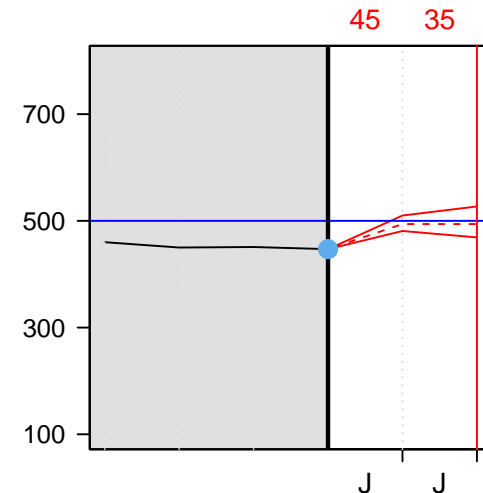
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 539 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

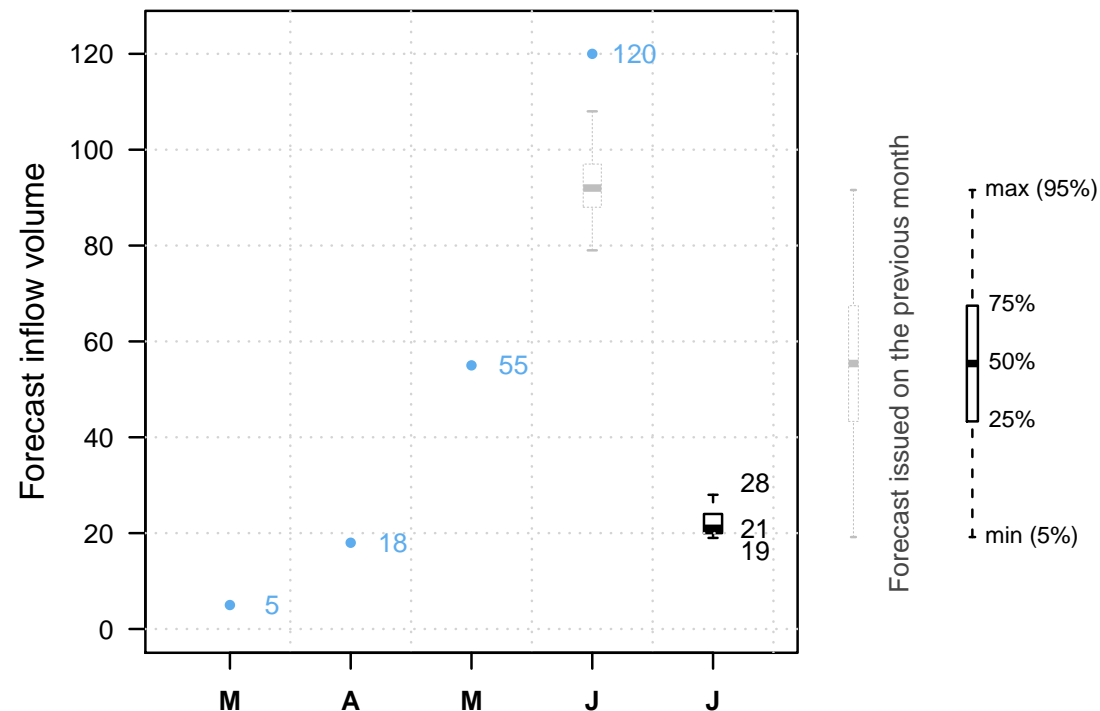


It is July 1st.

The reservoir is at 539  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

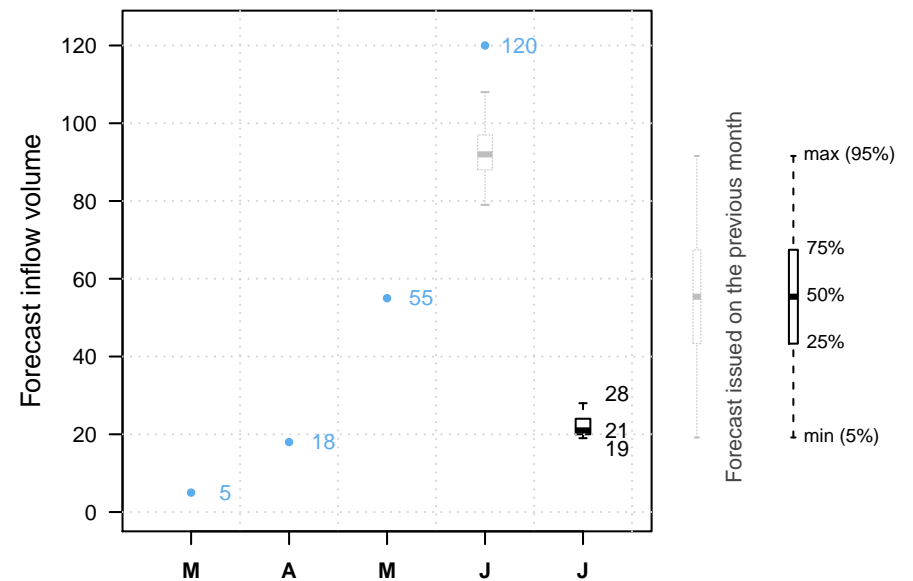
Previous decisions: C A A



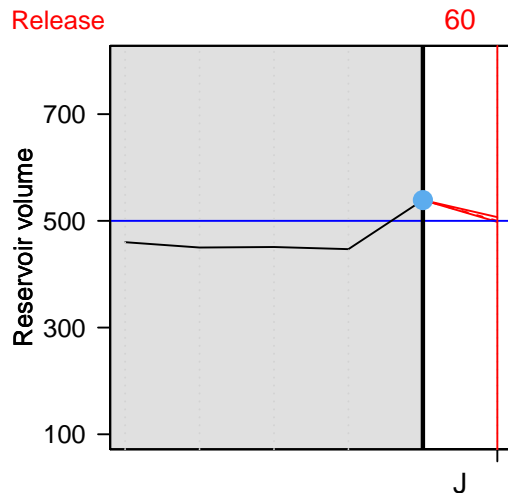
It is July 1st.

And our volunteer?

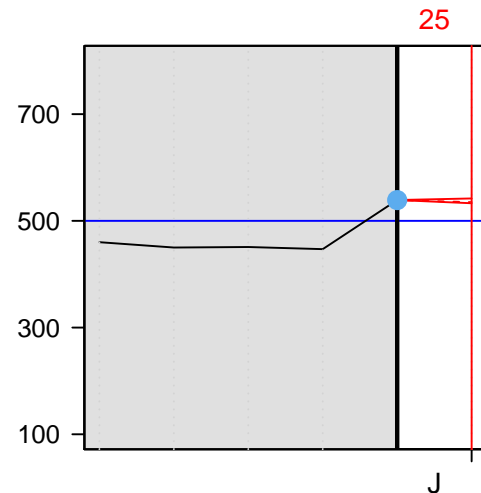
Let's see which release option our volunteer will choose.



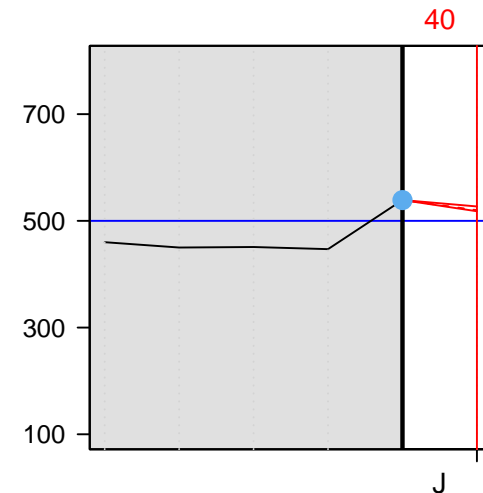
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$539 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 536 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

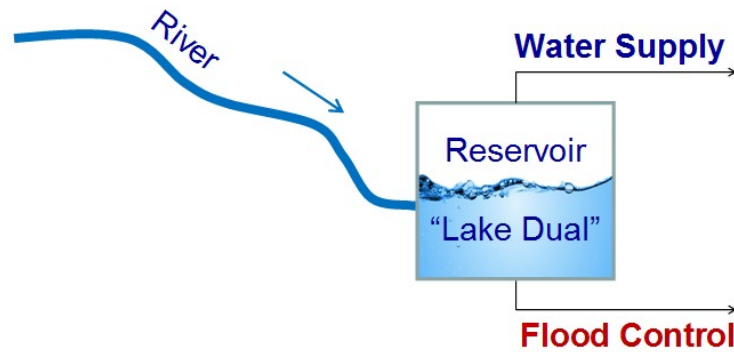
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



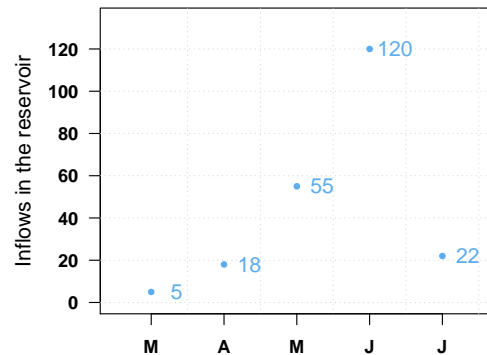
Swof Town



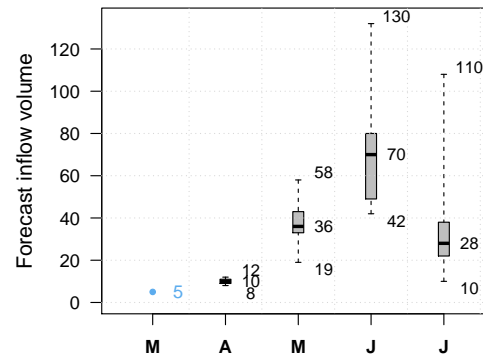
Safe Town



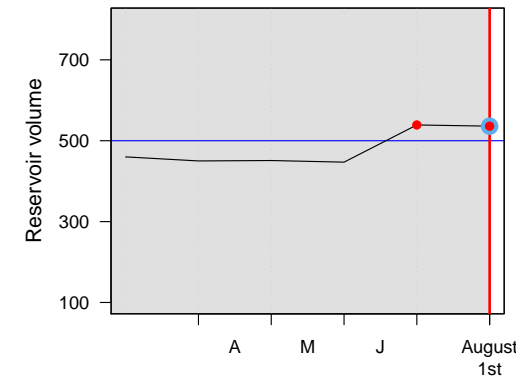
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

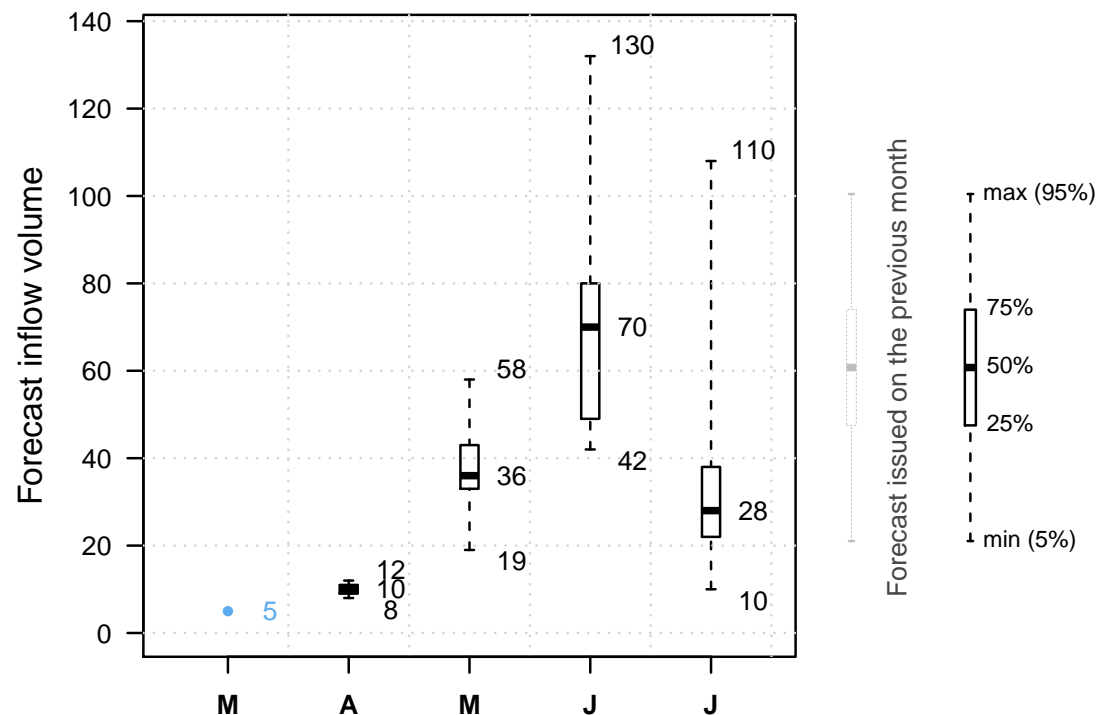


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

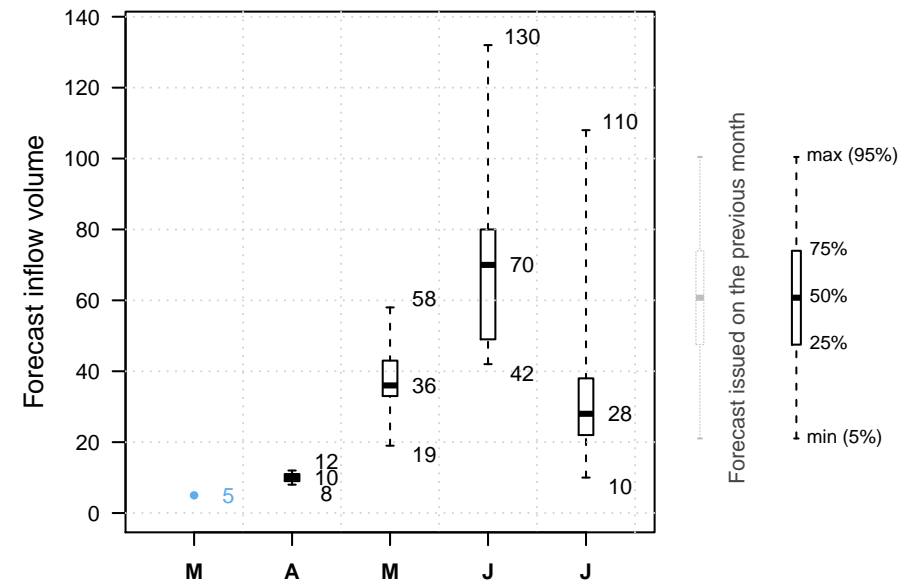
NEXT



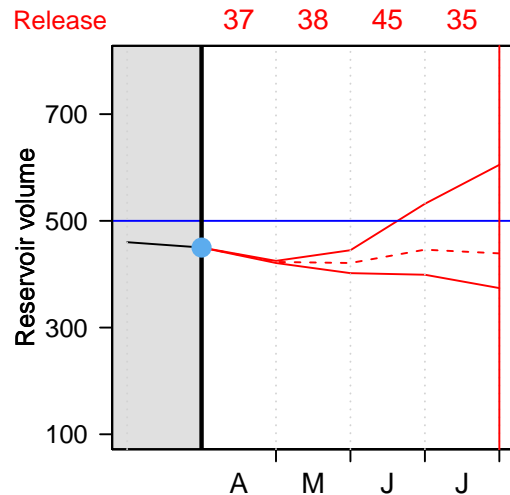
It is April 1st.

And our volunteer?

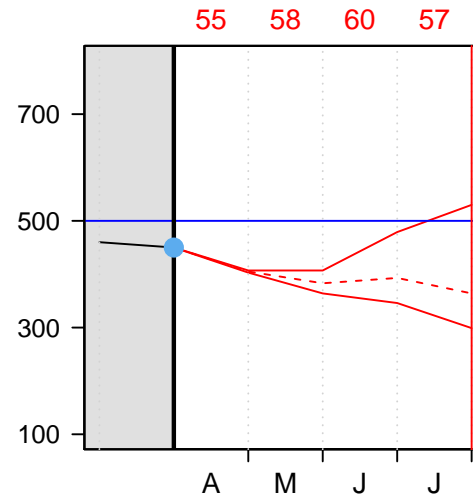
Let's see which release option our volunteer will choose.



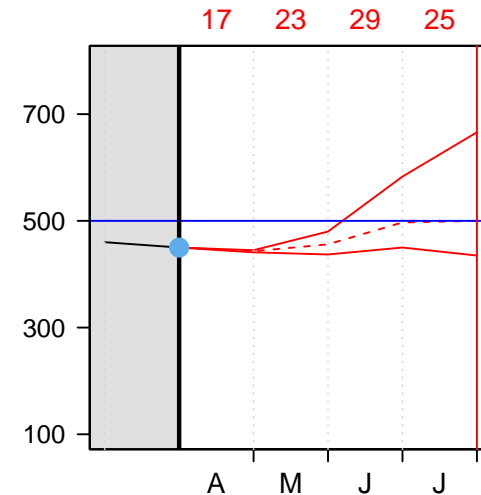
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

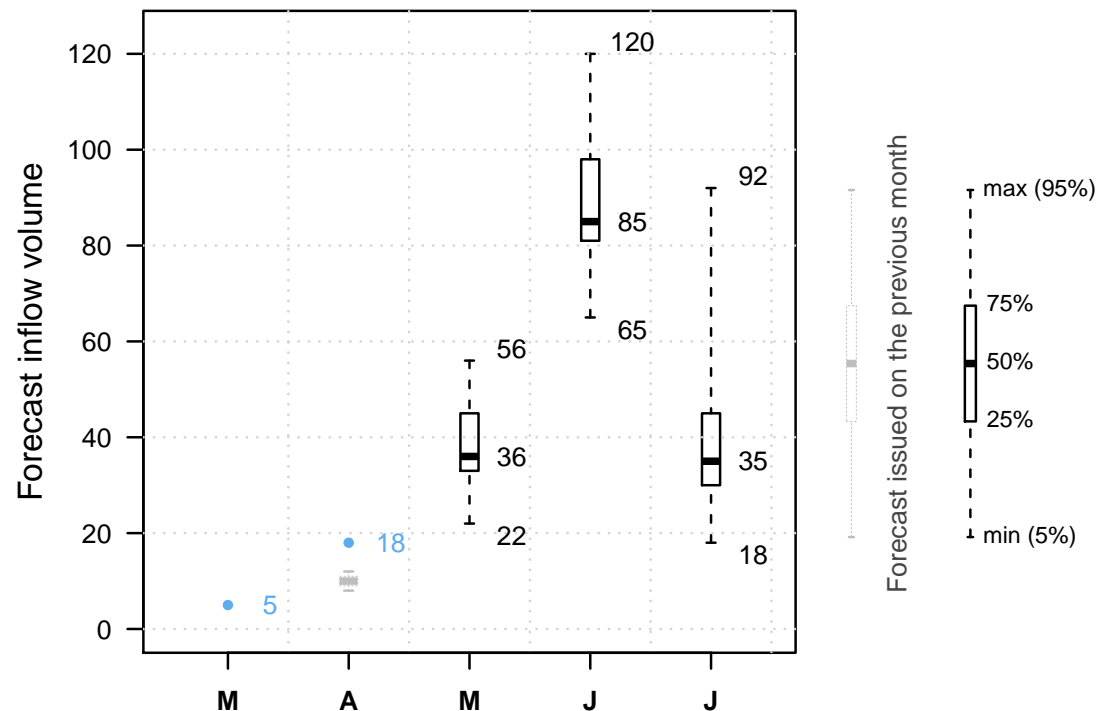


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

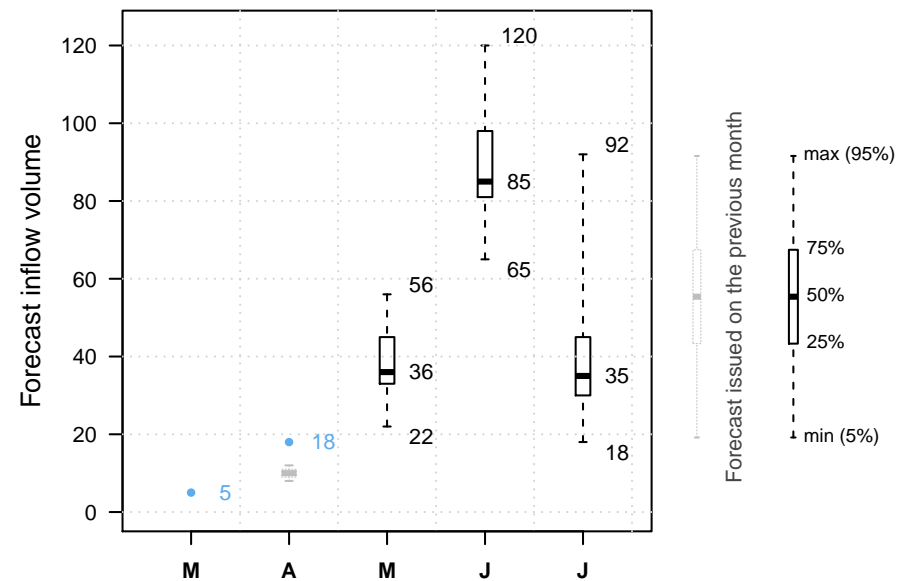
Previous decisions: A



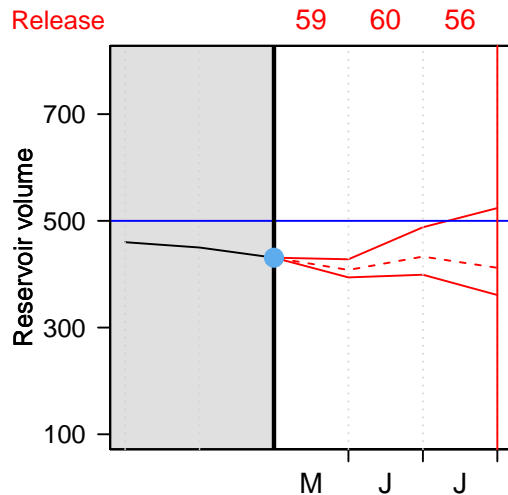
It is May 1st.

And our volunteer?

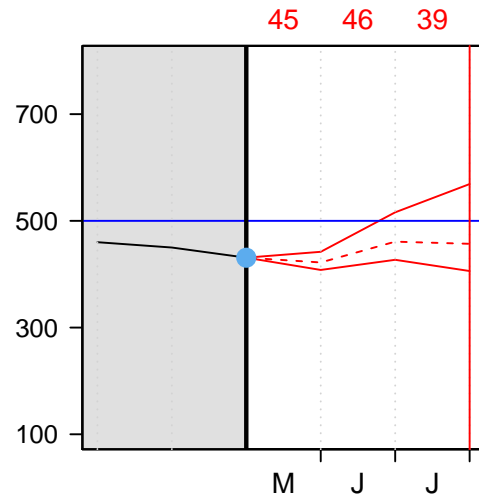
Let's see which release option our volunteer will choose.



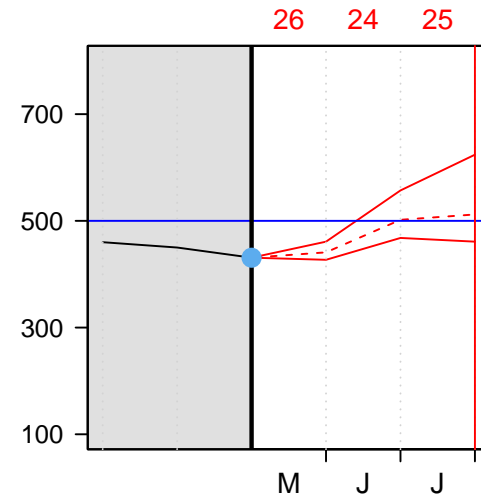
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

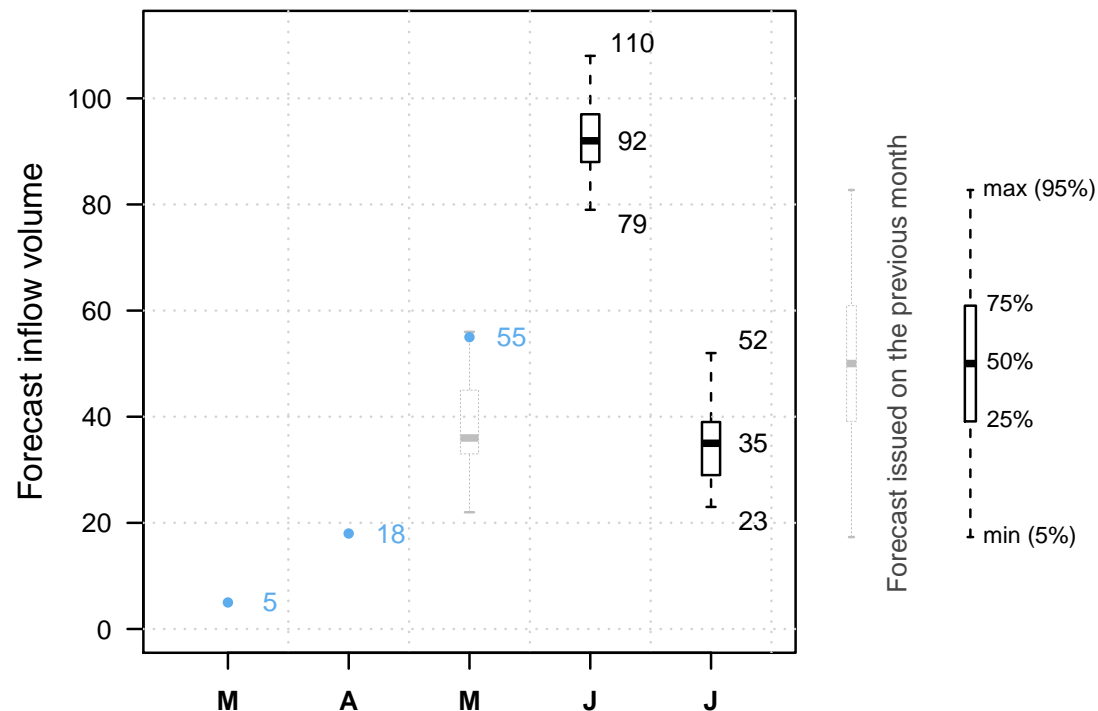


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

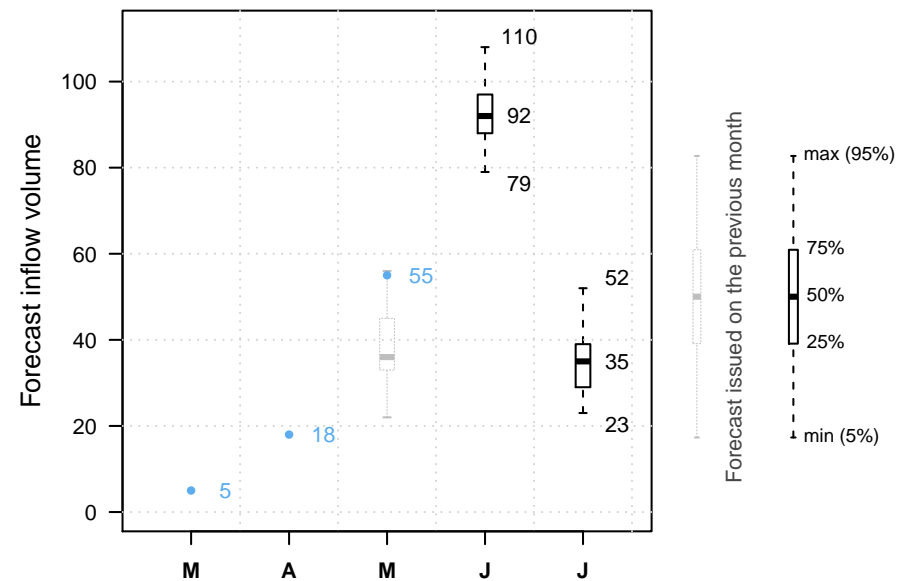
Previous decisions: A B



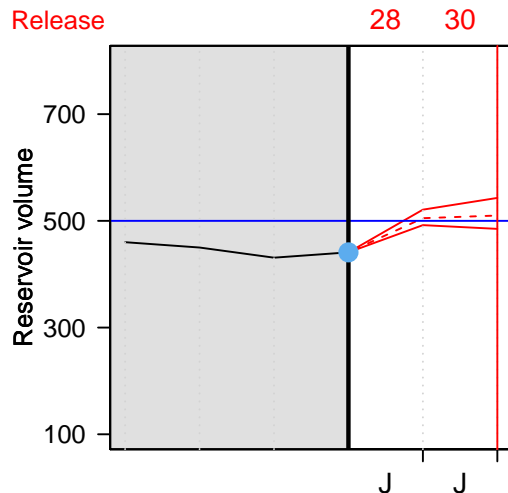
It is June 1st.

And our volunteer?

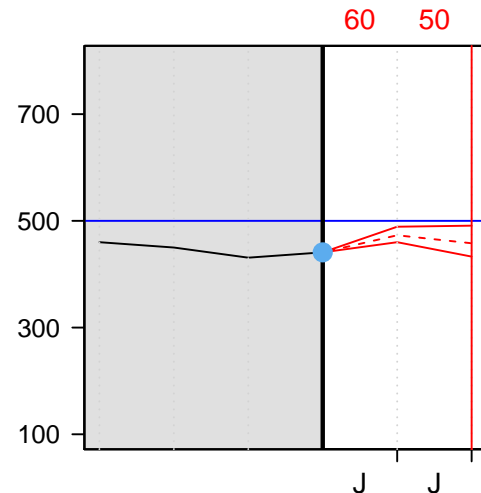
Let's see which release option our volunteer will choose.



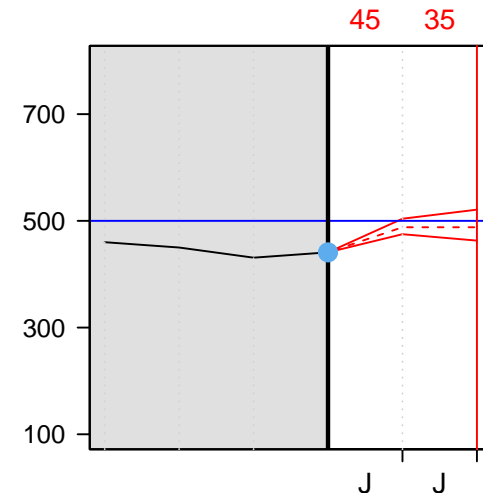
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 533 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

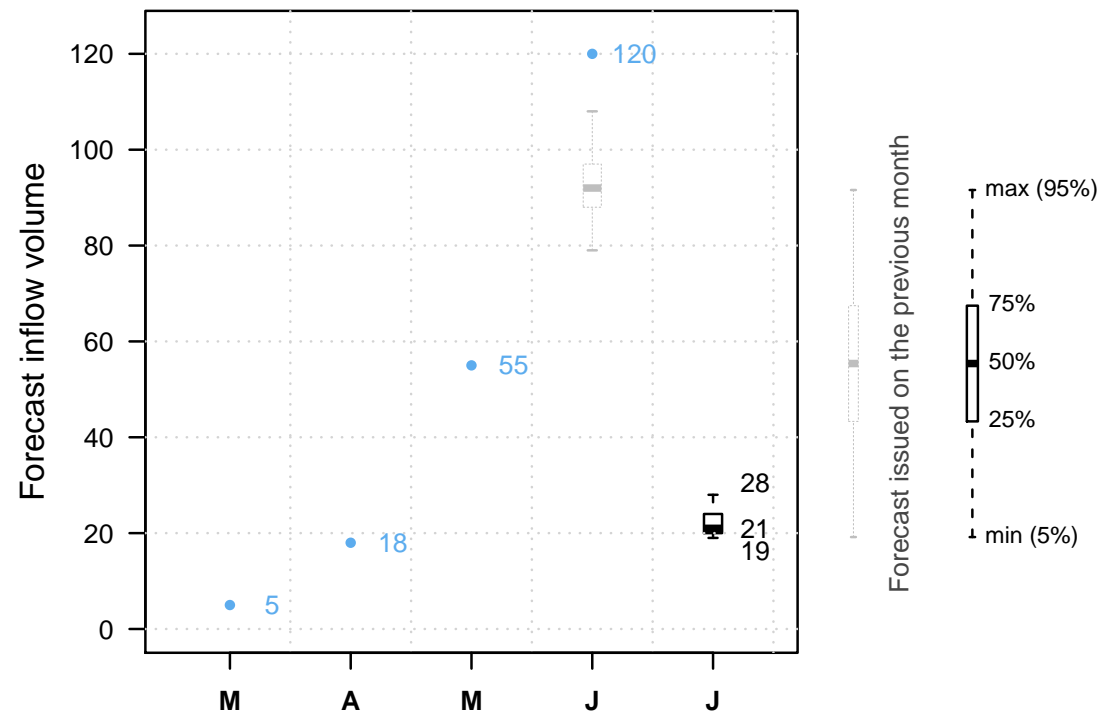


It is July 1st.

The reservoir is at  $533 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

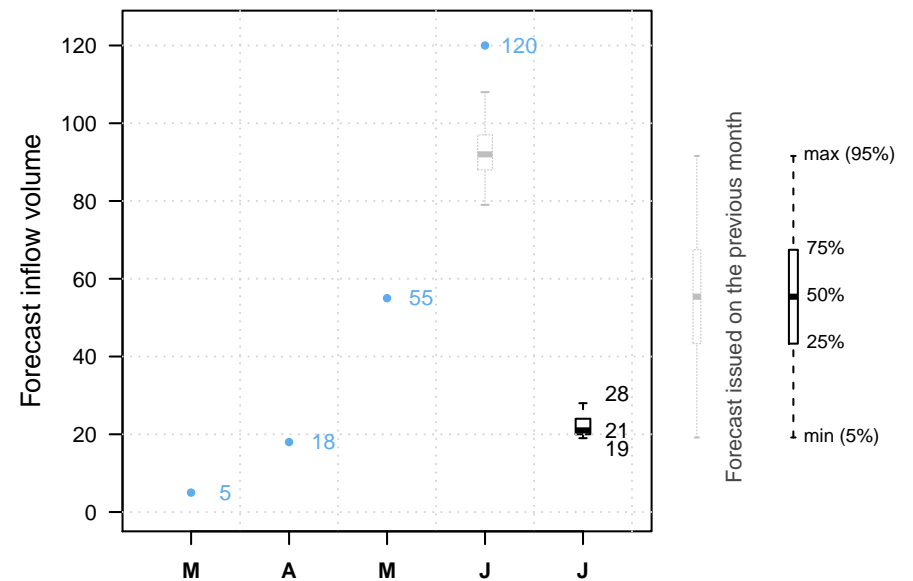
Previous decisions: A B A



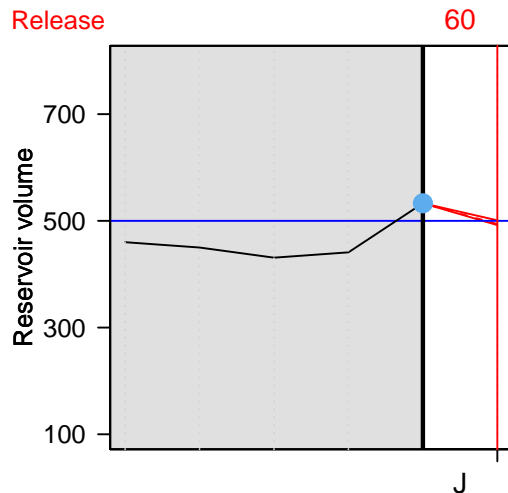
It is July 1st.

And our volunteer?

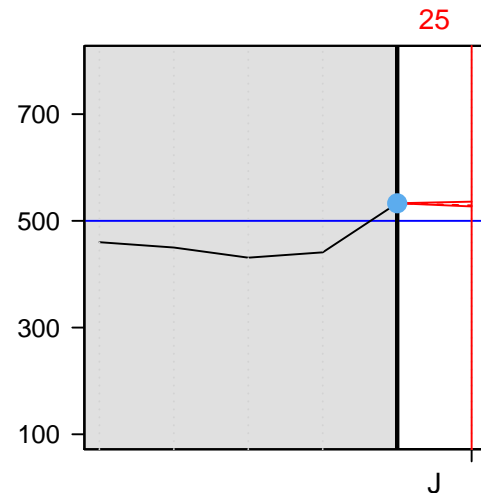
Let's see which release option our volunteer will choose.



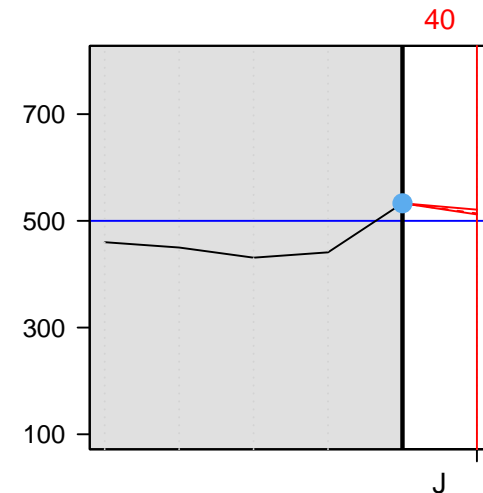
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$533 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 530 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

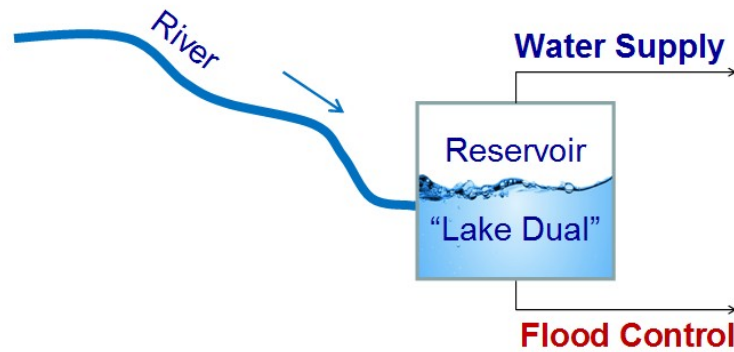
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



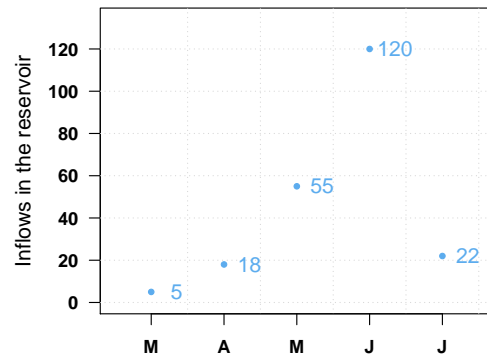
Swof Town



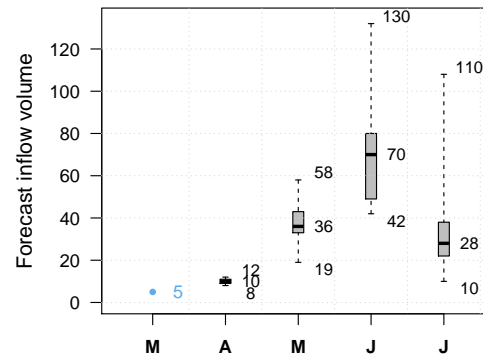
Safe Town



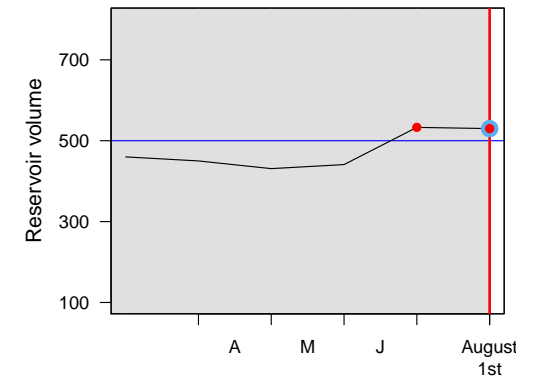
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

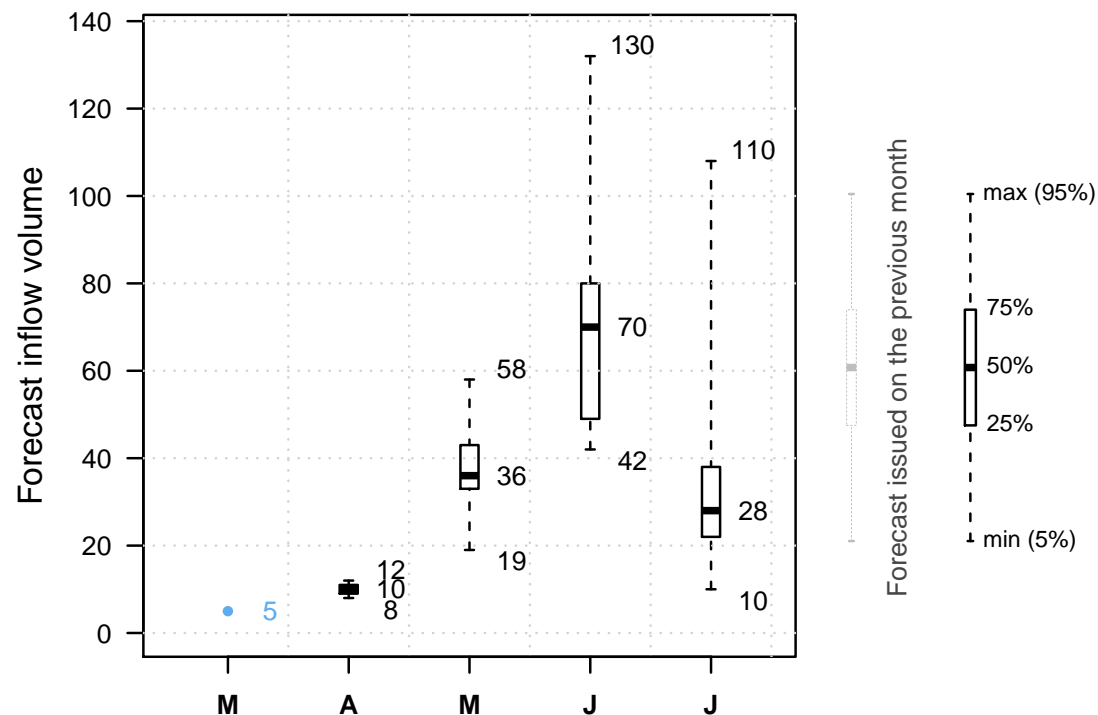


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

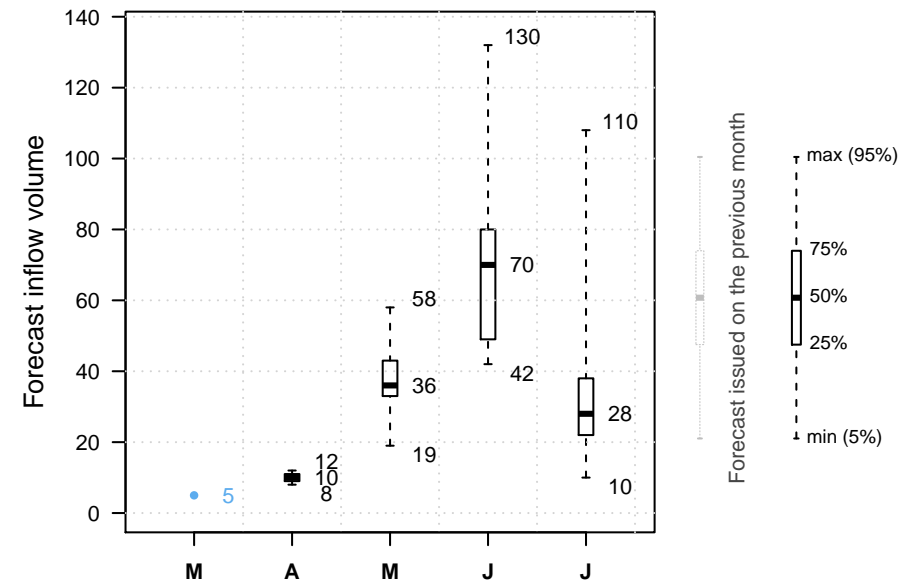
NEXT



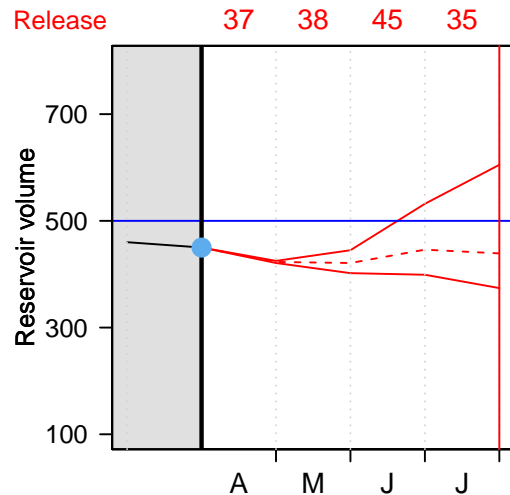
It is April 1st.

And our volunteer?

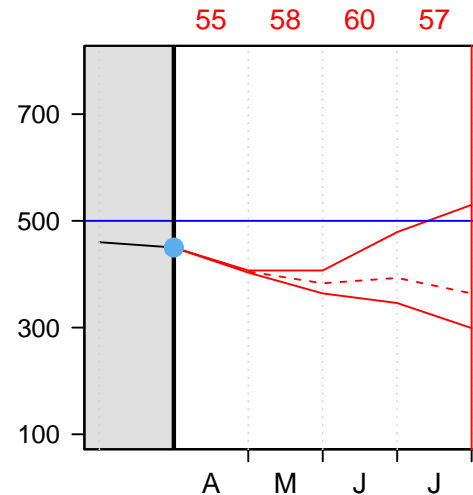
Let's see which release option our volunteer will choose.



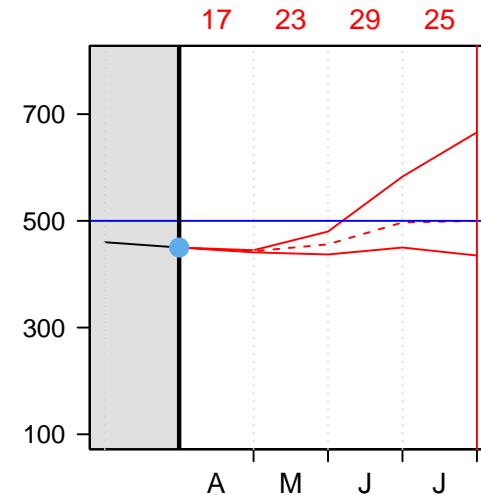
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

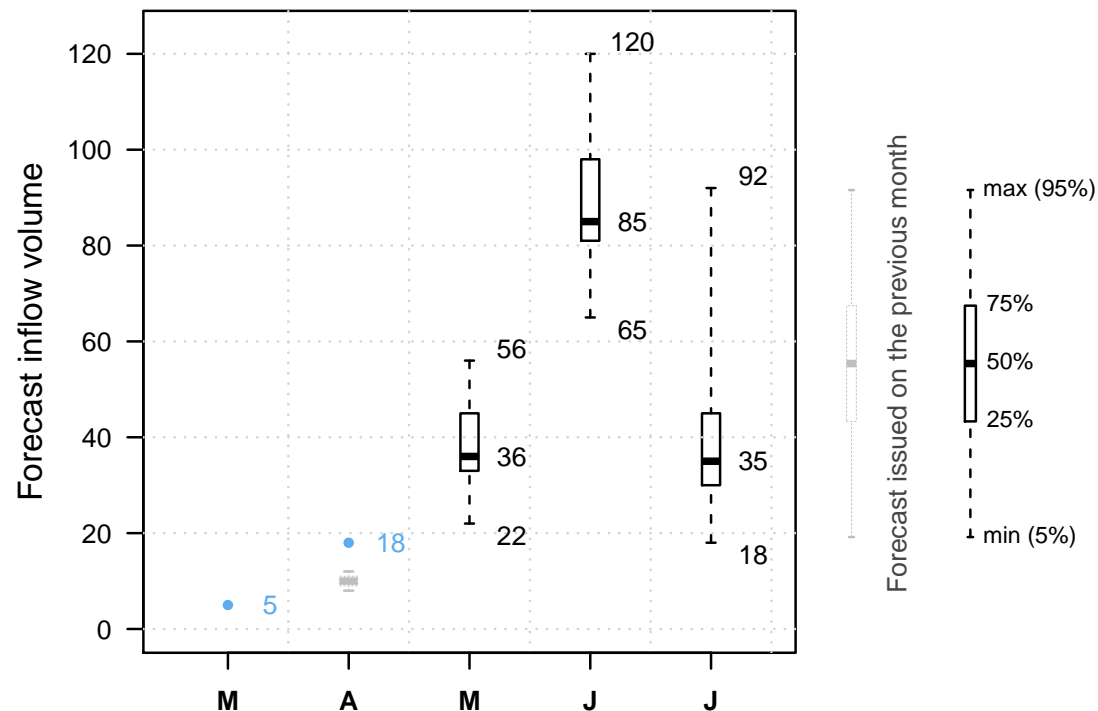


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



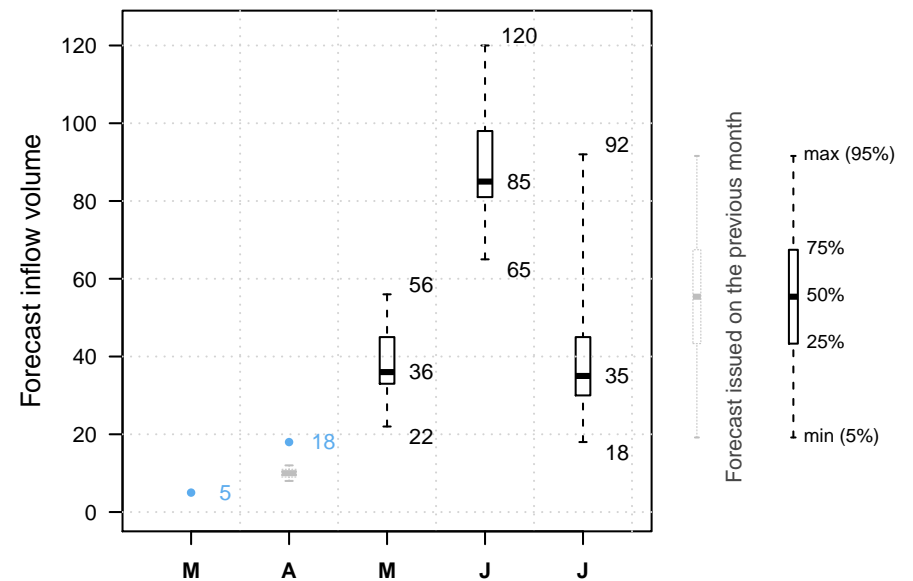
Previous decisions: B



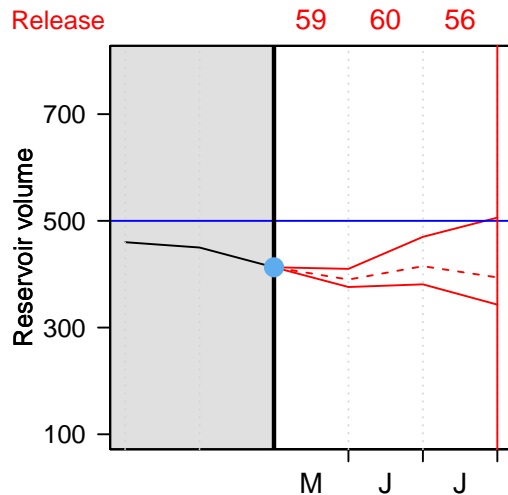
It is May 1st.

And our volunteer?

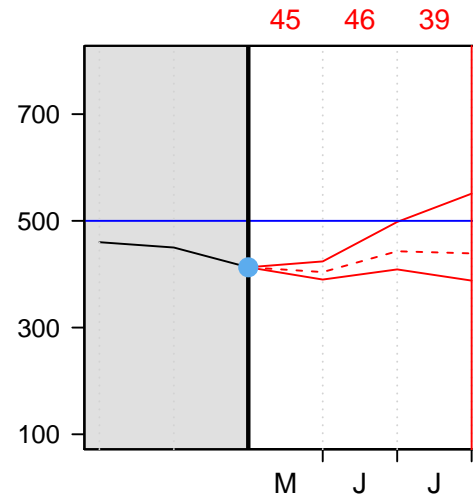
Let's see which release option our volunteer will choose.



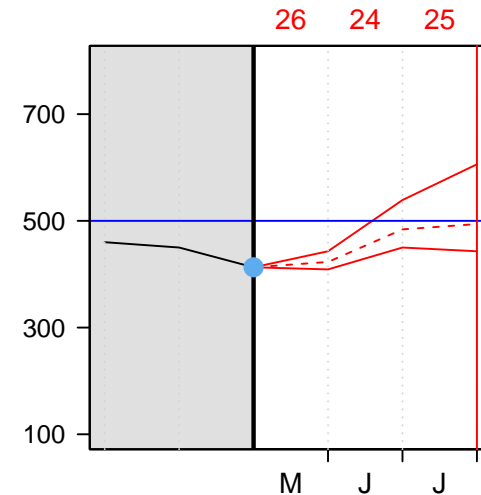
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

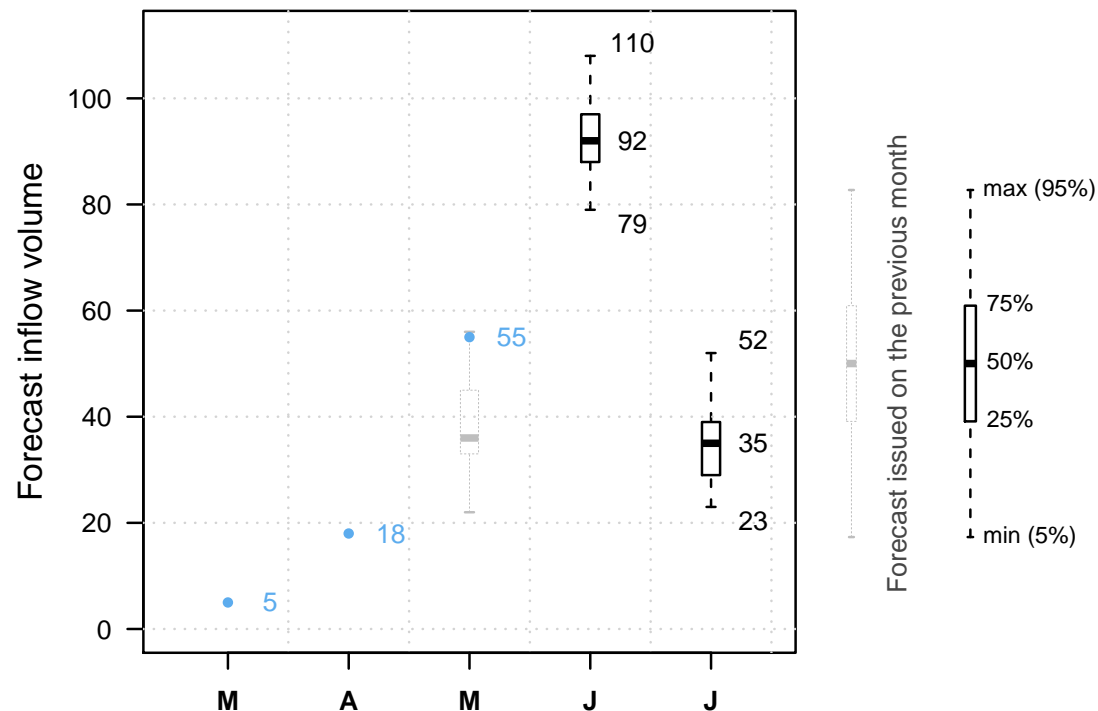


It is June 1st.

The reservoir is at  $423 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

NEXT

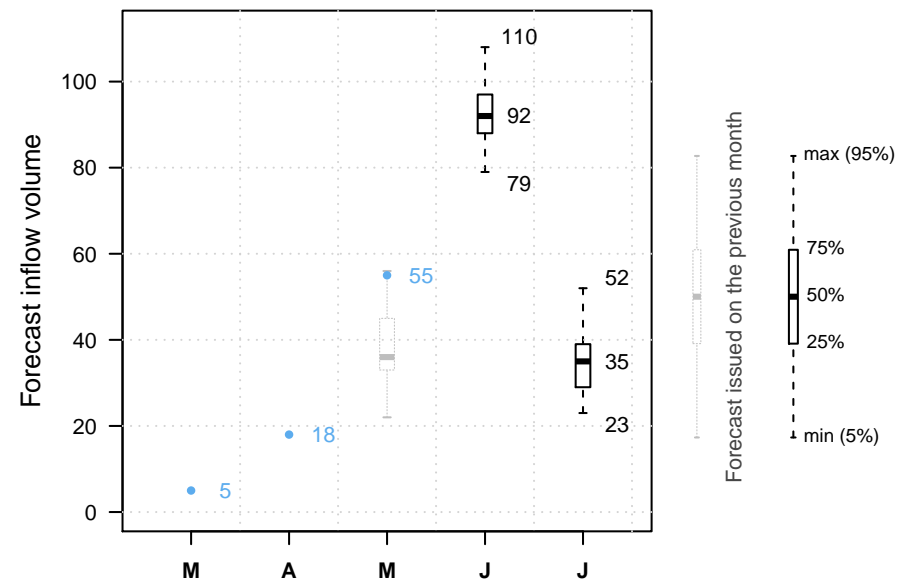
Previous decisions: B B



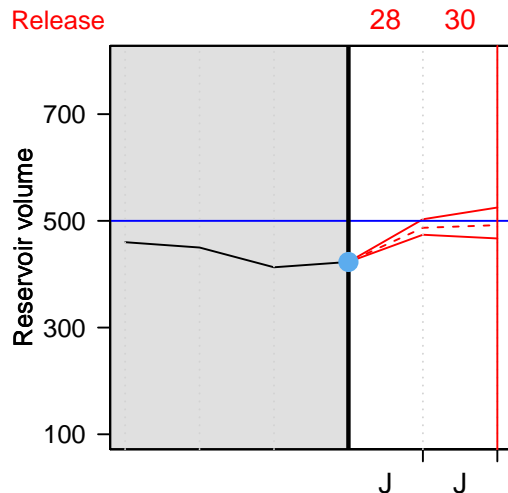
It is June 1st.

And our volunteer?

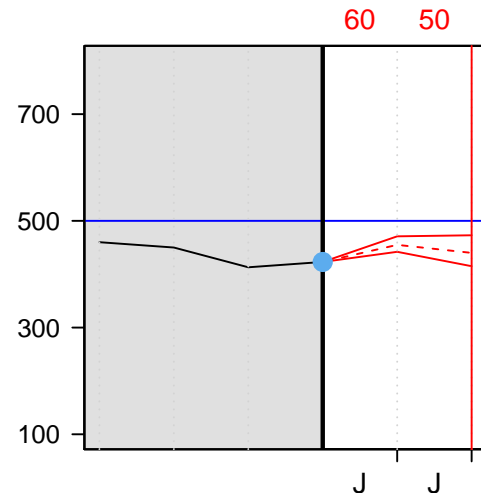
Let's see which release option our volunteer will choose.



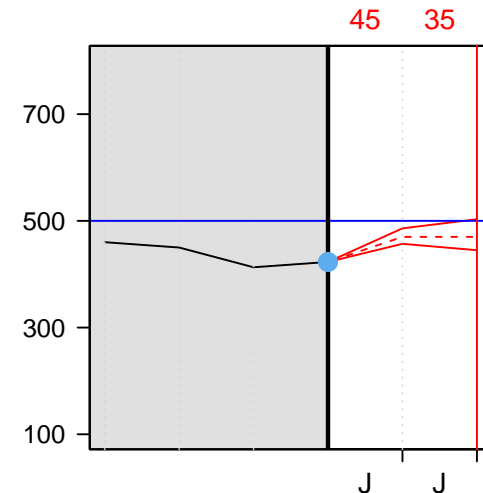
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 515 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

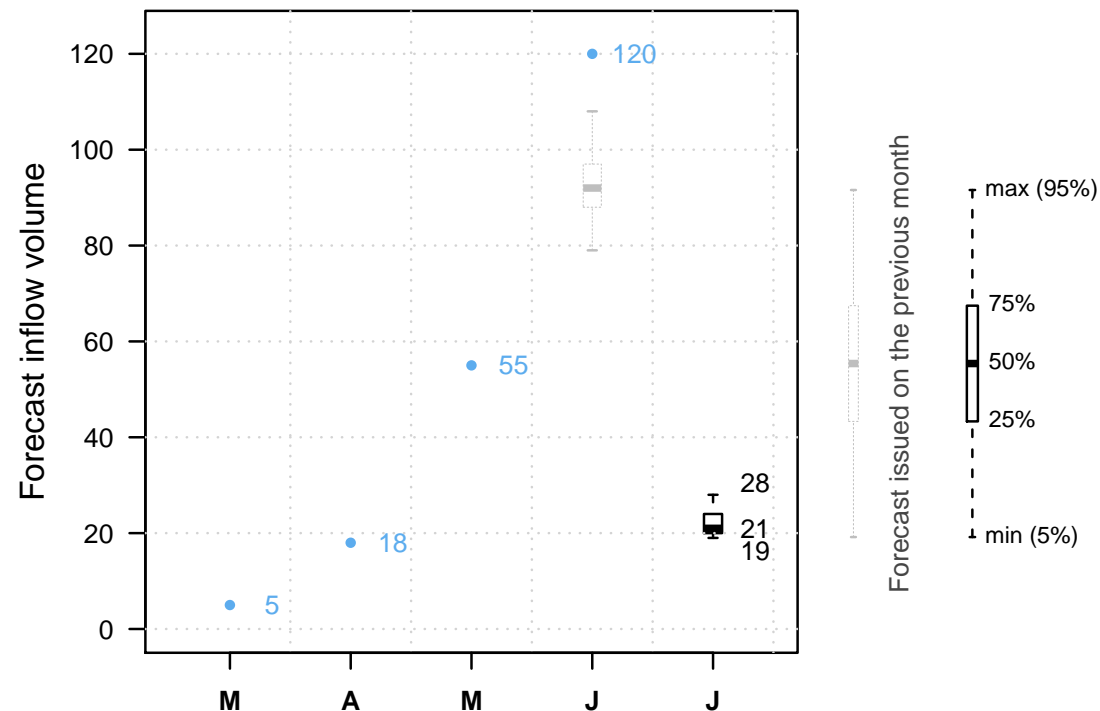


It is July 1st.

The reservoir is at  $515 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



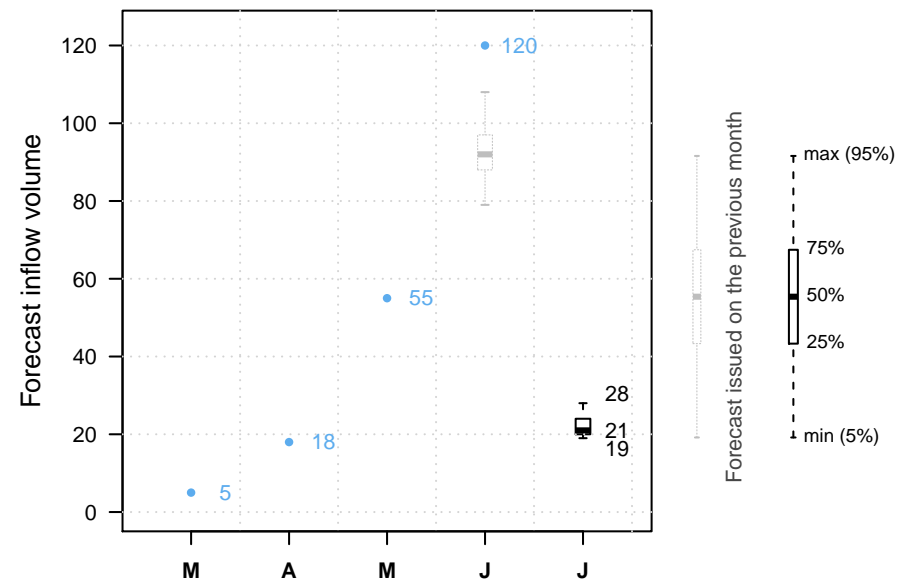
Previous decisions: B B A



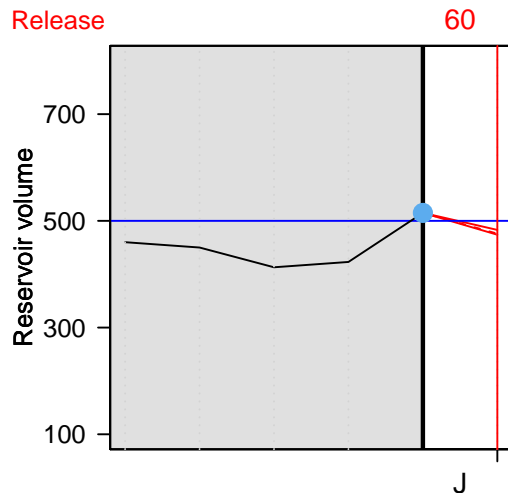
It is July 1st.

And our volunteer?

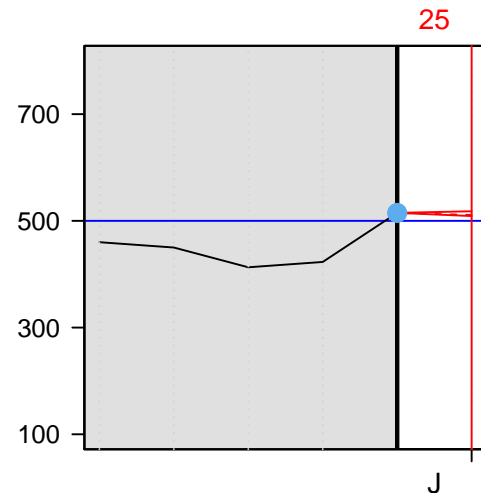
Let's see which release option our volunteer will choose.



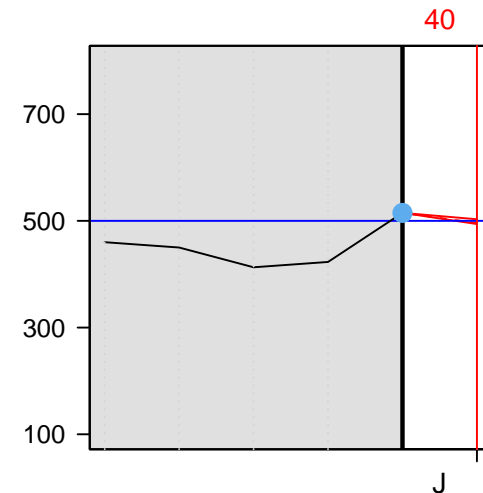
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$515 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 512 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

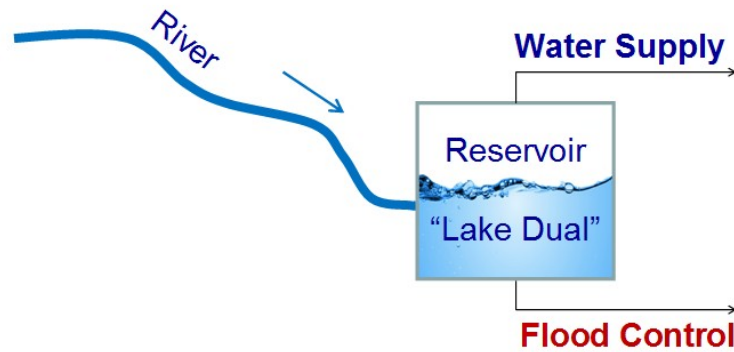
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



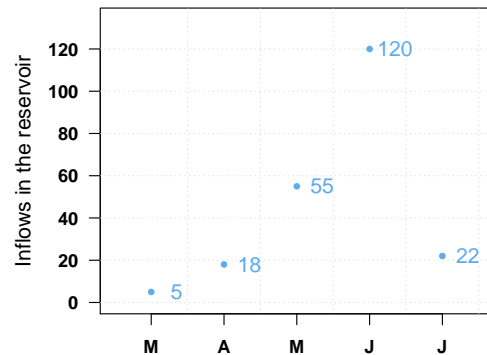
Swof Town



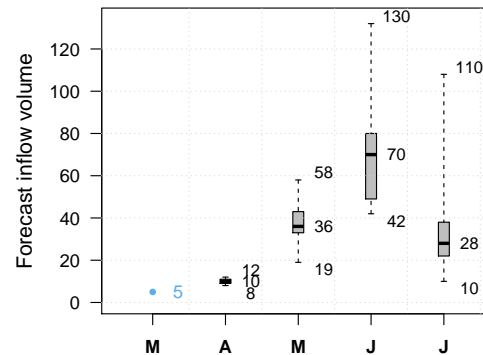
Safe Town



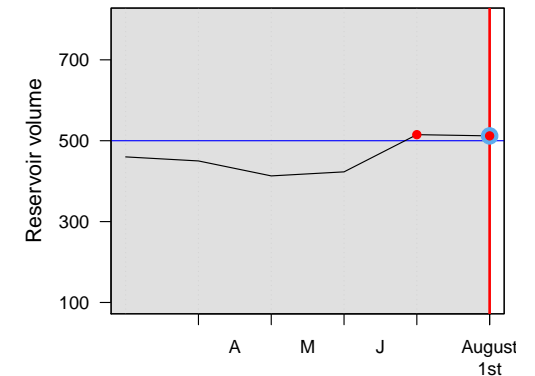
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

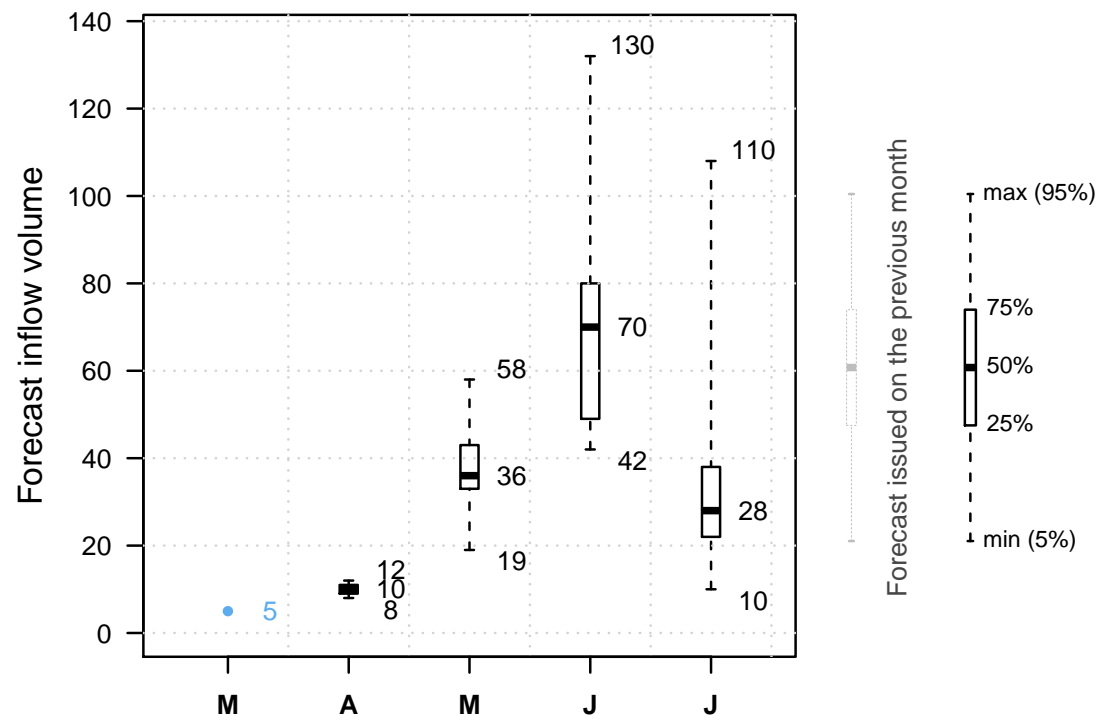


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

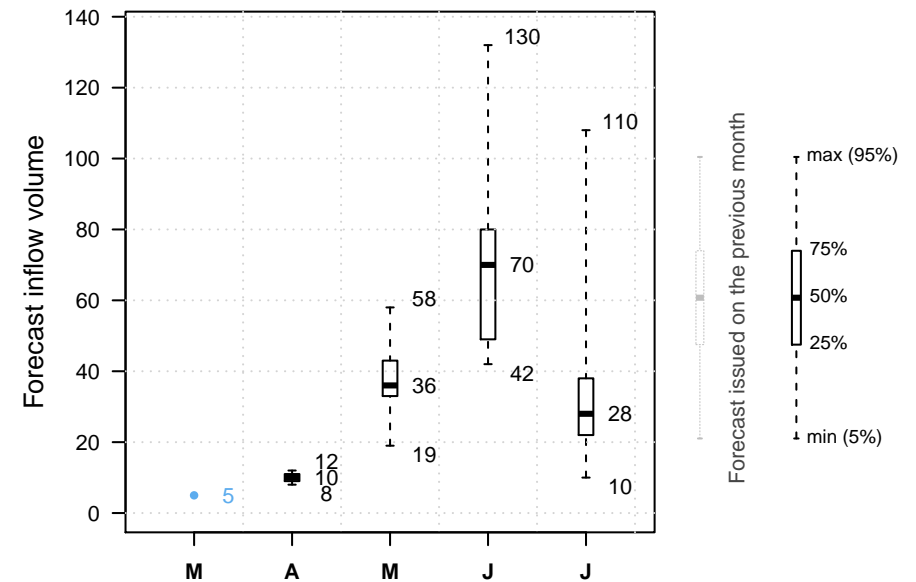
**NEXT**



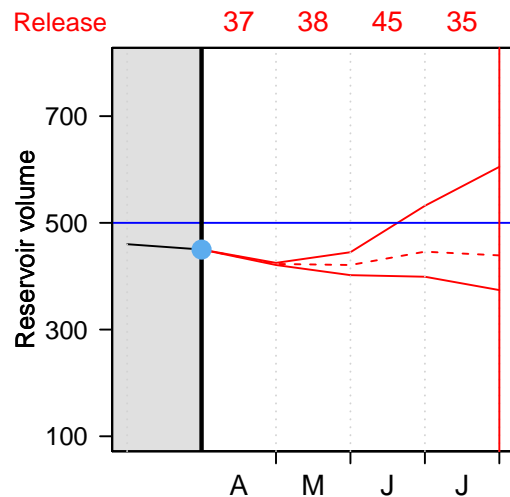
It is April 1st.

And our volunteer?

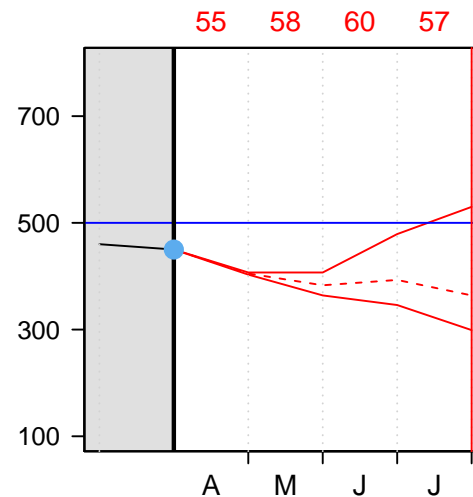
Let's see which release option our volunteer will choose.



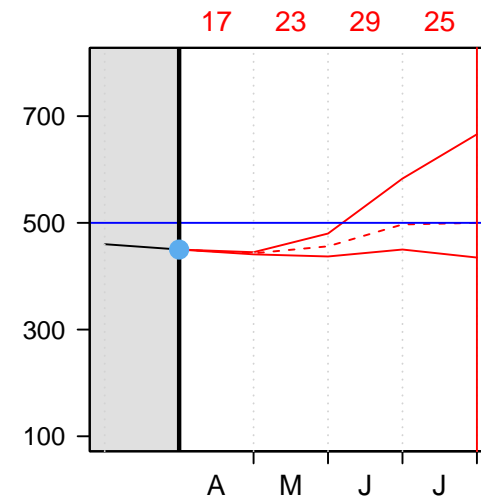
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



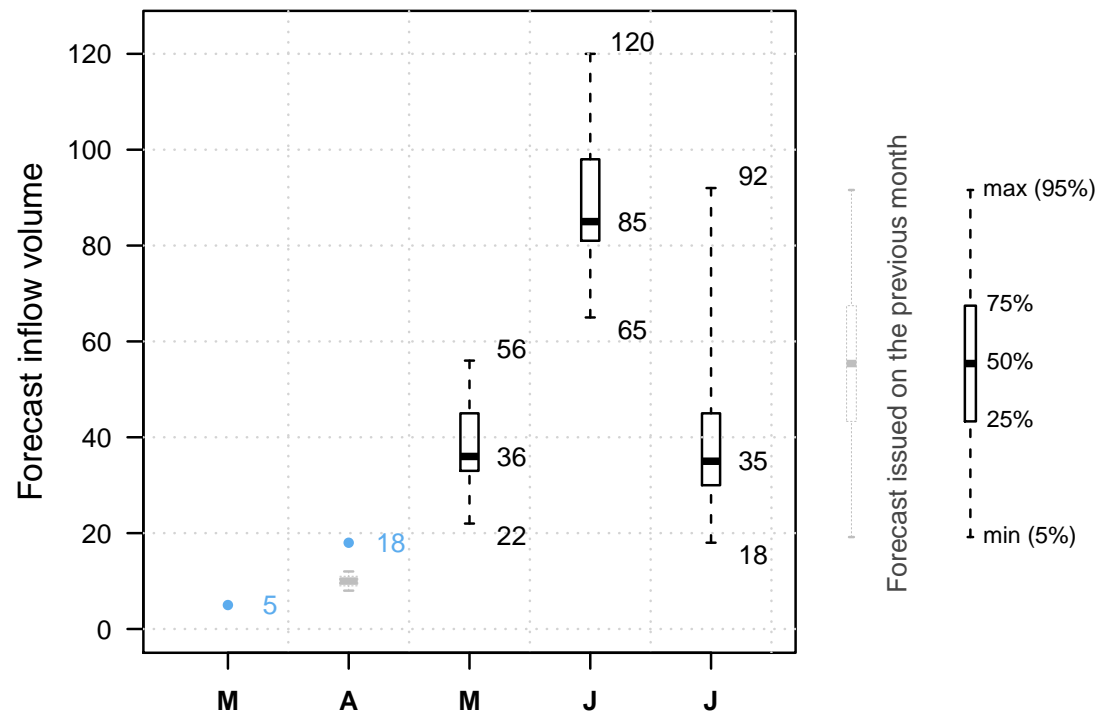


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

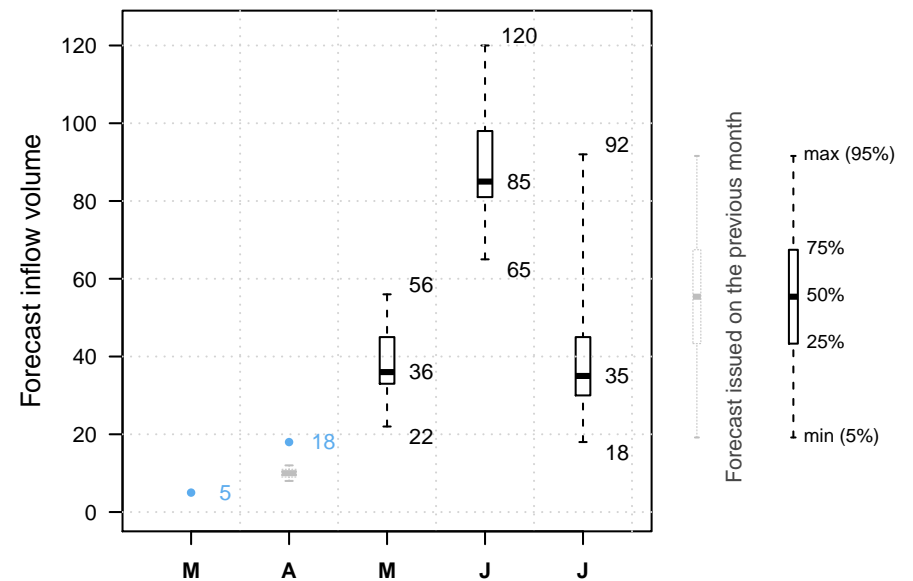
Previous decisions: C



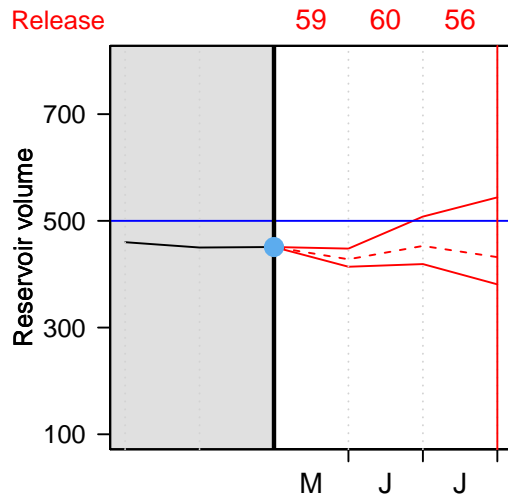
It is May 1st.

And our volunteer?

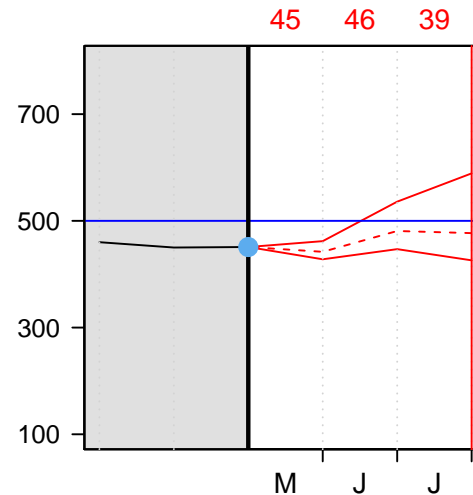
Let's see which release option our volunteer will choose.



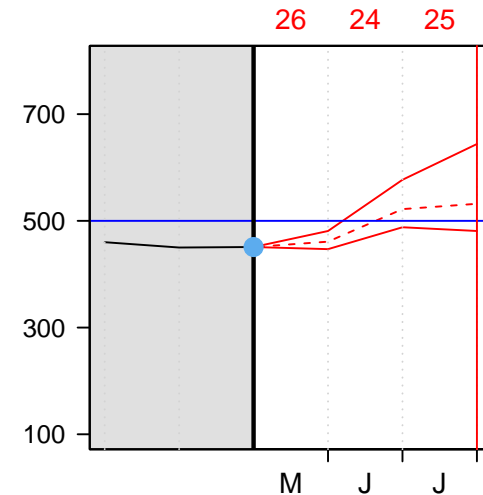
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

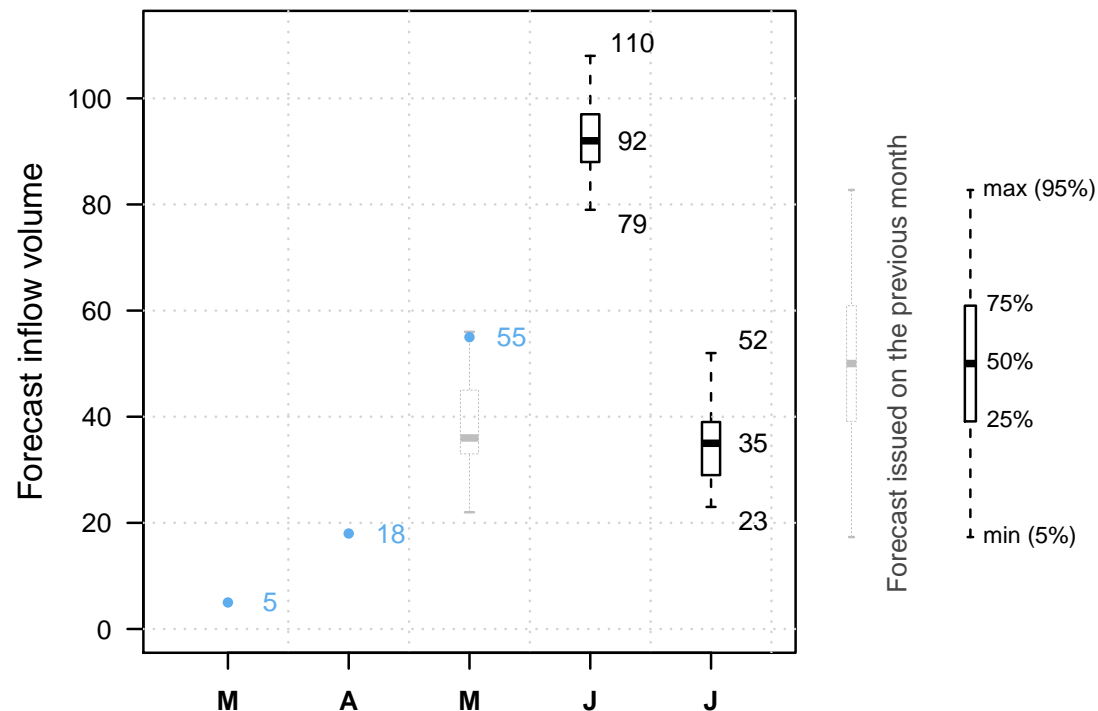


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

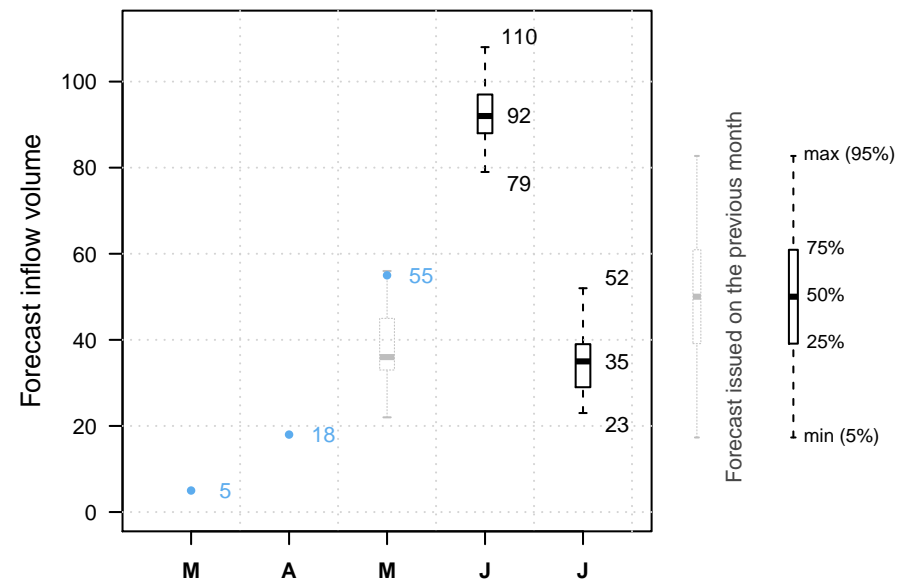
Previous decisions: C B



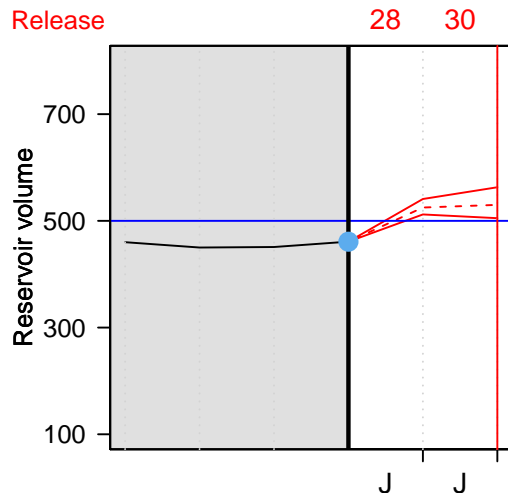
It is June 1st.

And our volunteer?

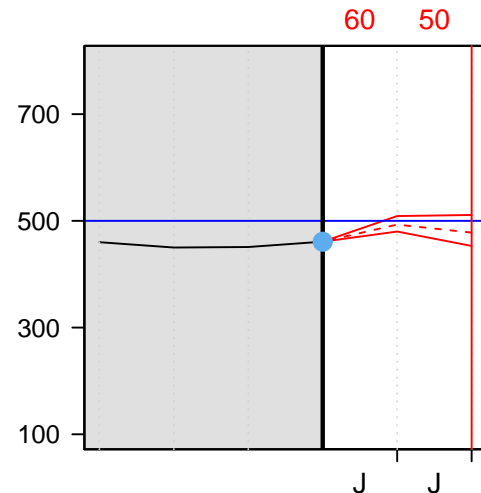
Let's see which release option our volunteer will choose.



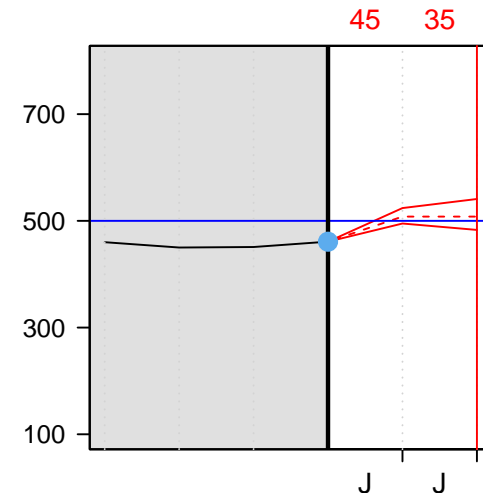
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 553 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



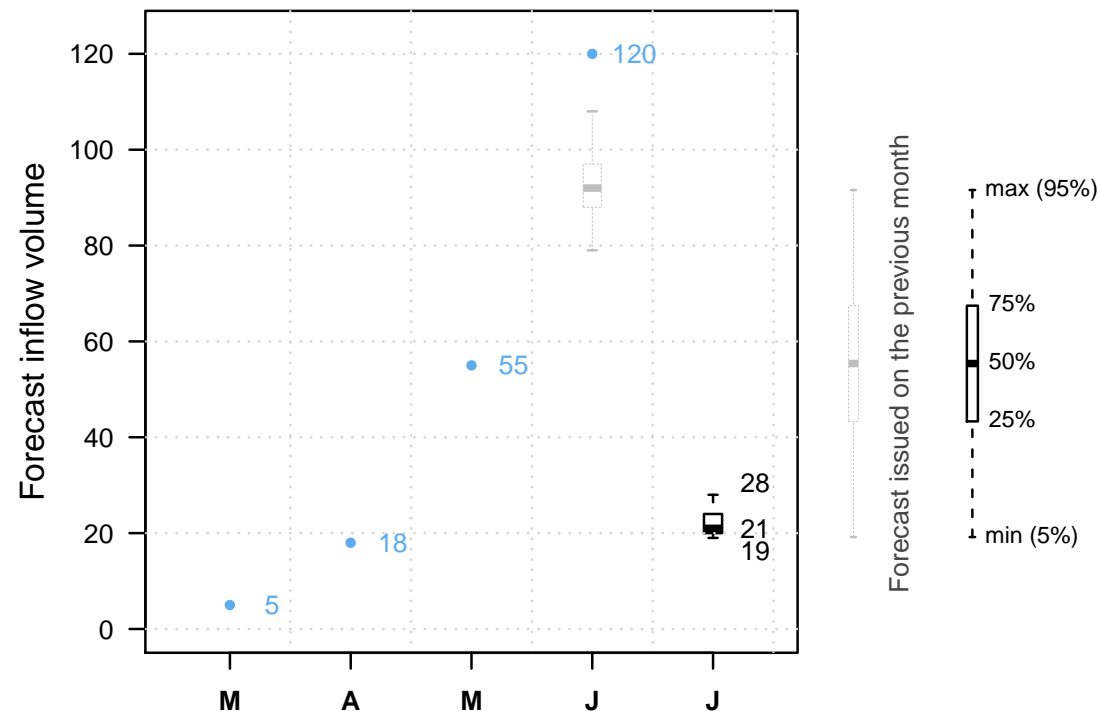


It is July 1st.

The reservoir is at  $553 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

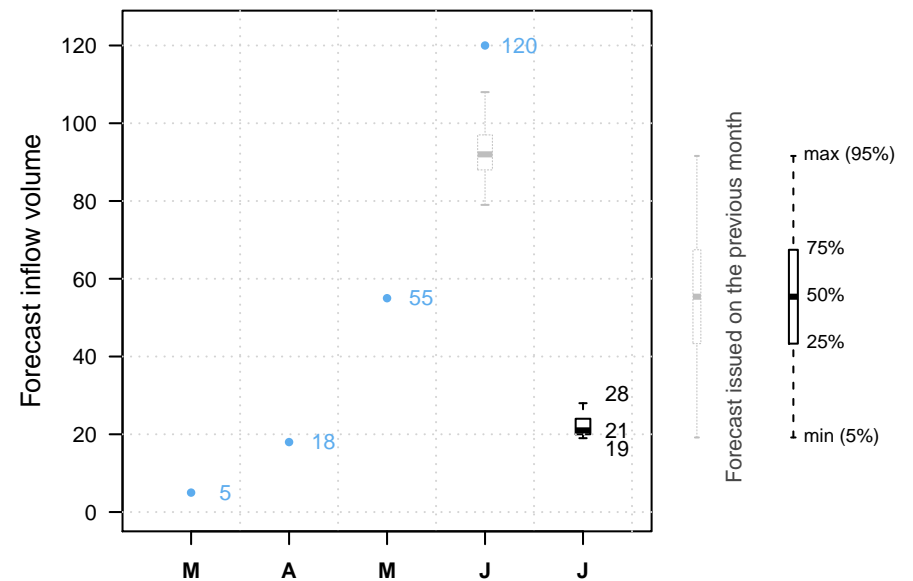
Previous decisions: C B A



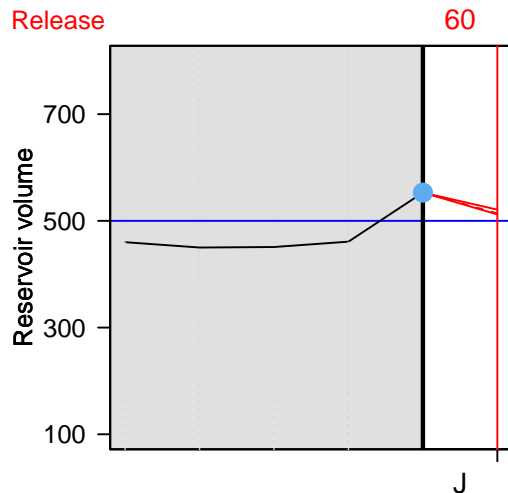
It is July 1st.

And our volunteer?

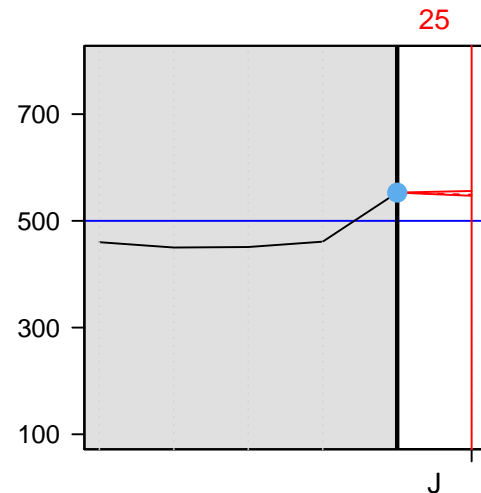
Let's see which release option our volunteer will choose.



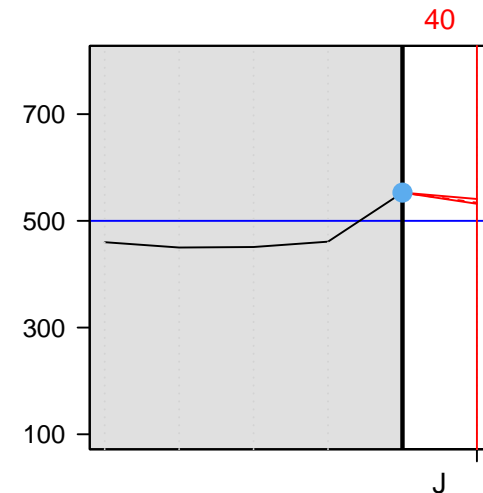
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$553 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 550 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

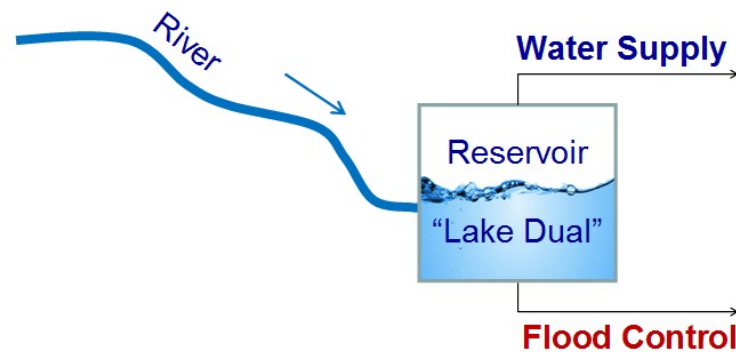
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



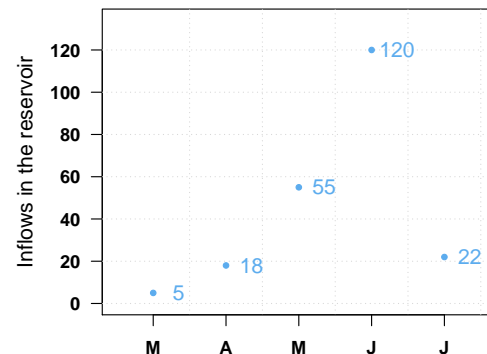
Swof Town



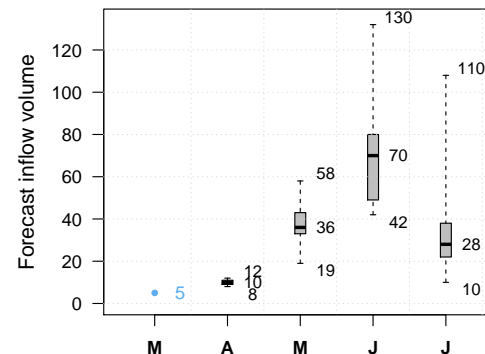
Safe Town



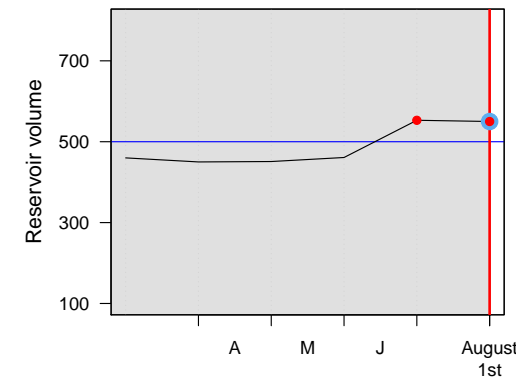
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

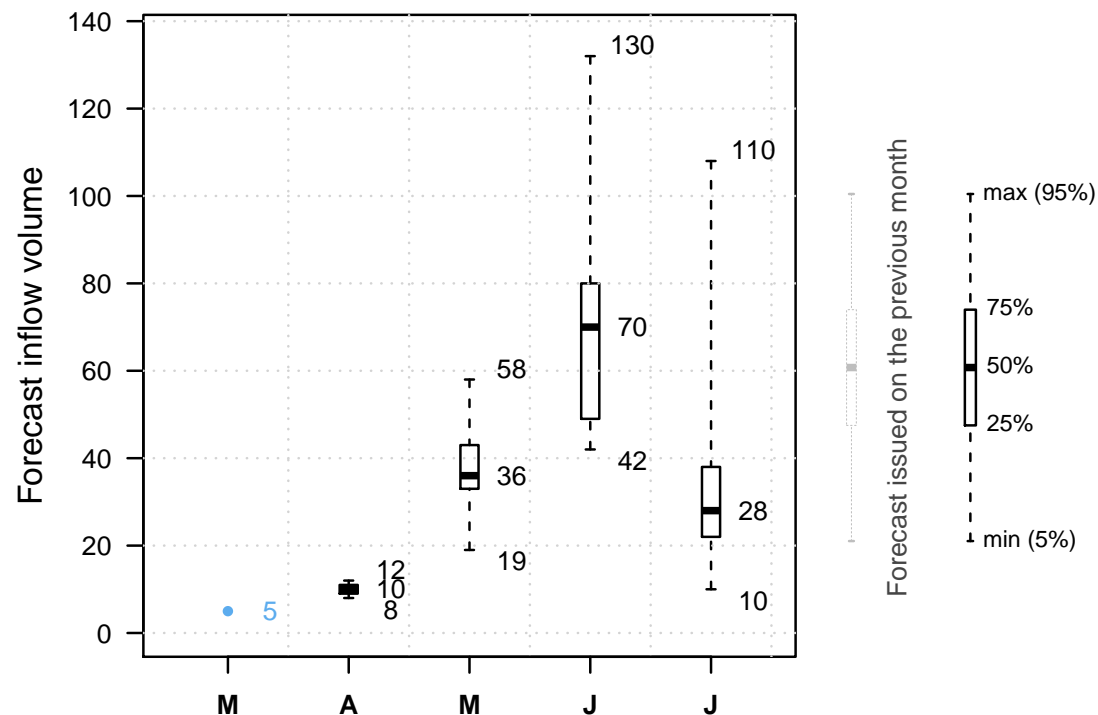


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

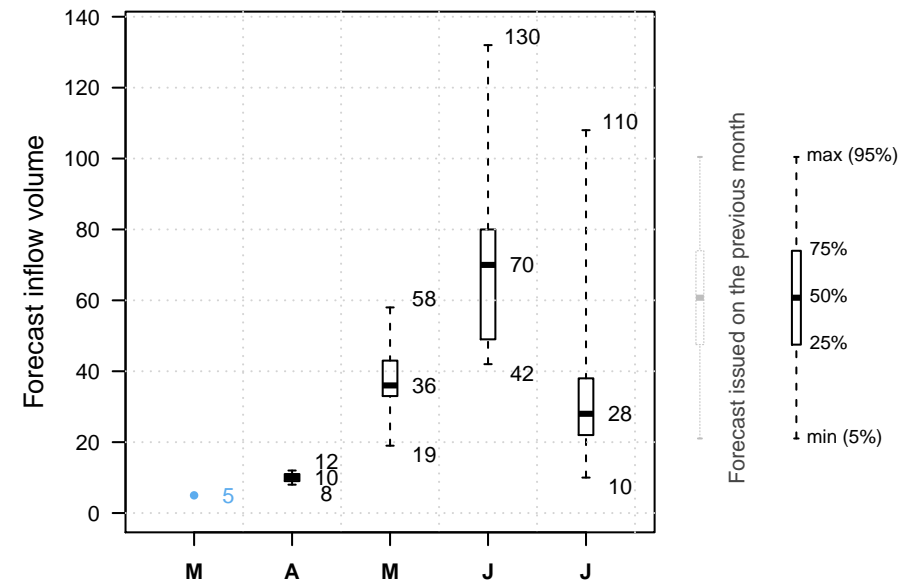
**NEXT**



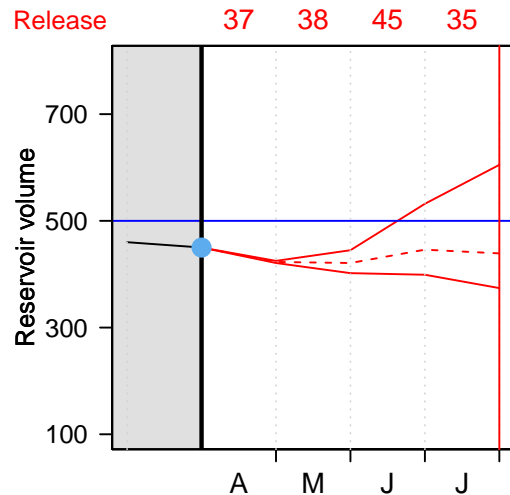
It is April 1st.

And our volunteer?

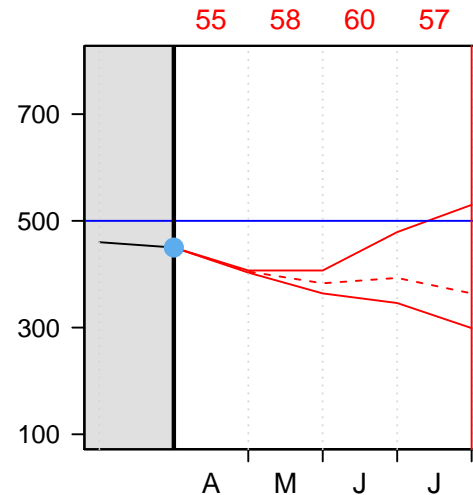
Let's see which release option our volunteer will choose.



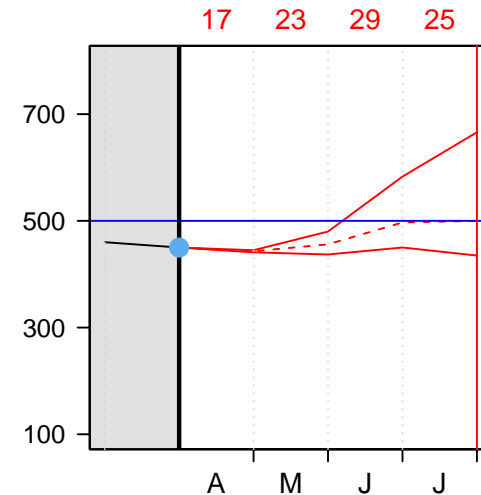
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

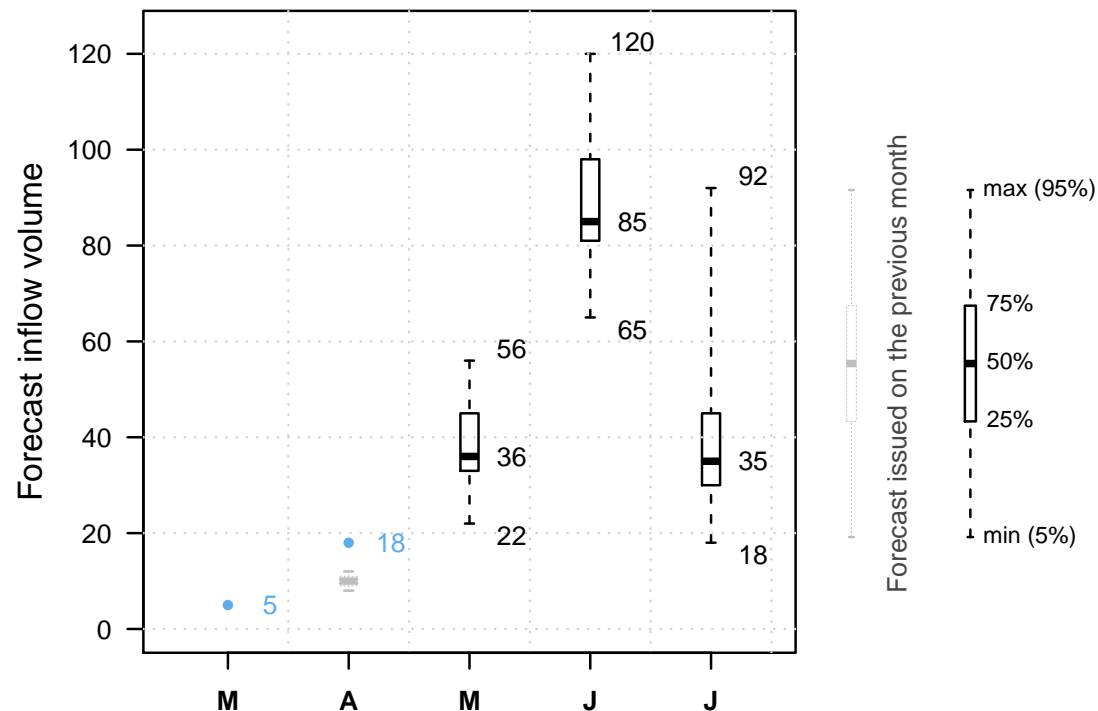


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

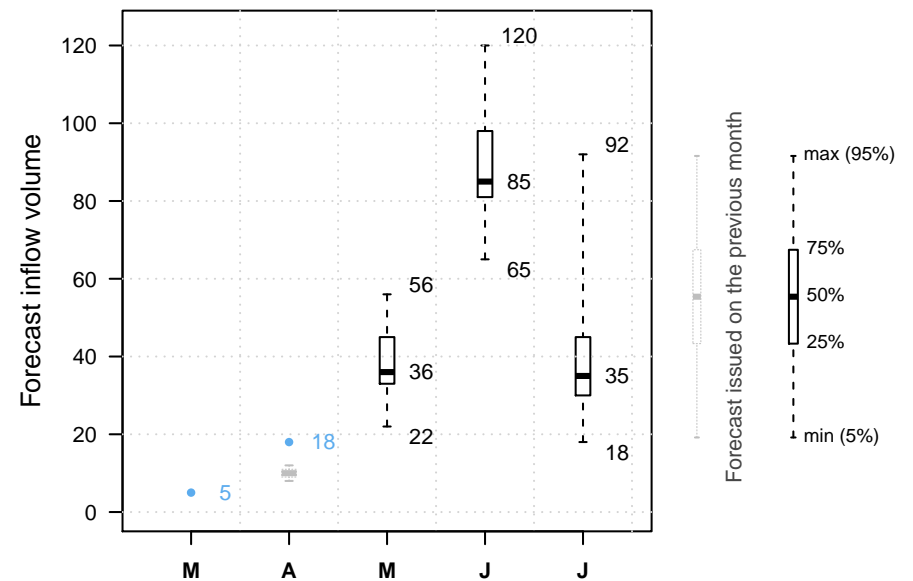
Previous decisions: A



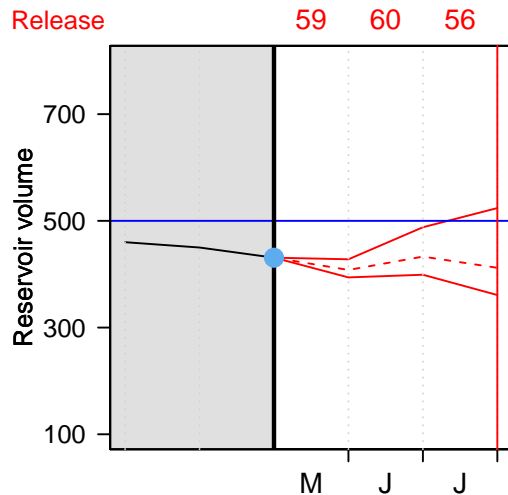
It is May 1st.

And our volunteer?

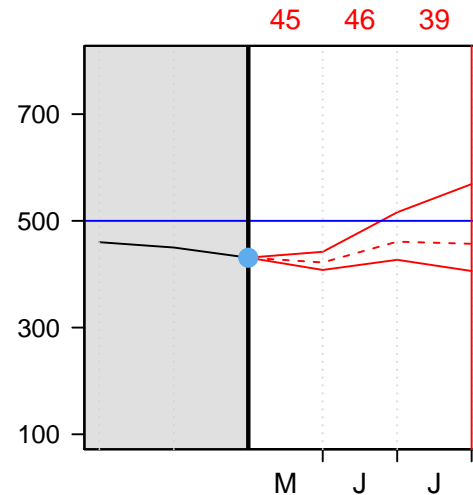
Let's see which release option our volunteer will choose.



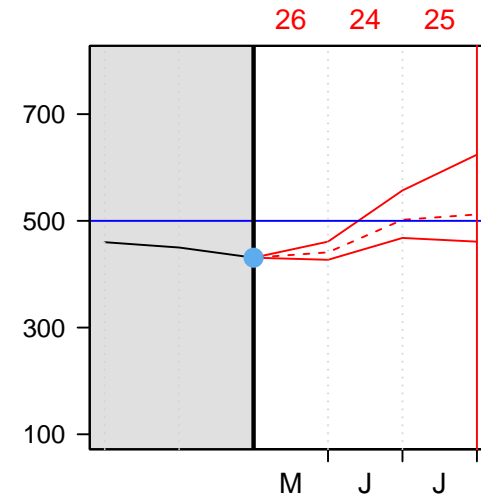
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

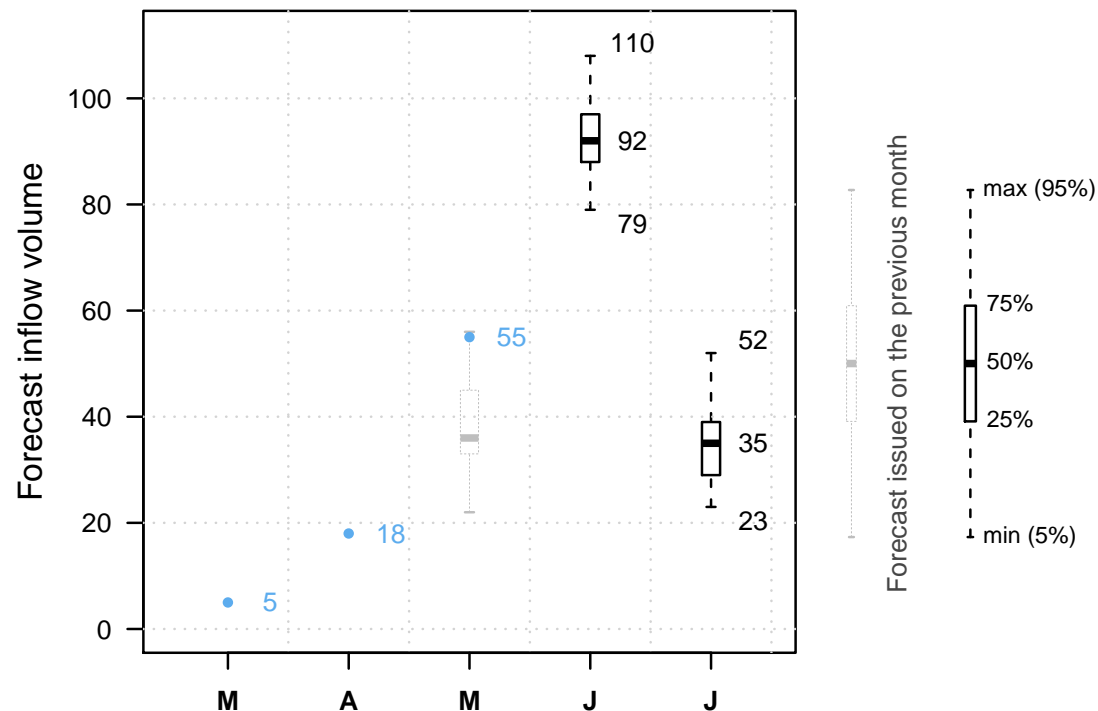


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

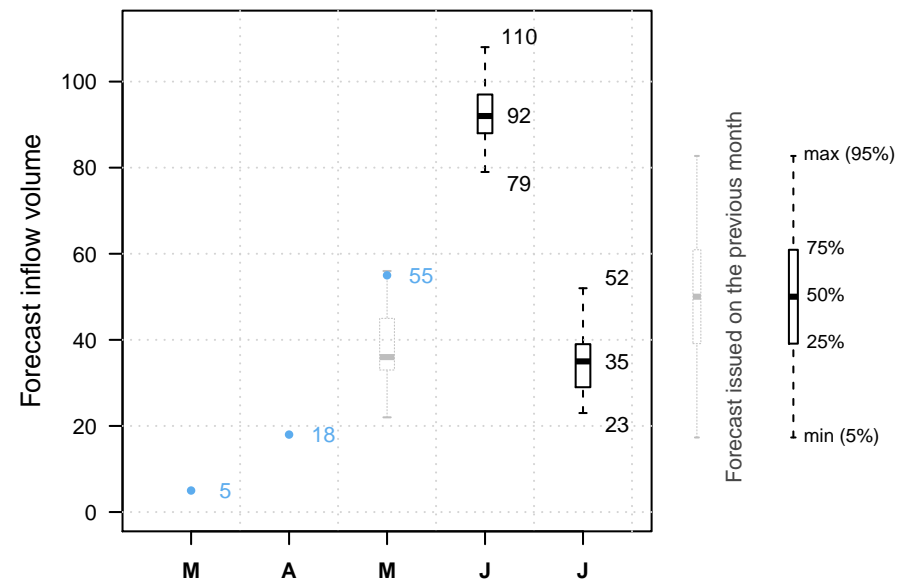
Previous decisions: A C



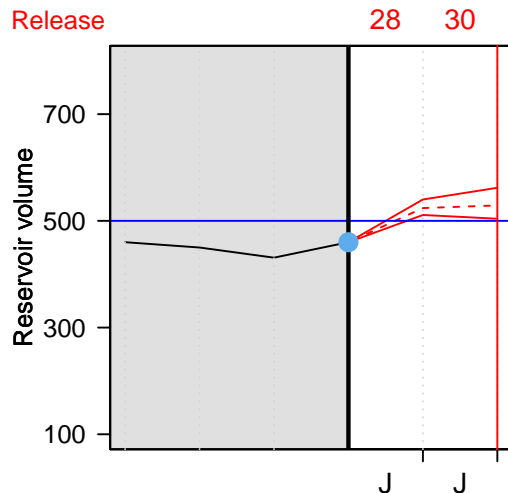
It is June 1st.

And our volunteer?

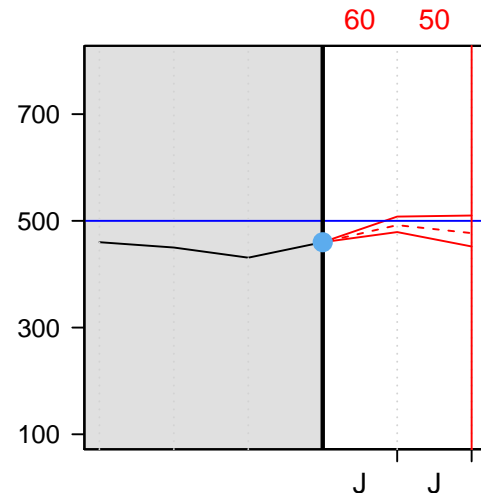
Let's see which release option our volunteer will choose.



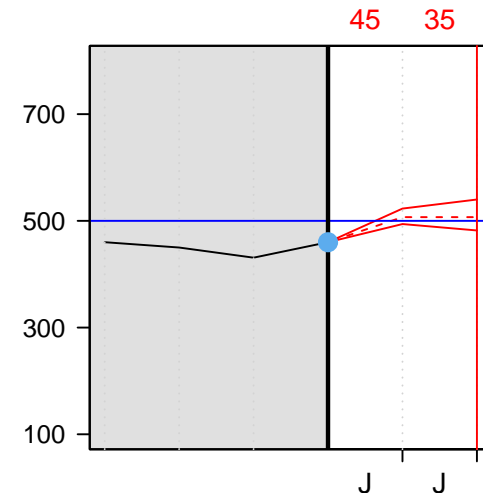
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 552 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

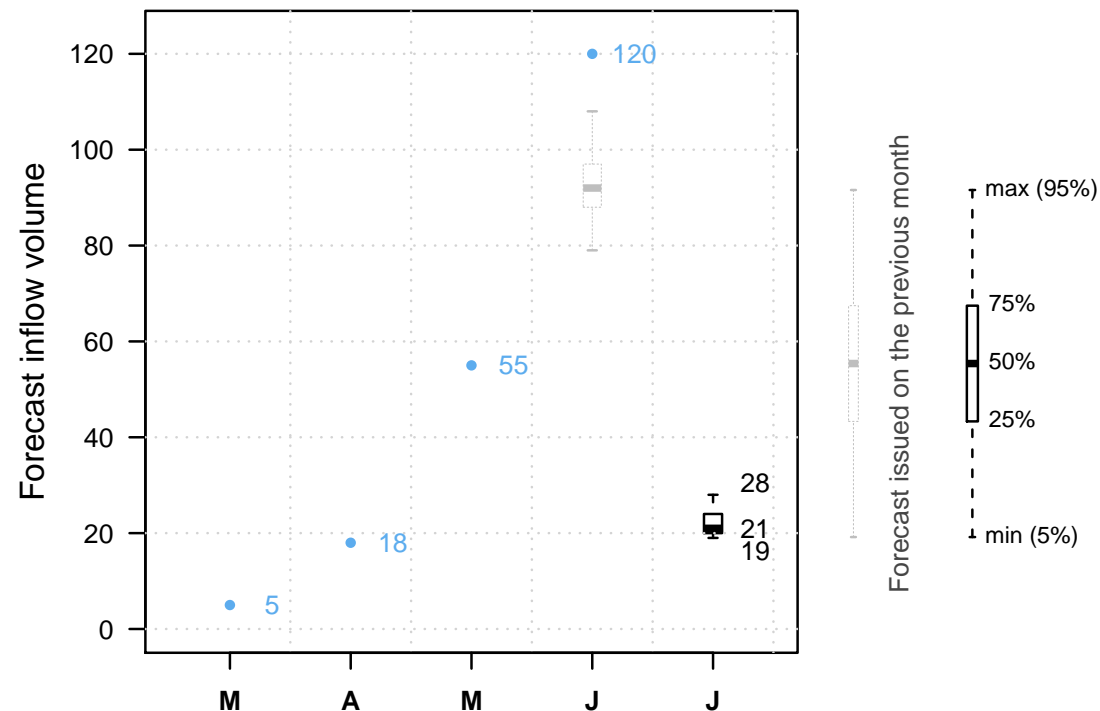


It is July 1st.

The reservoir is at  $552 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

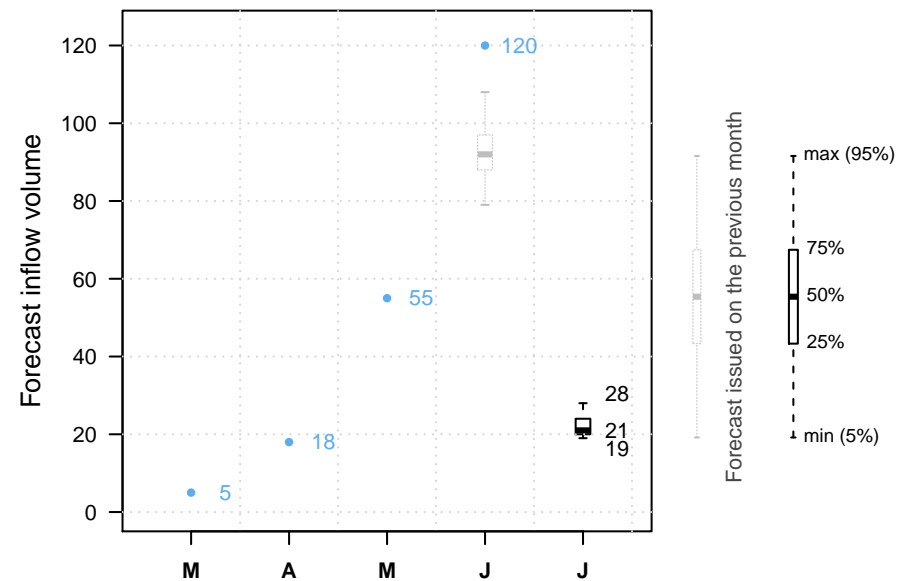
Previous decisions: A C A



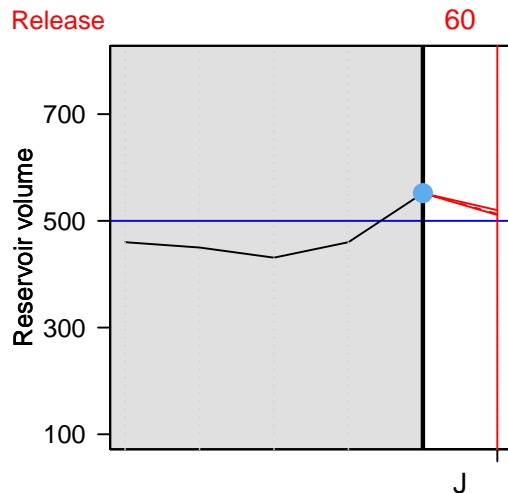
It is July 1st.

And our volunteer?

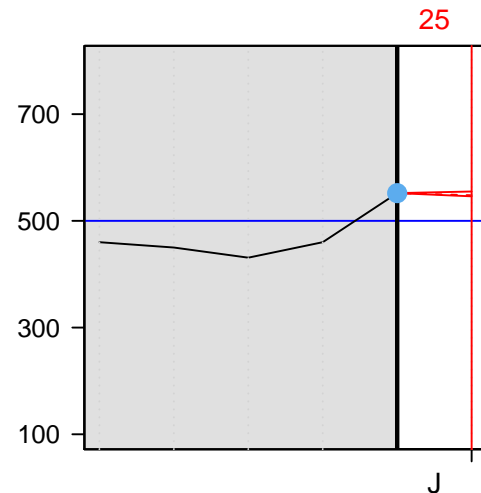
Let's see which release option our volunteer will choose.



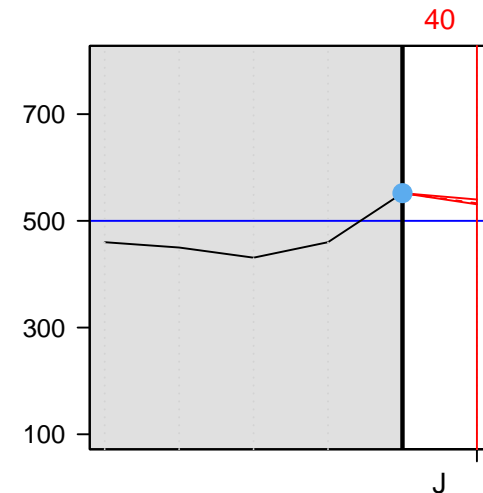
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$552 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 549 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

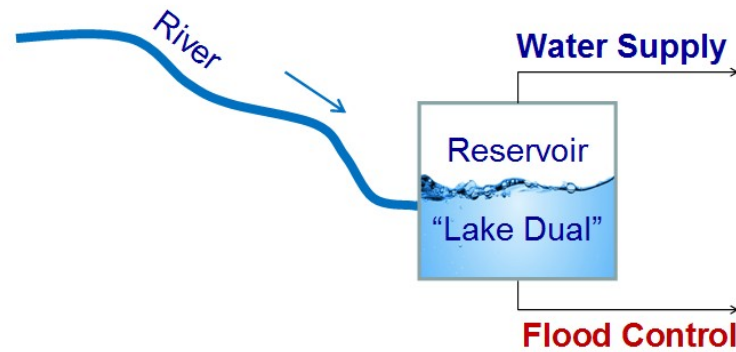
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



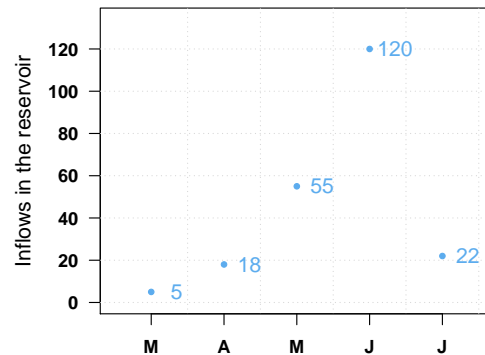
Swof Town



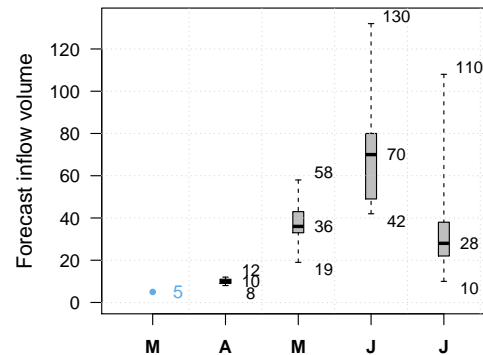
Safe Town



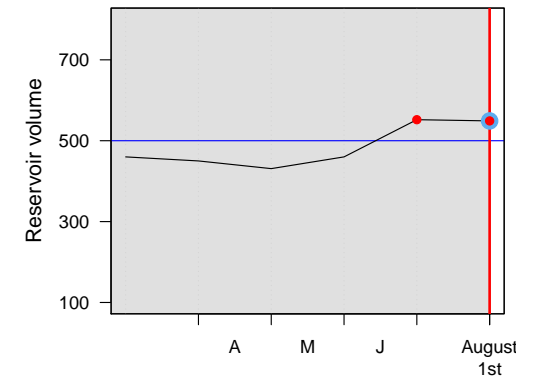
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

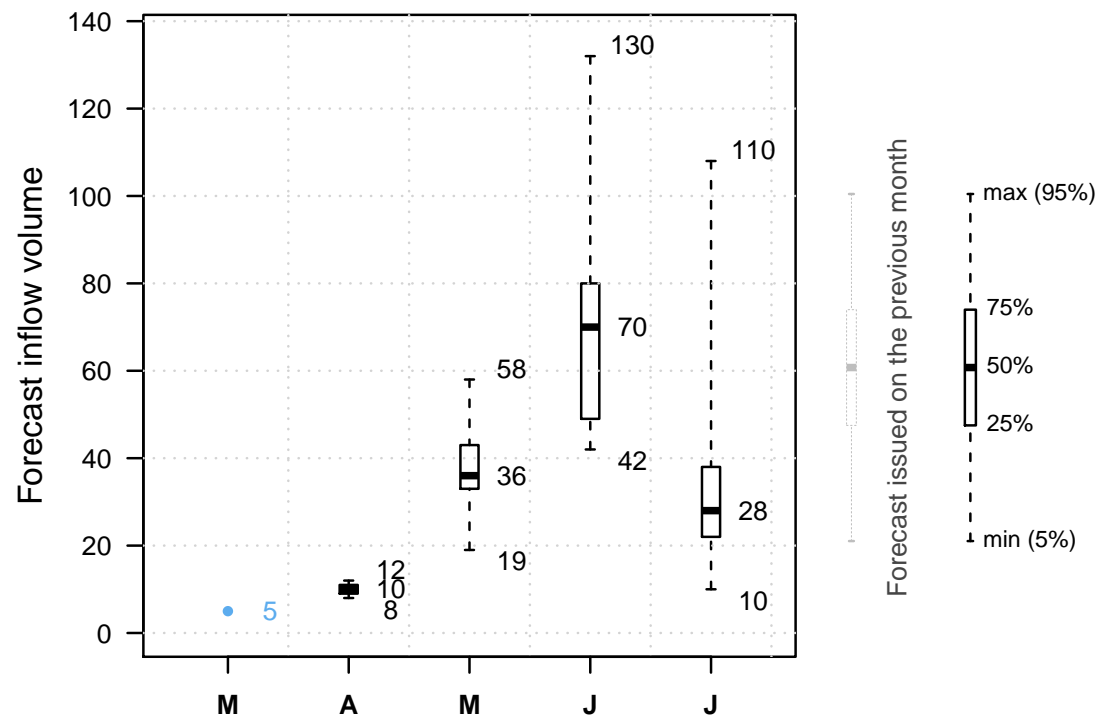


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

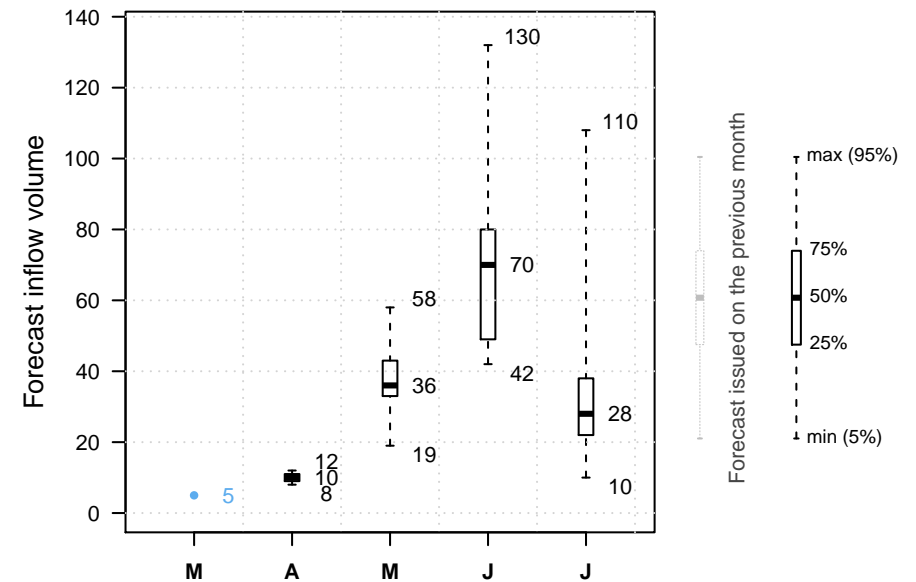
**NEXT**



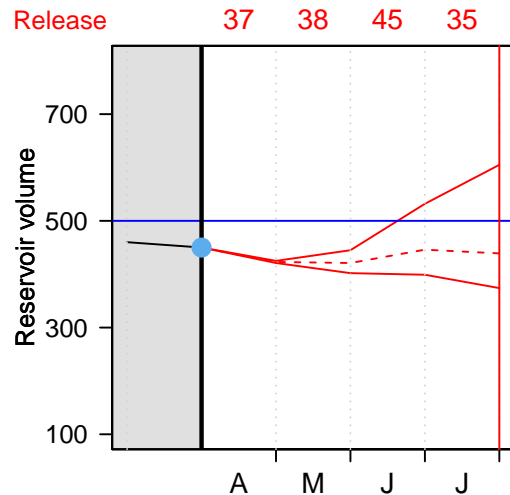
It is April 1st.

And our volunteer?

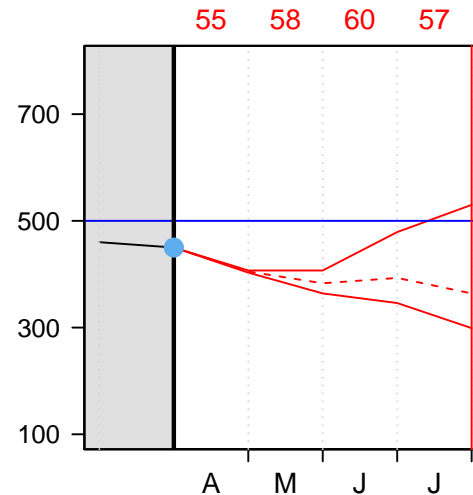
Let's see which release option our volunteer will choose.



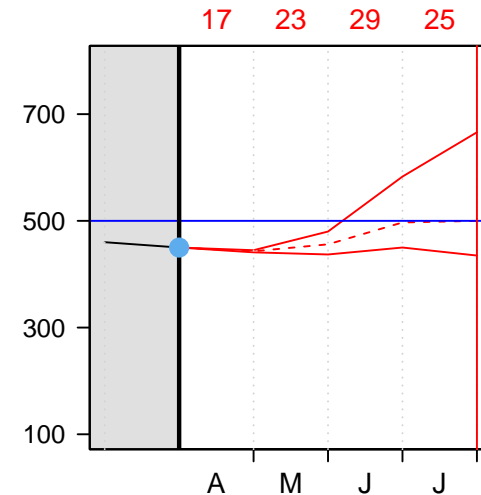
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

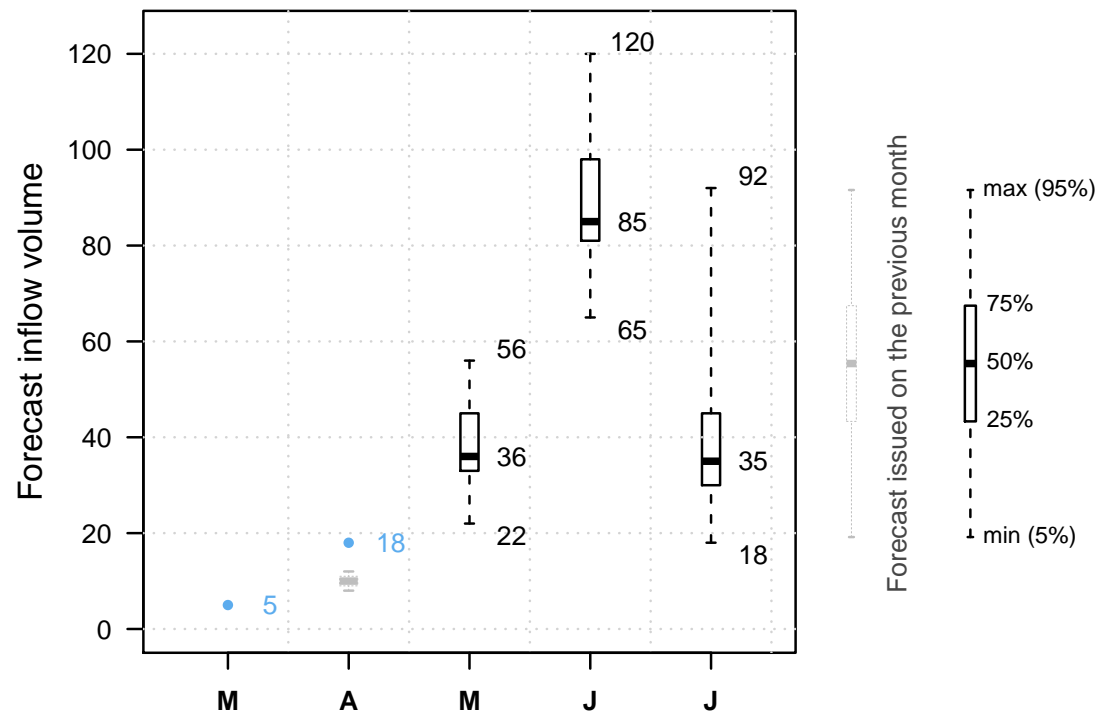


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

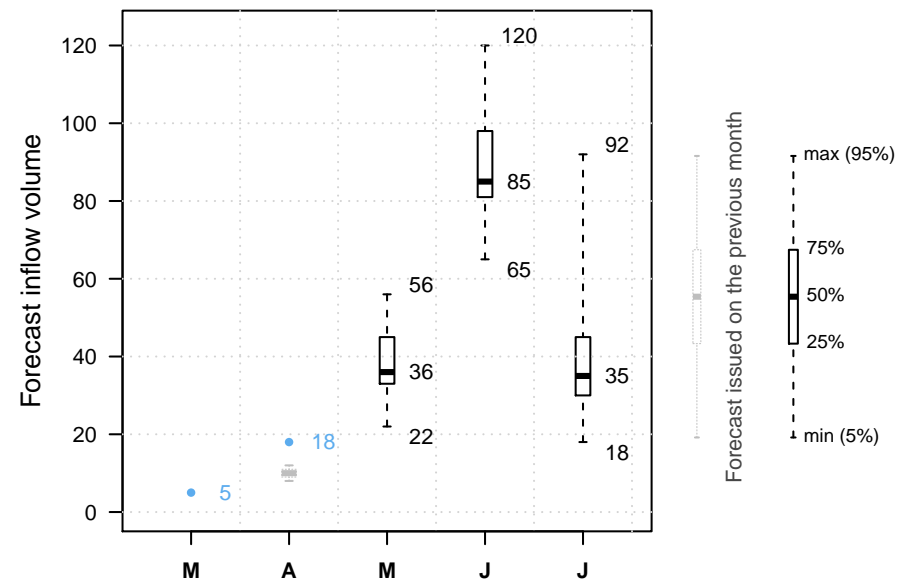
Previous decisions: B



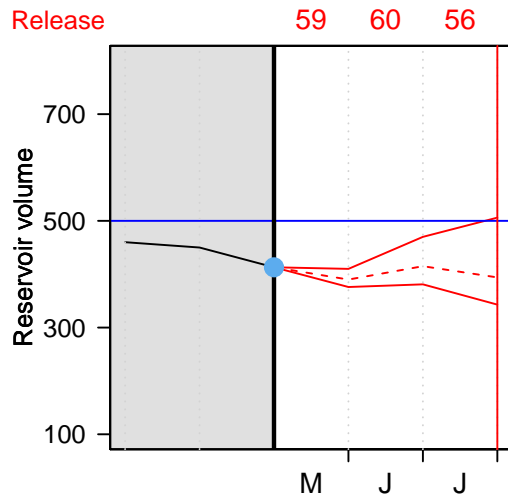
It is May 1st.

And our volunteer?

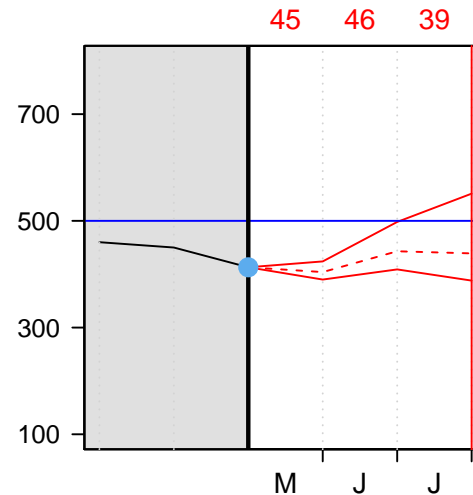
Let's see which release option our volunteer will choose.



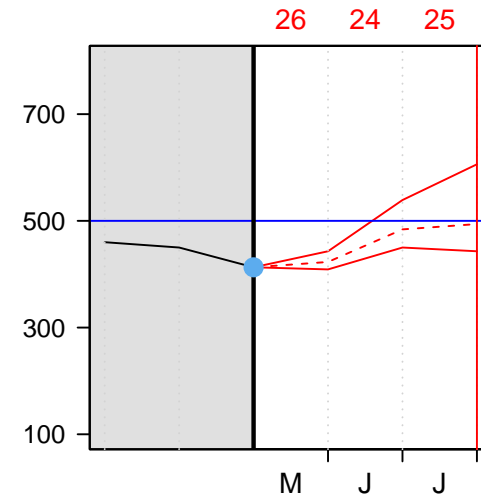
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

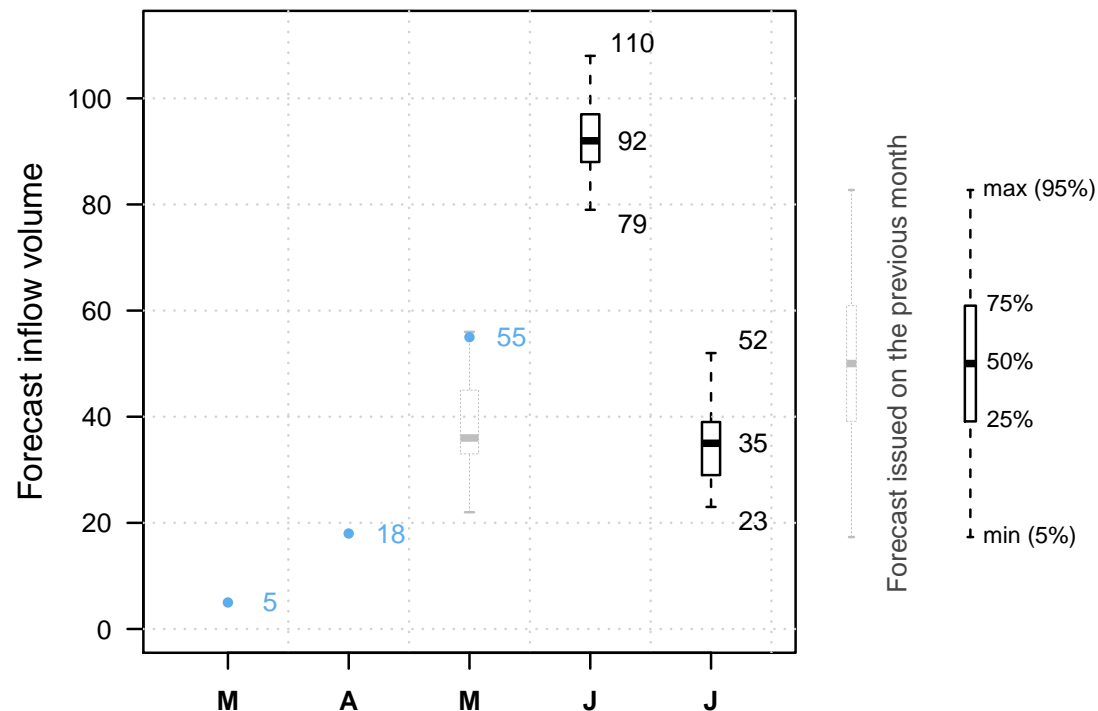


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

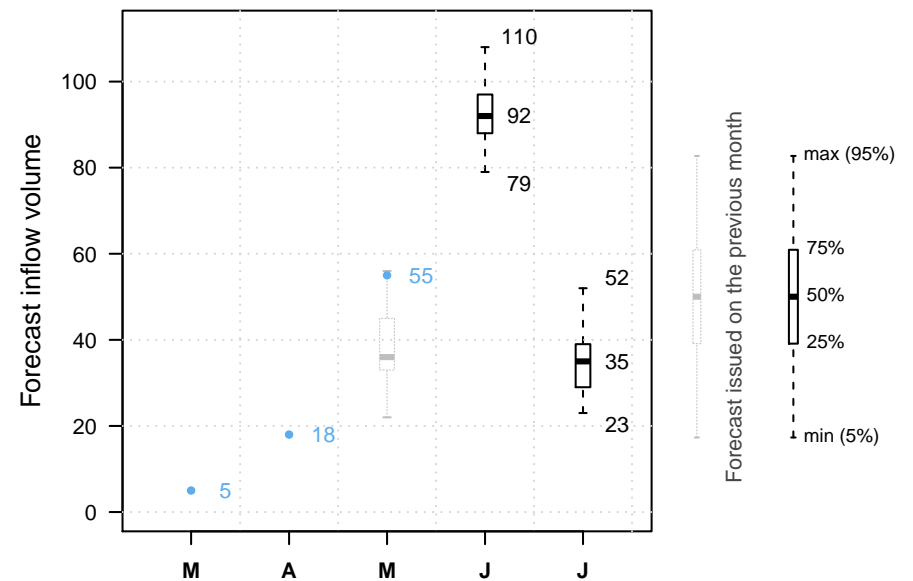
Previous decisions: B C



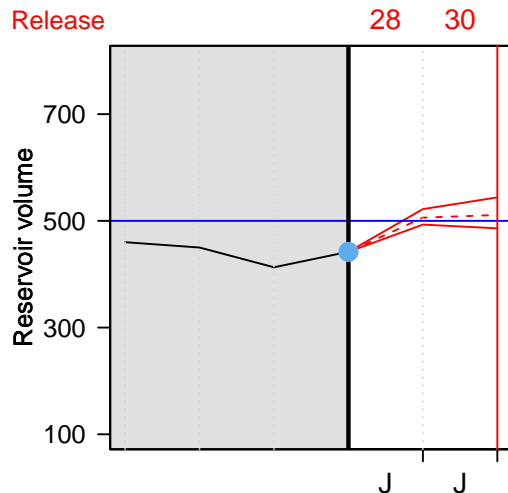
It is June 1st.

And our volunteer?

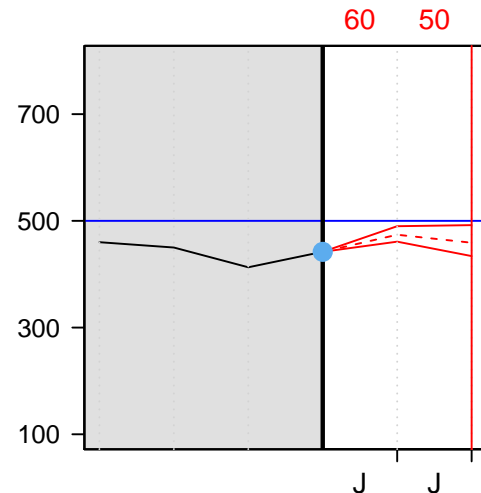
Let's see which release option our volunteer will choose.



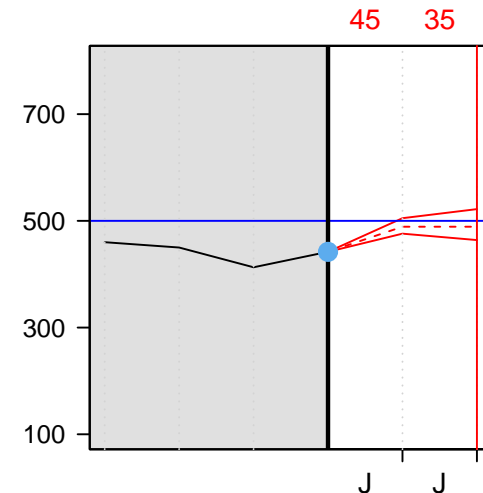
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 534 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

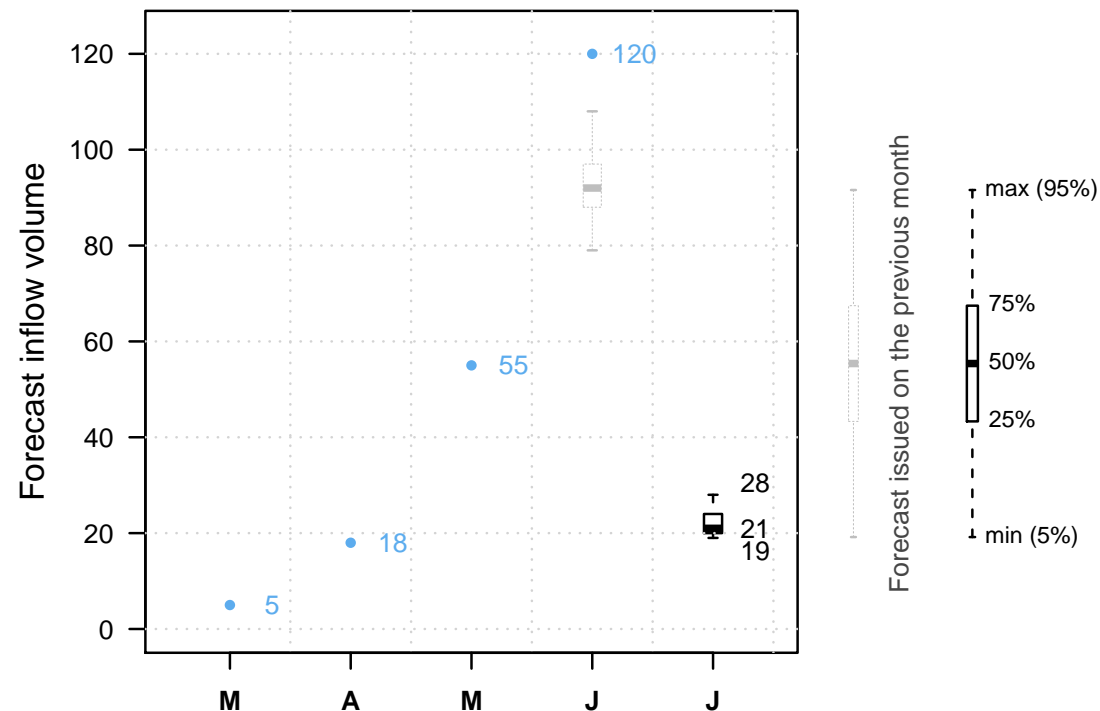


It is July 1st.

The reservoir is at  $534 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

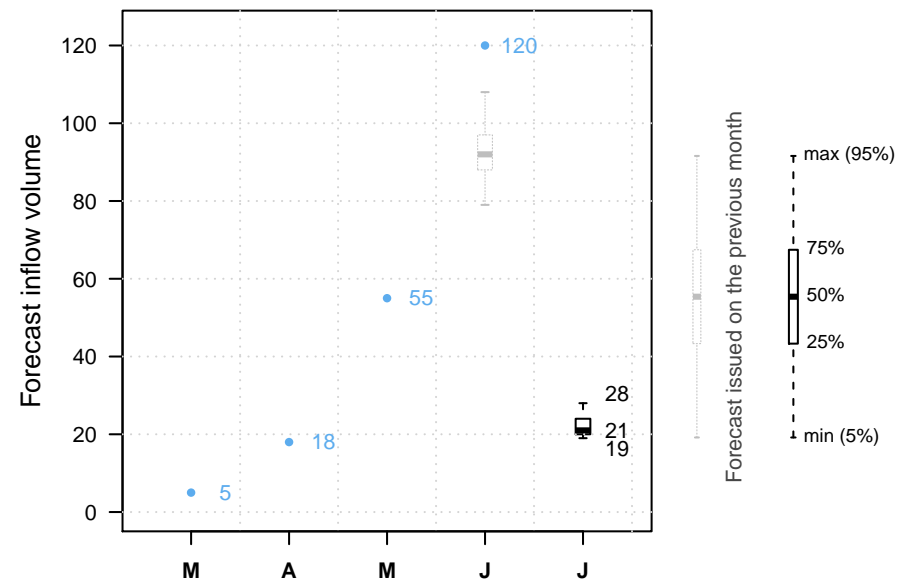
Previous decisions: B C A



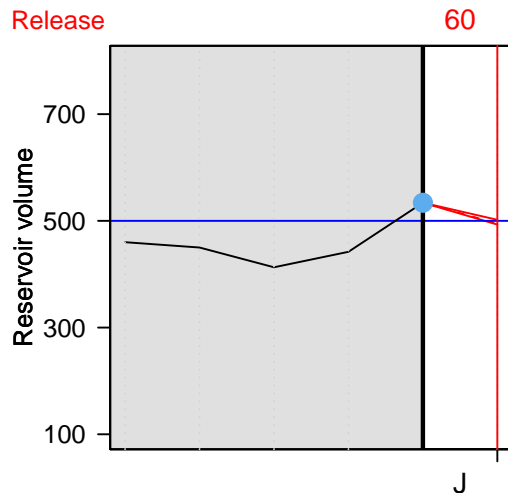
It is July 1st.

And our volunteer?

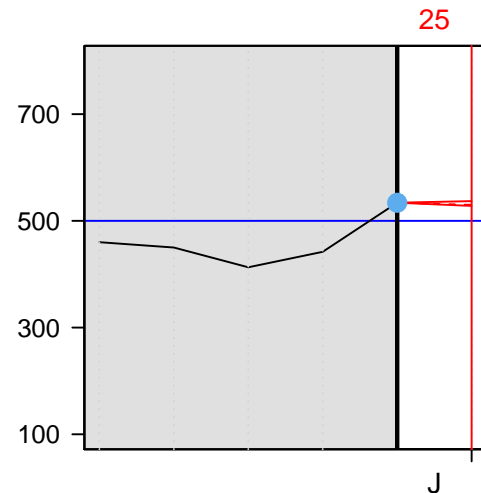
Let's see which release option our volunteer will choose.



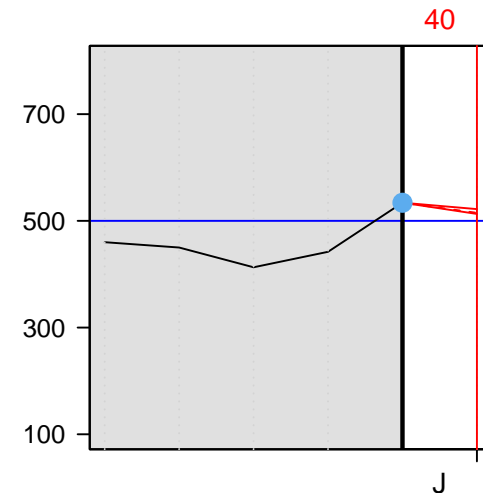
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$534 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 531 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

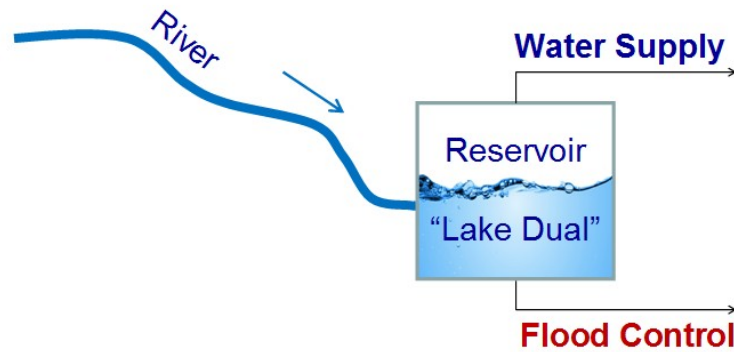
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



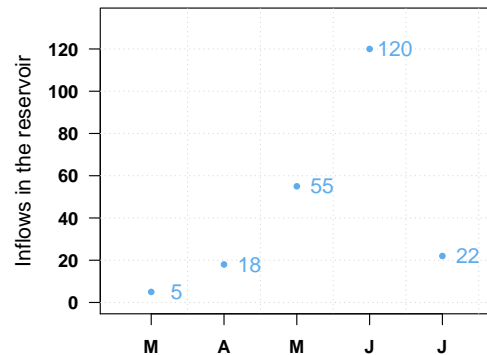
Swof Town



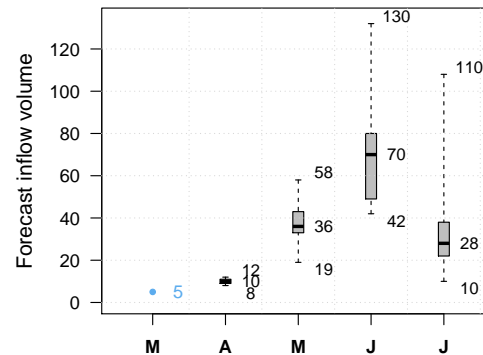
Safe Town



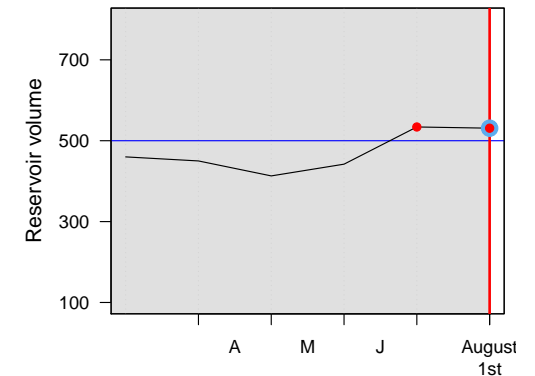
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

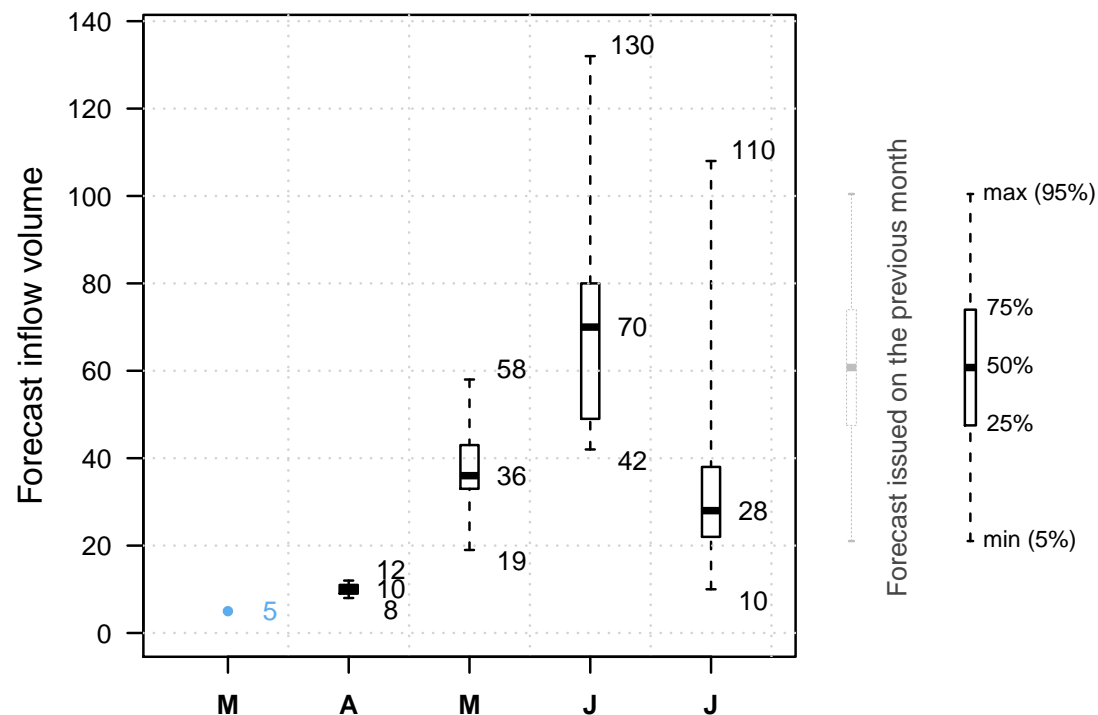


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

NEXT

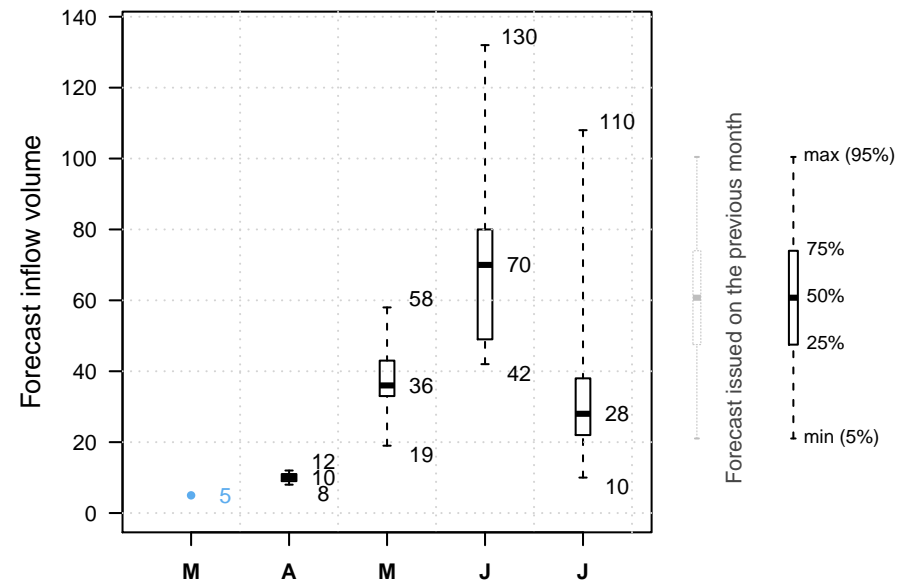




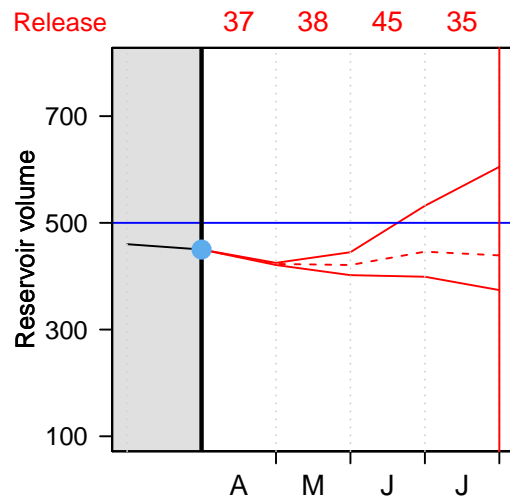
It is April 1st.

And our volunteer?

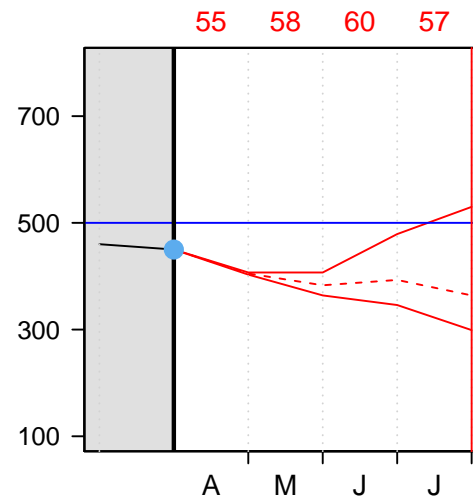
Let's see which release option our volunteer will choose.



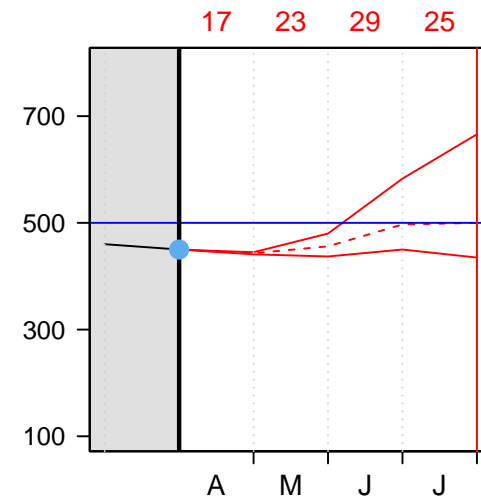
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

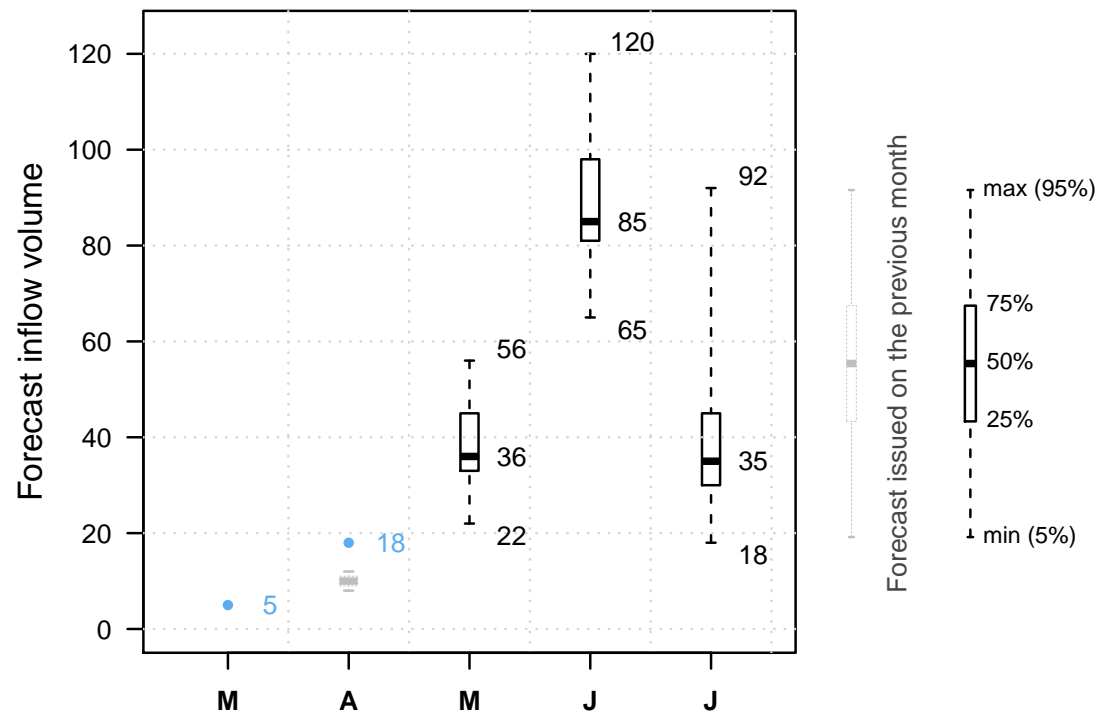


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

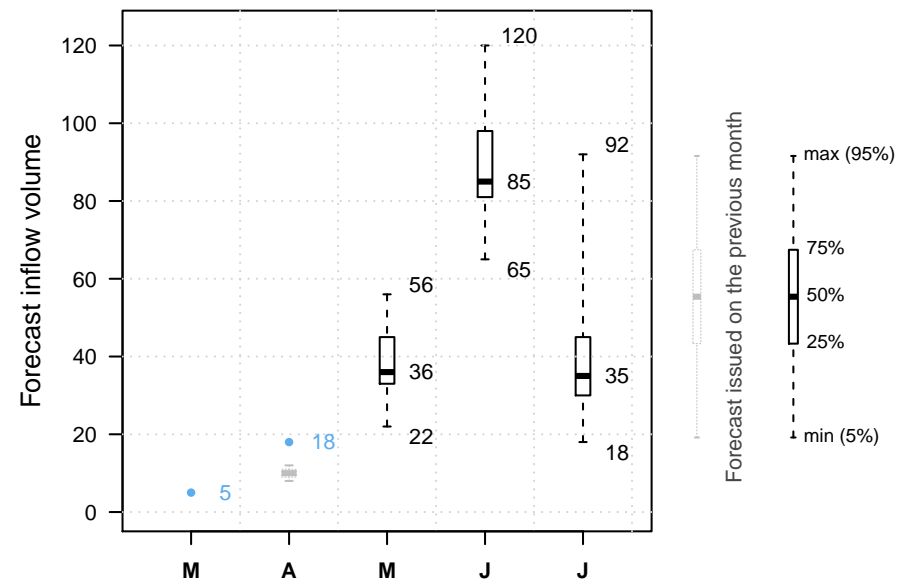
Previous decisions: C



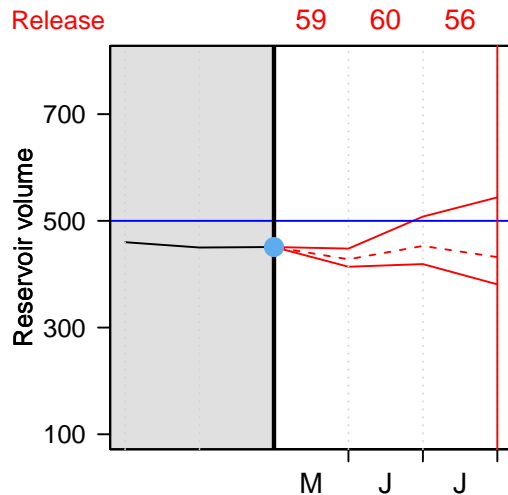
It is May 1st.

And our volunteer?

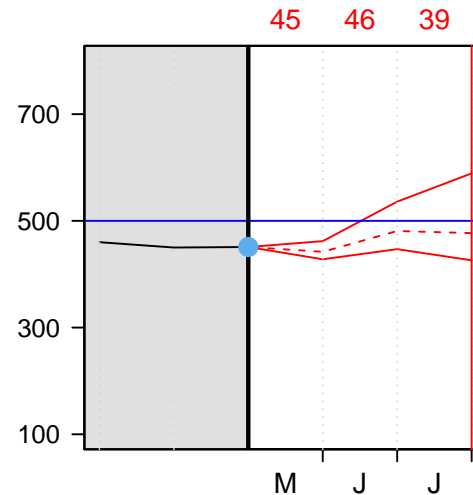
Let's see which release option our volunteer will choose.



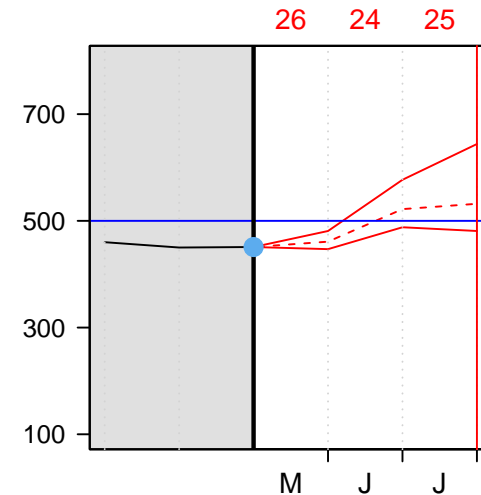
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

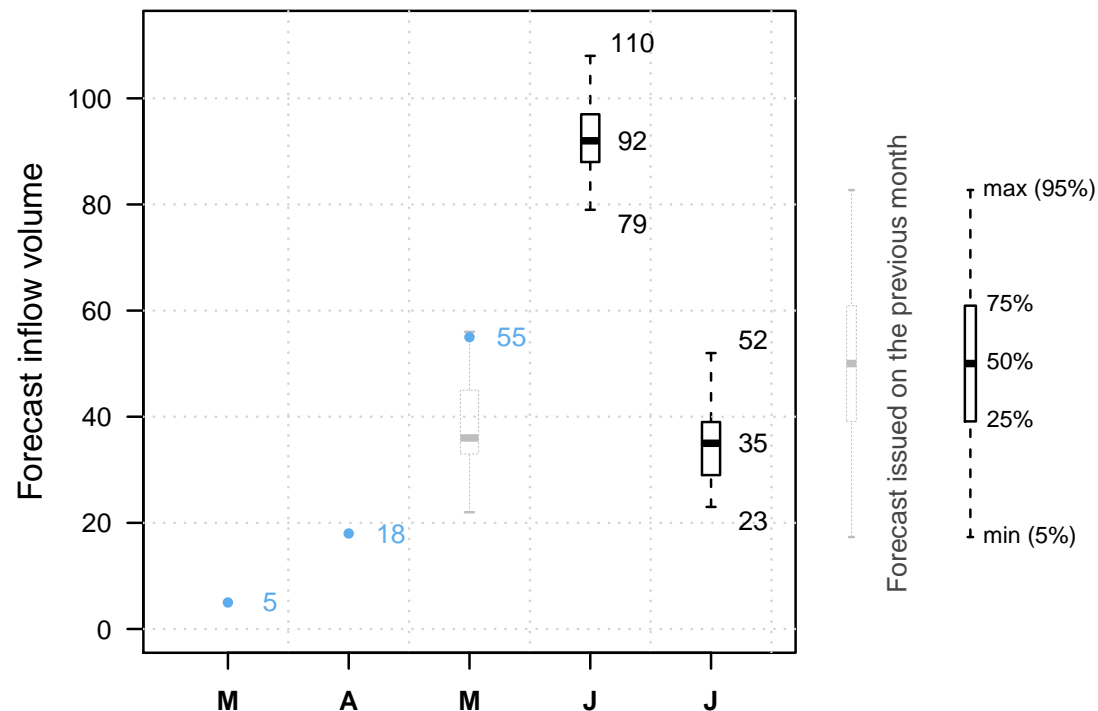


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT



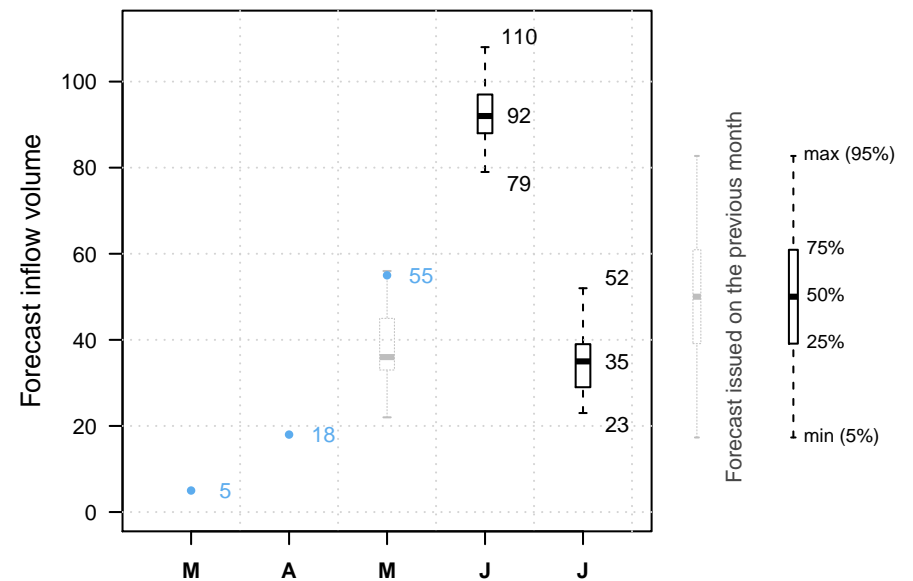
Previous decisions: C C



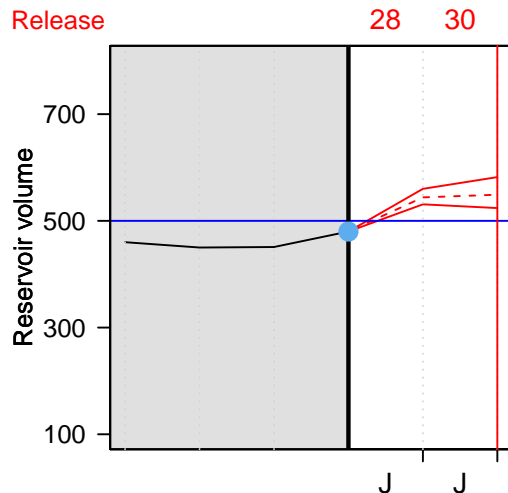
It is June 1st.

And our volunteer?

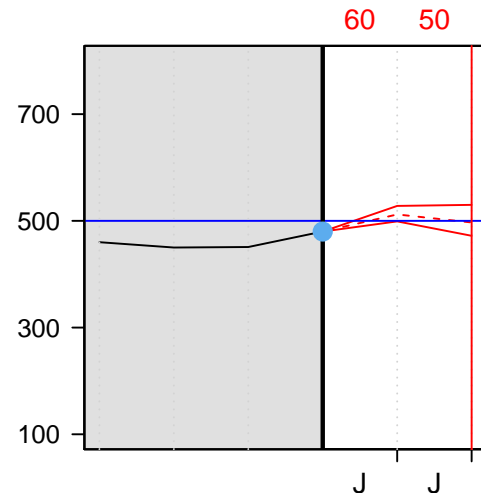
Let's see which release option our volunteer will choose.



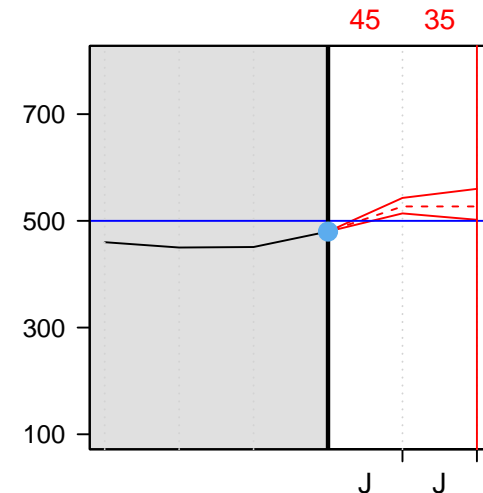
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 572 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

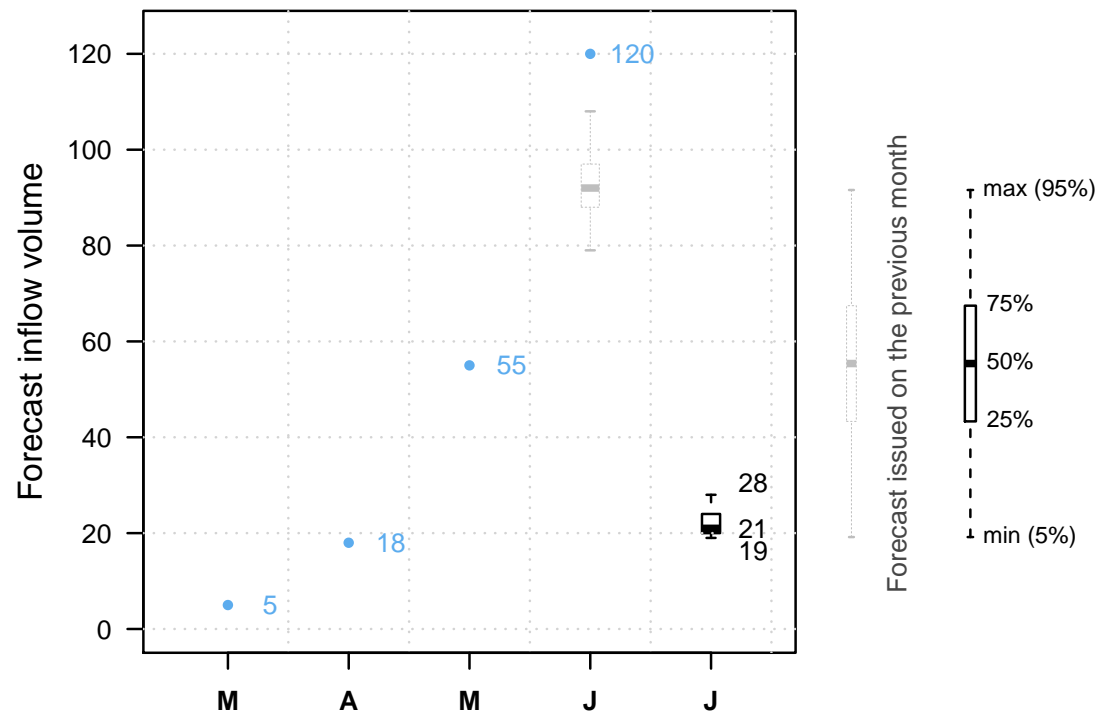


It is July 1st.

The reservoir is at  $572 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

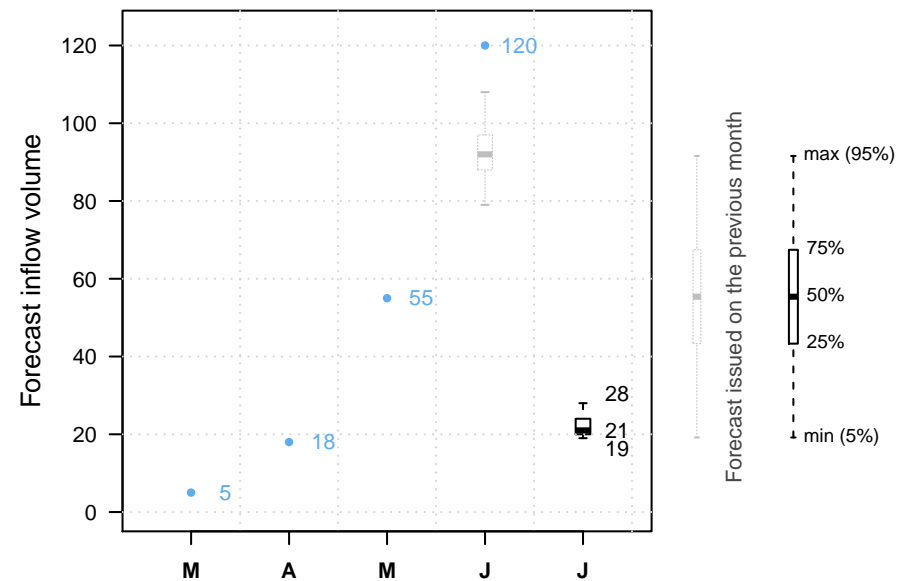
Previous decisions: C C A



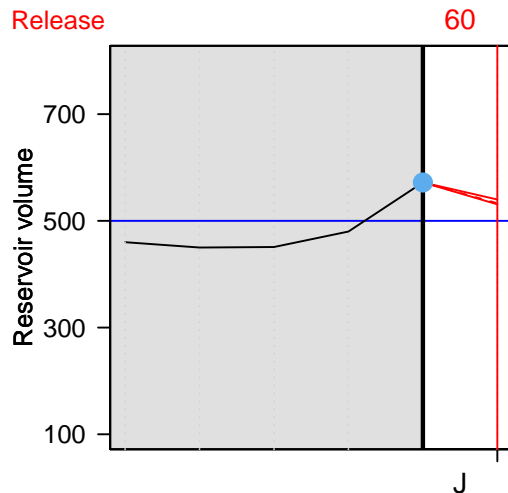
It is July 1st.

And our volunteer?

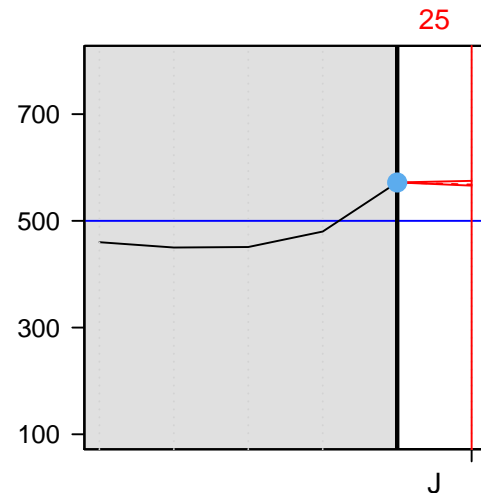
Let's see which release option our volunteer will choose.



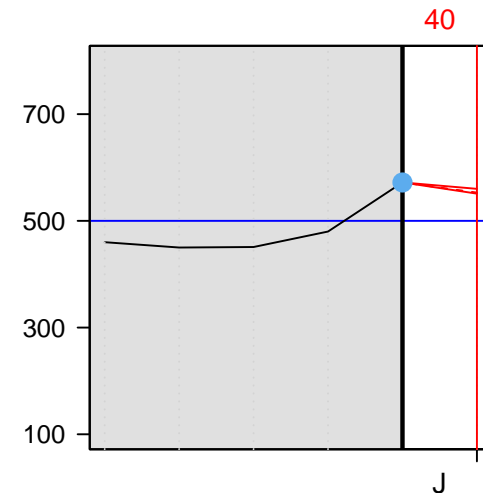
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$572 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 569 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

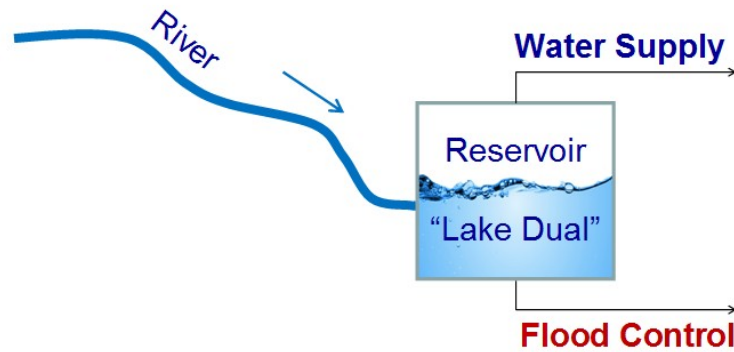
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



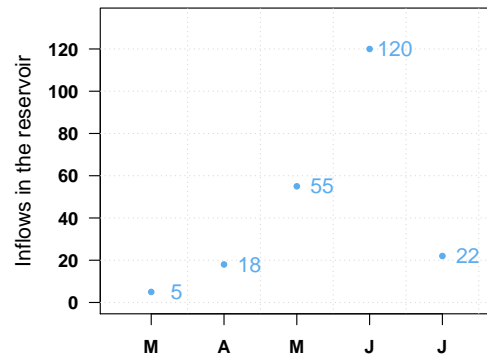
Swof Town



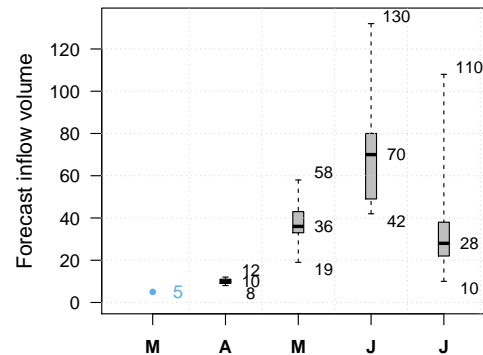
Safe Town



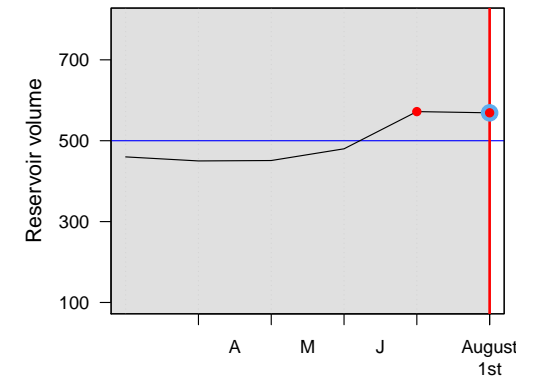
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



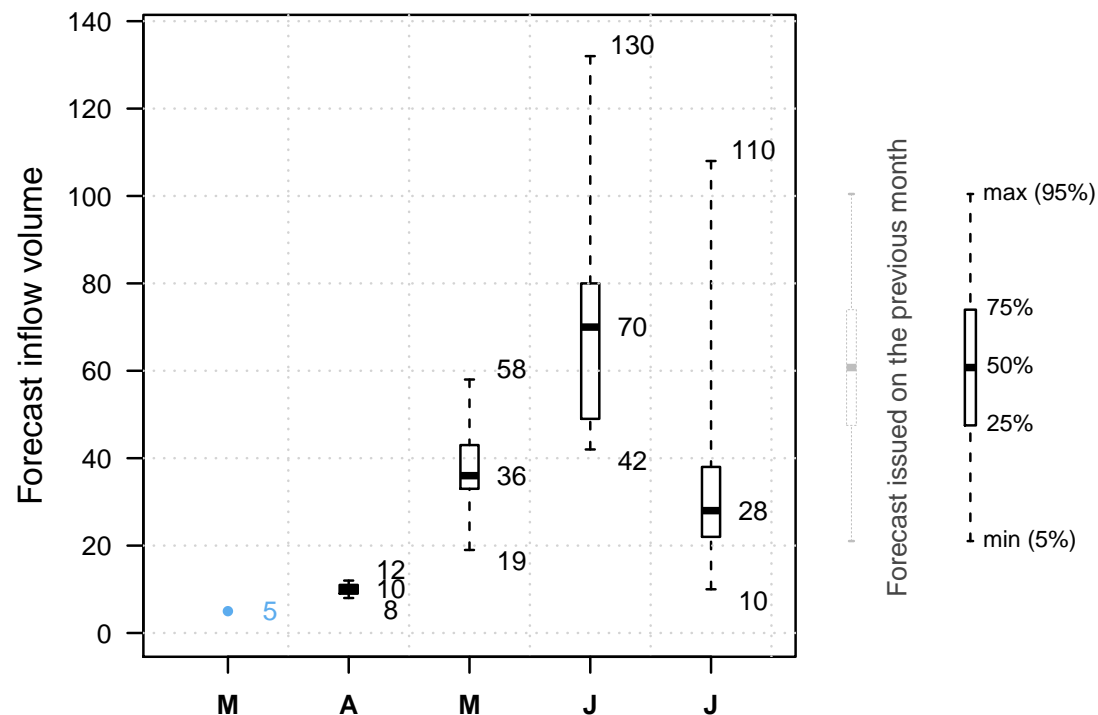


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

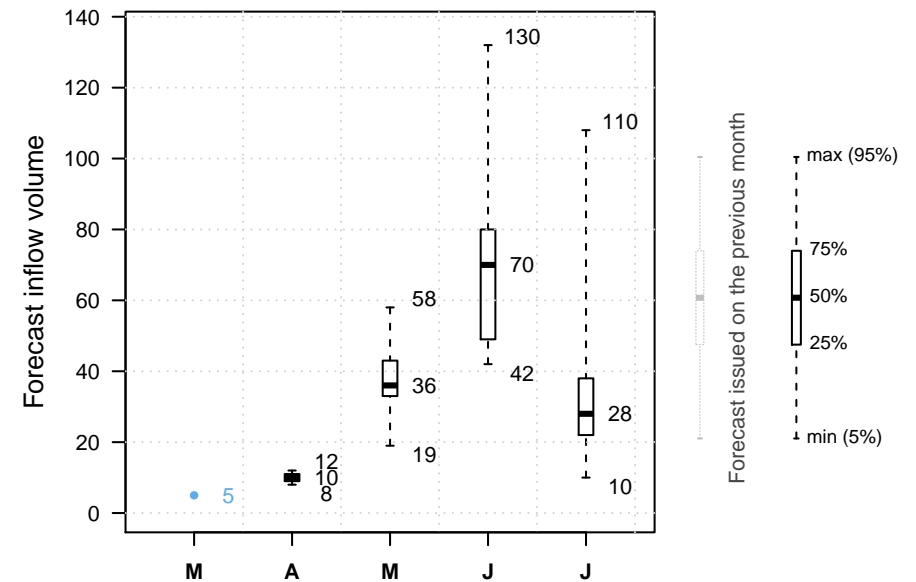
NEXT



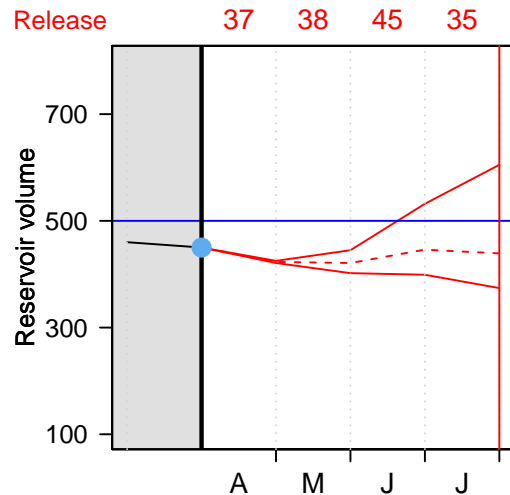
It is April 1st.

And our volunteer?

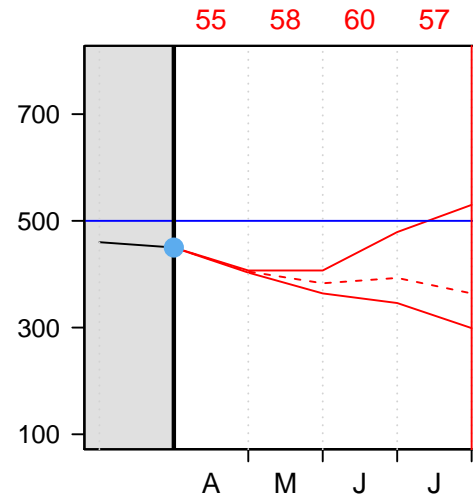
Let's see which release option our volunteer will choose.



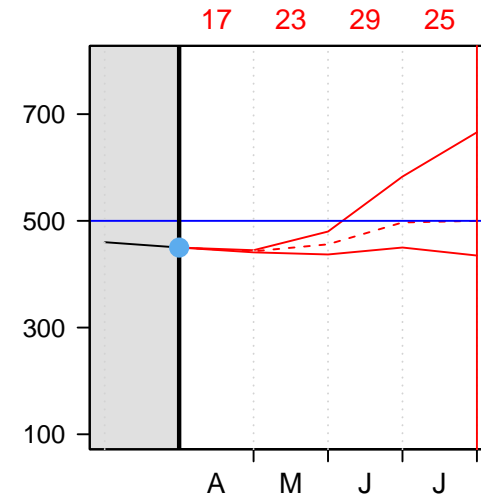
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

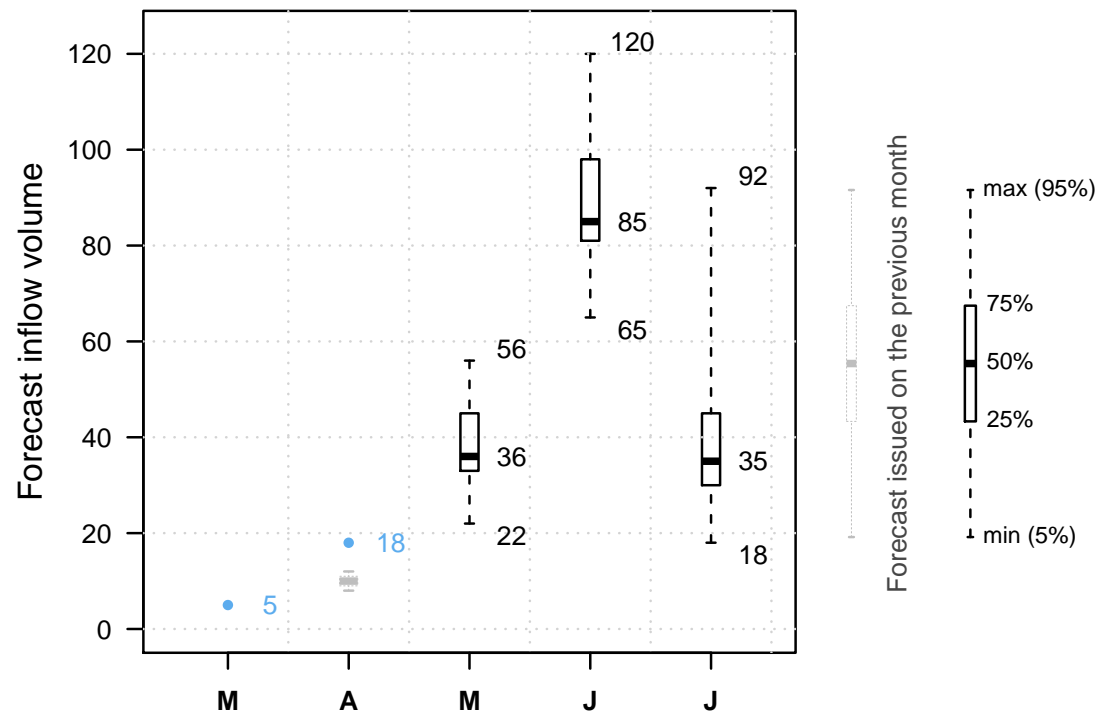


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

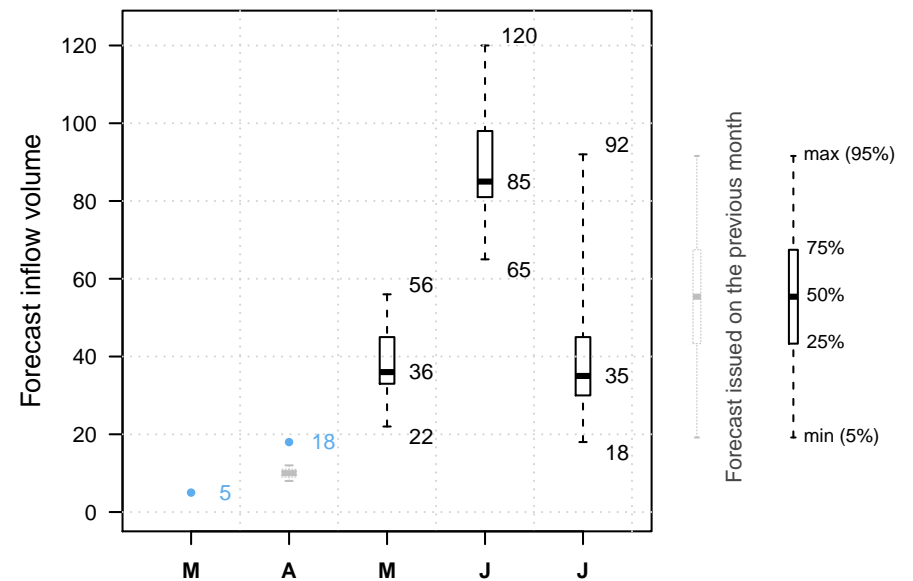
Previous decisions: A



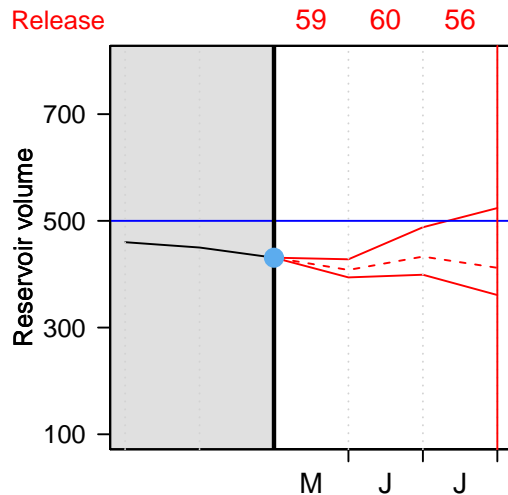
It is May 1st.

And our volunteer?

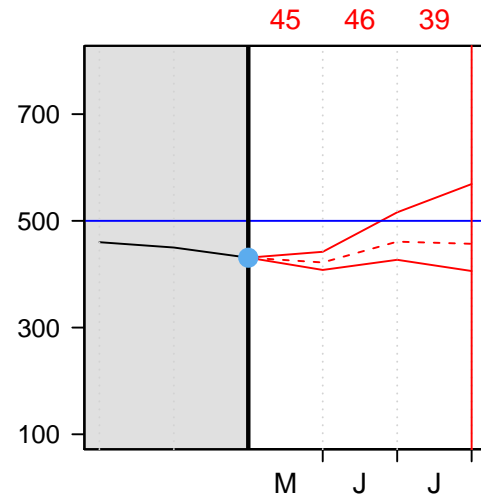
Let's see which release option our volunteer will choose.



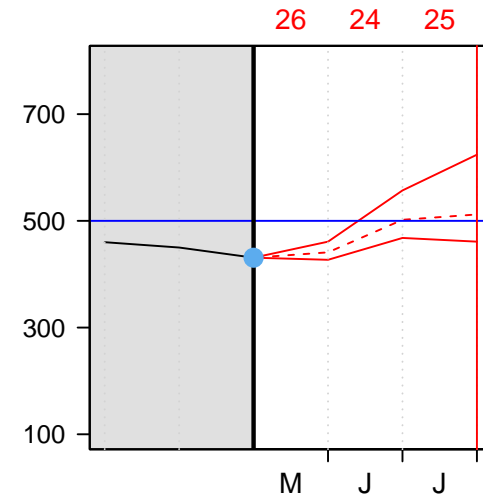
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



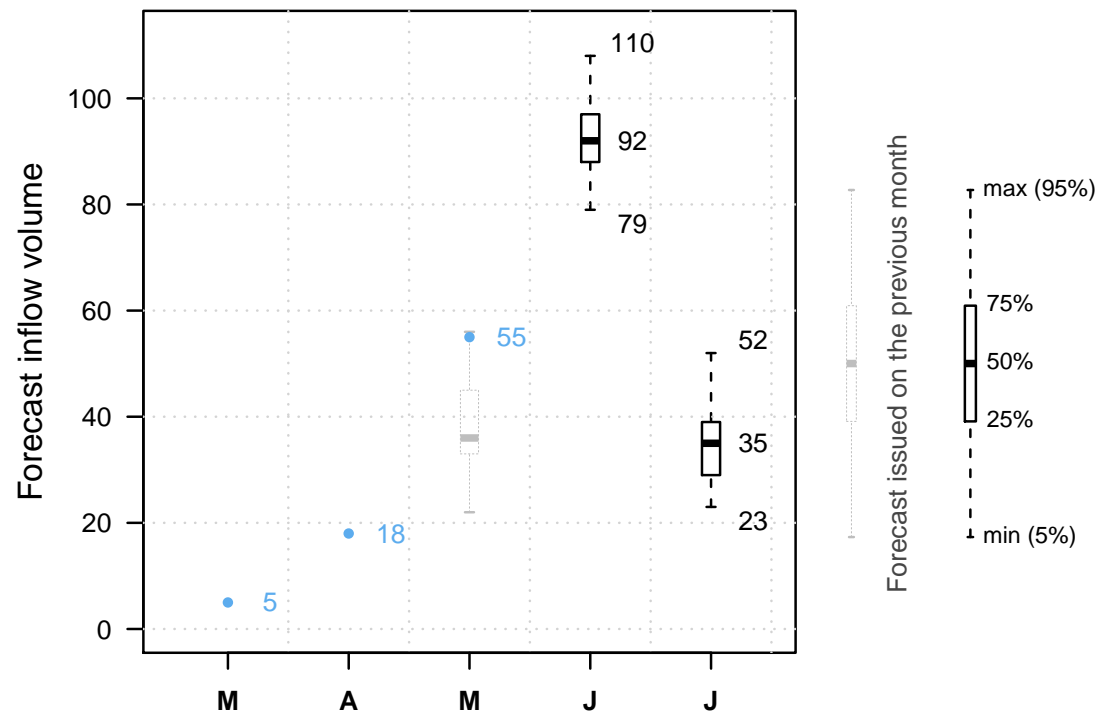


It is June 1st.

The reservoir is at 427  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

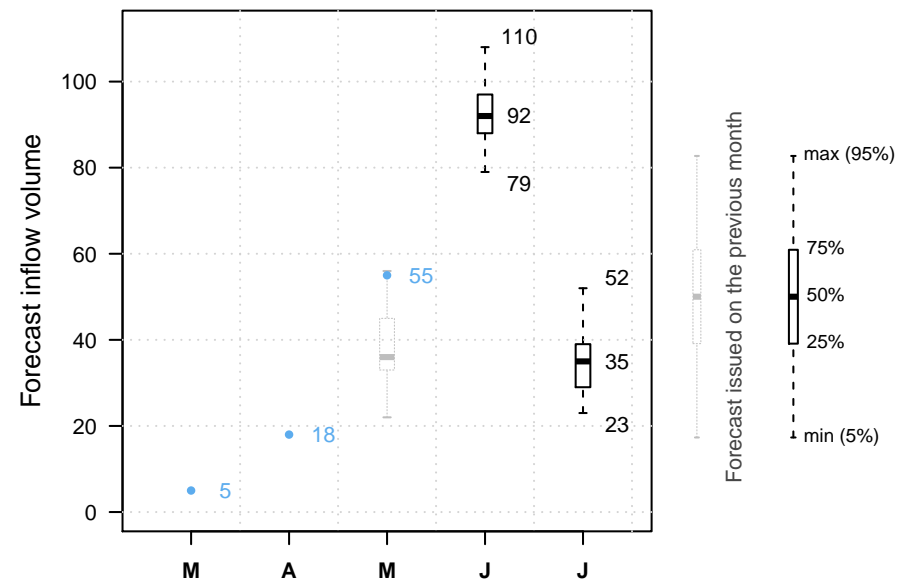
Previous decisions: A A



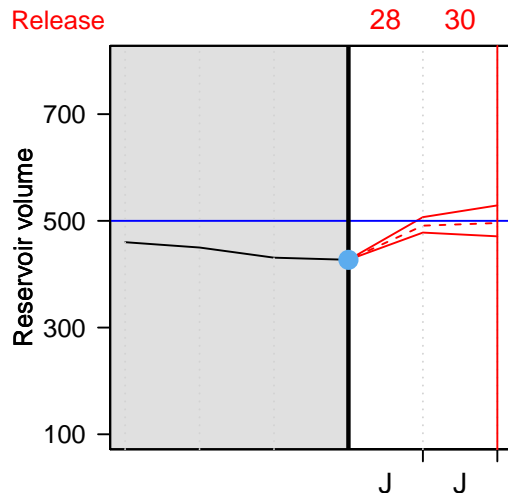
It is June 1st.

And our volunteer?

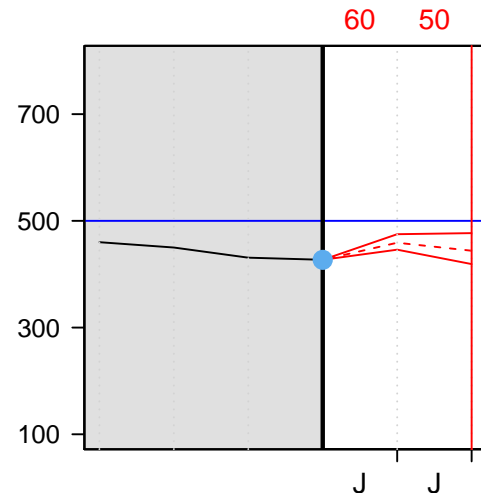
Let's see which release option our volunteer will choose.



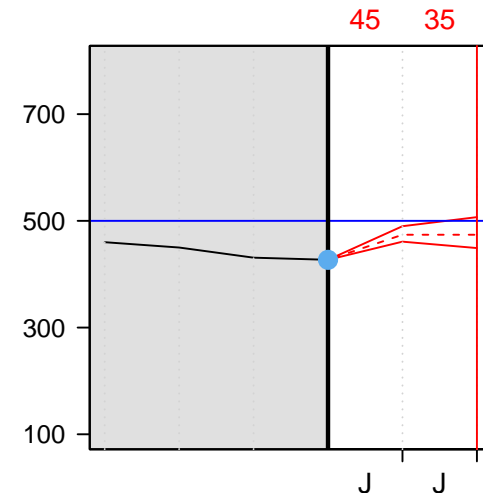
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 487 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

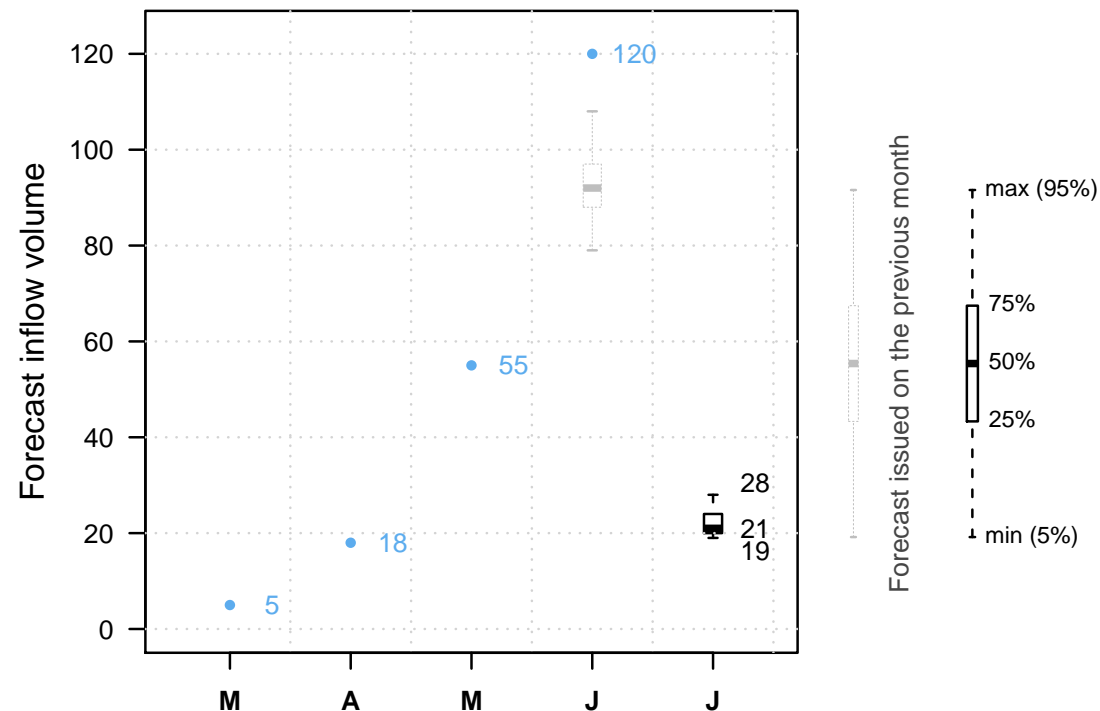


It is July 1st.

The reservoir is at  $487 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

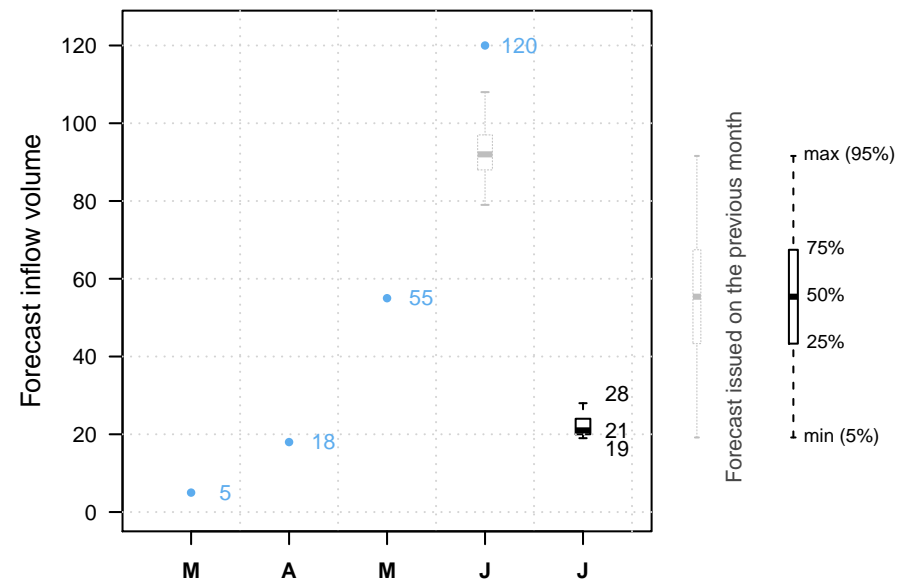
Previous decisions: A A B



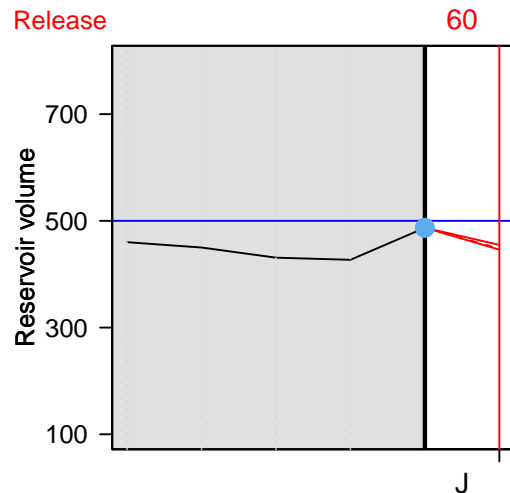
It is July 1st.

And our volunteer?

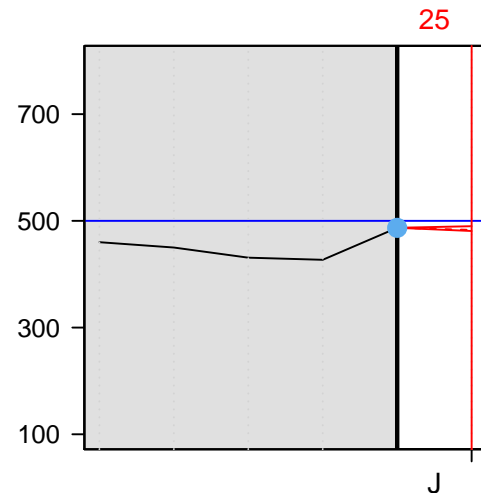
Let's see which release option our volunteer will choose.



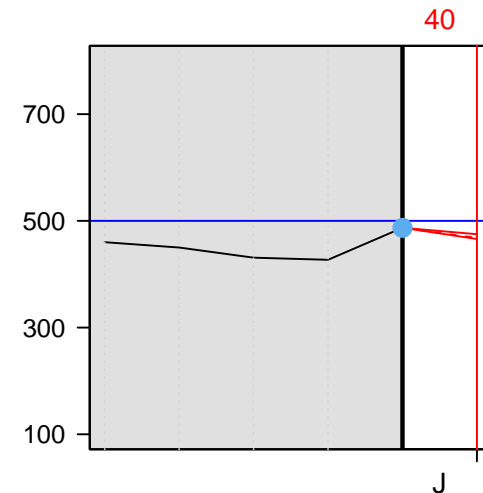
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$487 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

NEXT

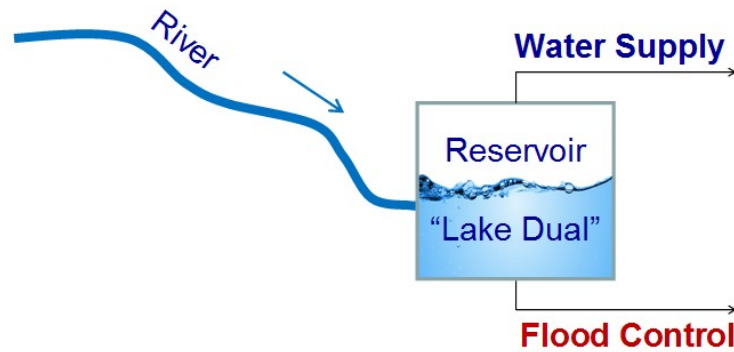
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



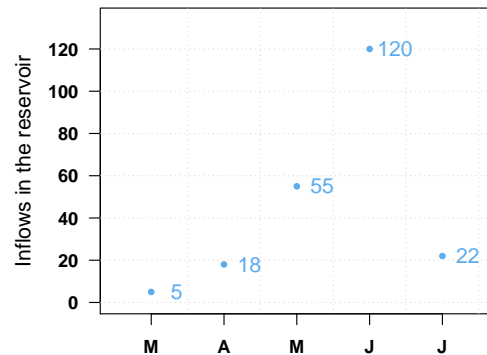
Swof Town



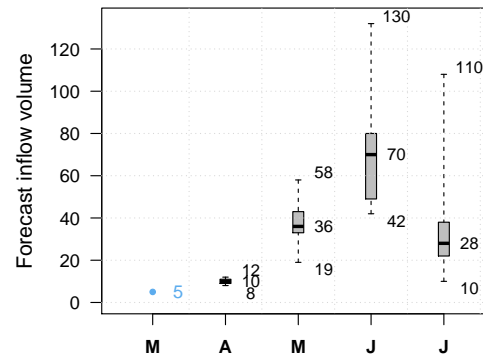
Safe Town



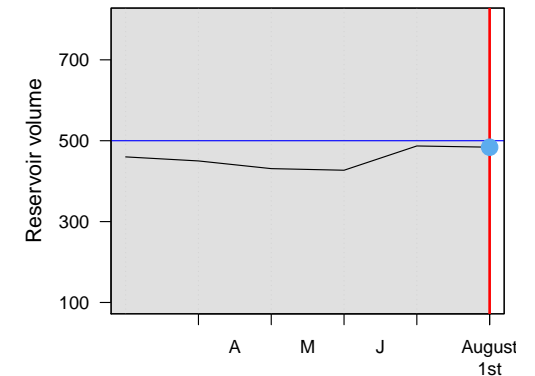
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

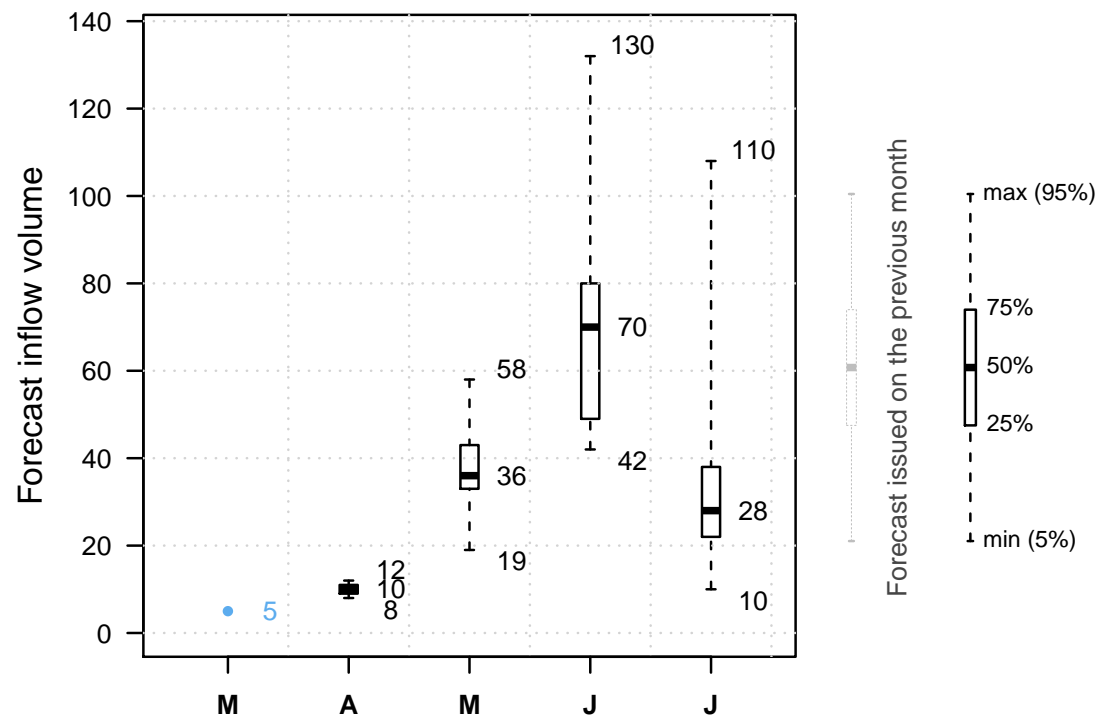


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

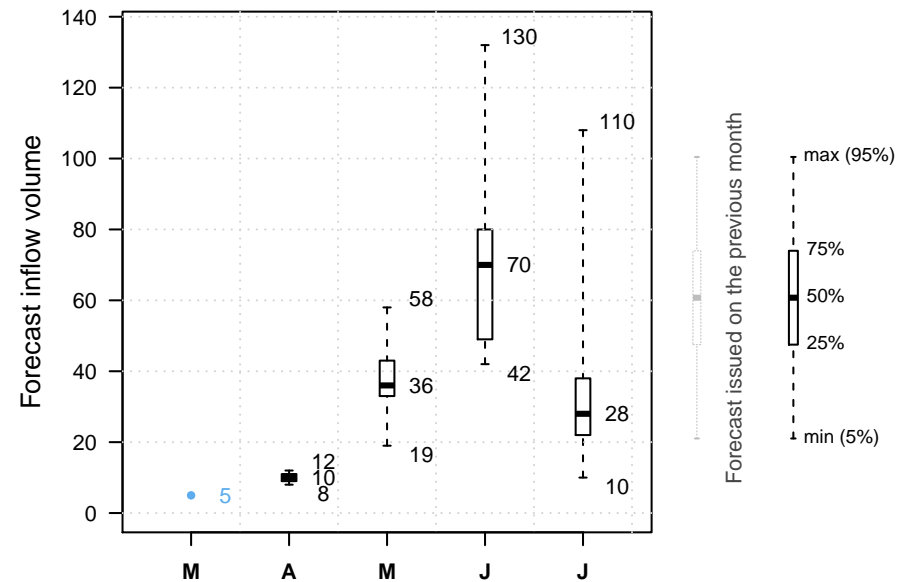
NEXT



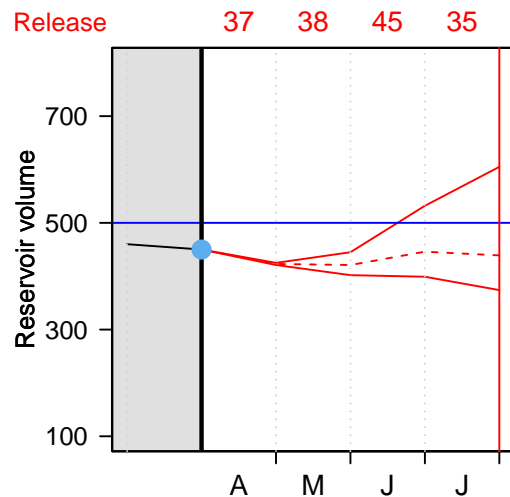
It is April 1st.

And our volunteer?

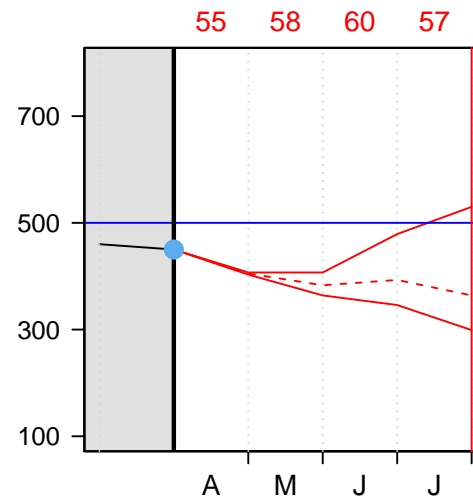
Let's see which release option our volunteer will choose.



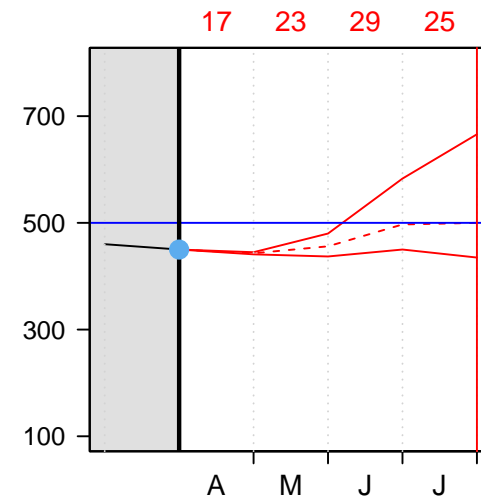
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

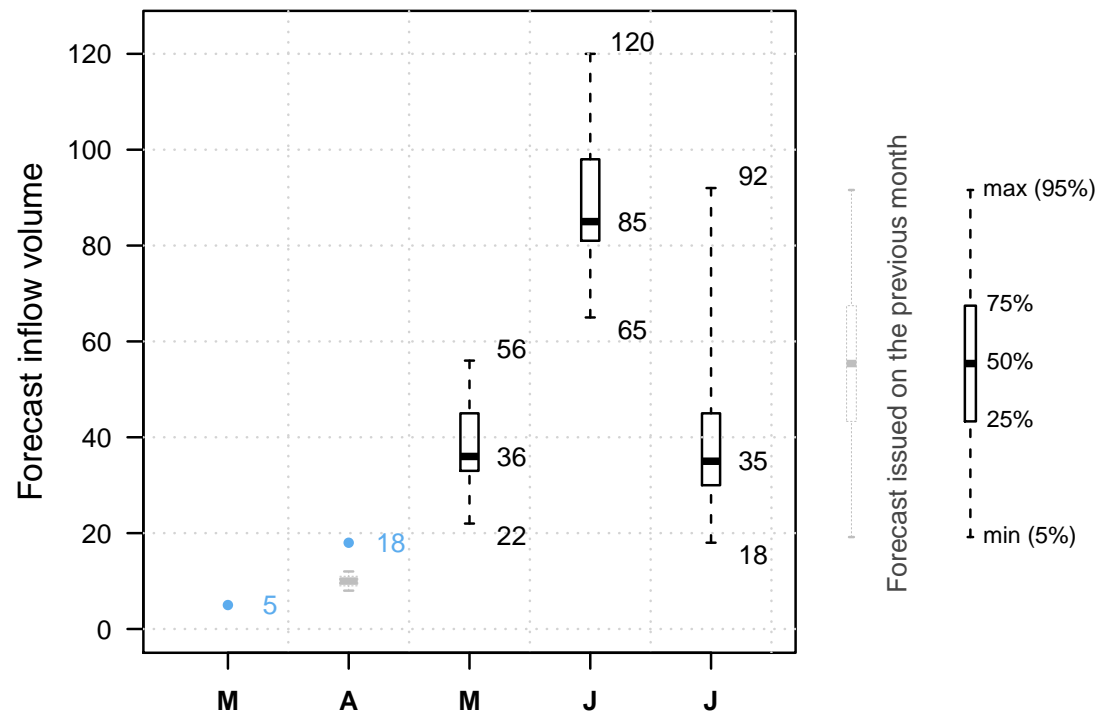


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

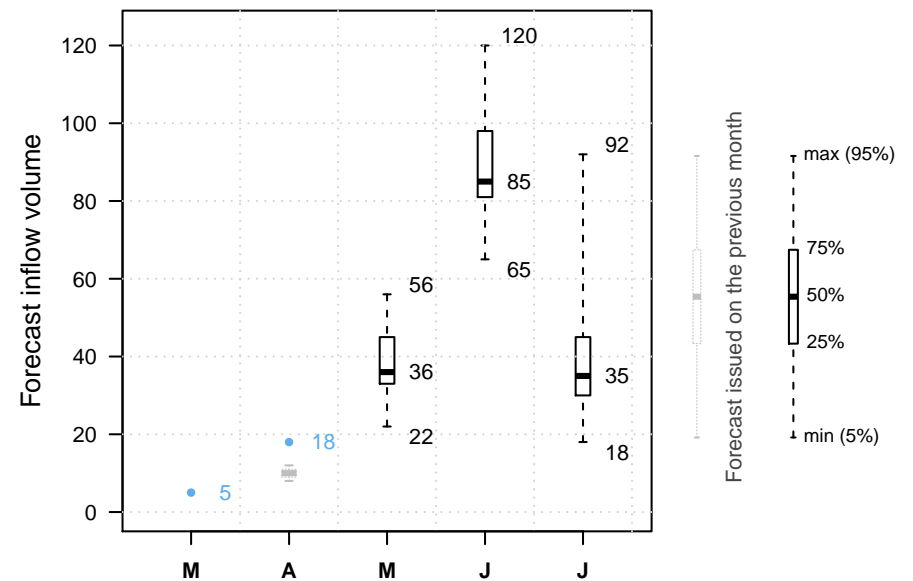
Previous decisions: B



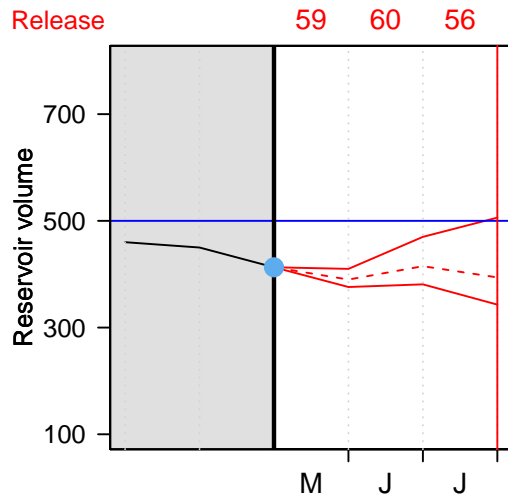
It is May 1st.

And our volunteer?

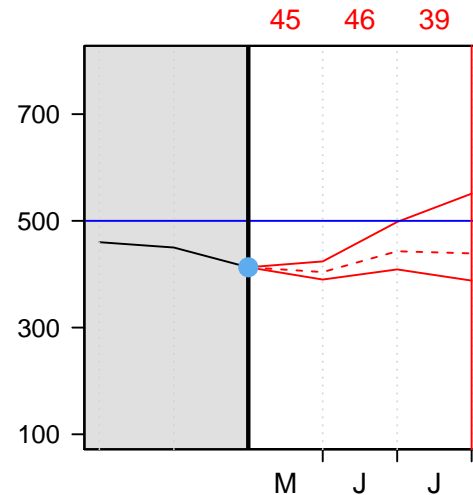
Let's see which release option our volunteer will choose.



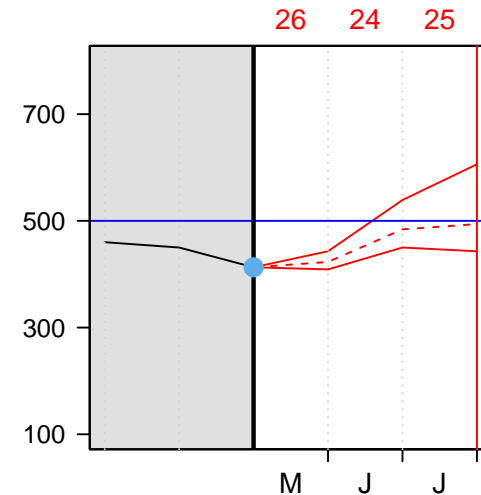
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

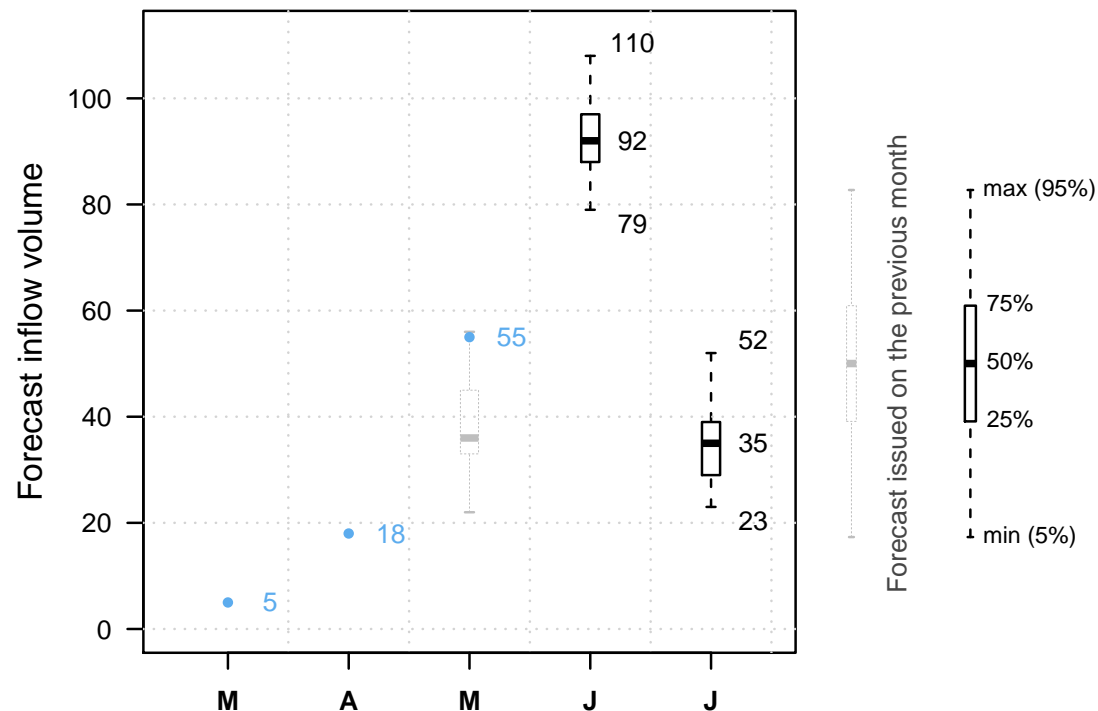


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

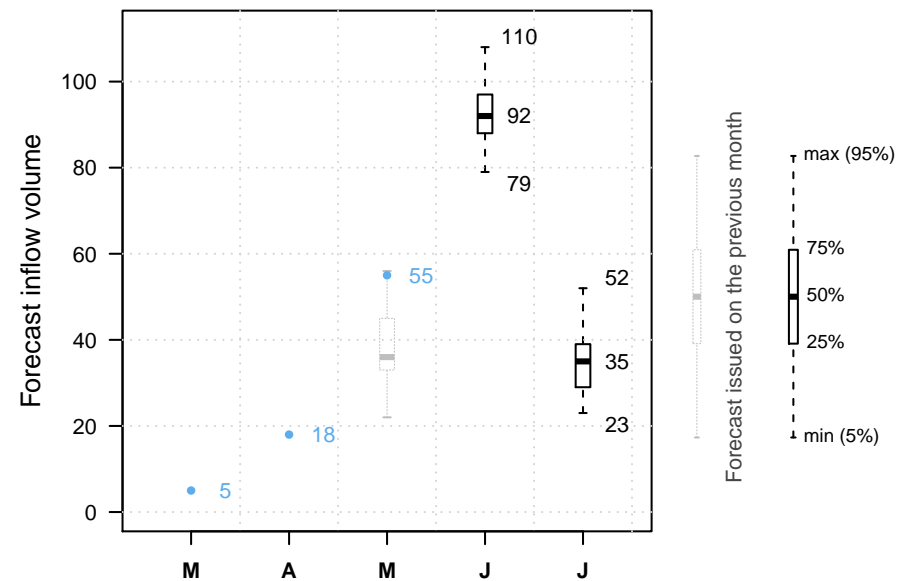
Previous decisions: B A



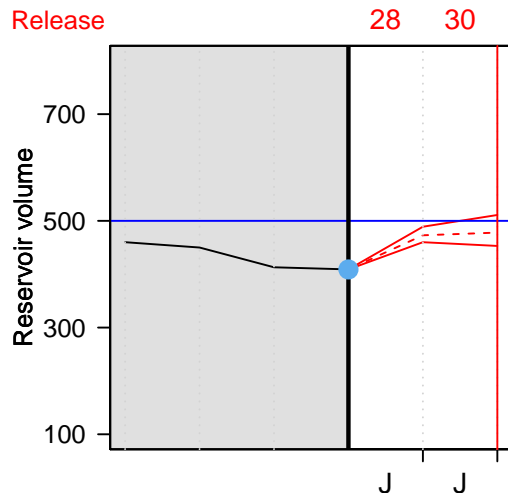
It is June 1st.

And our volunteer?

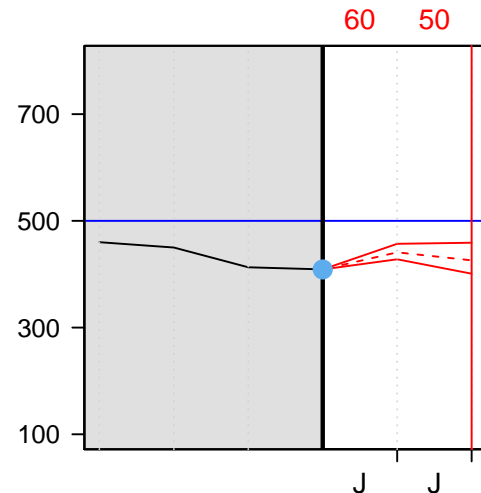
Let's see which release option our volunteer will choose.



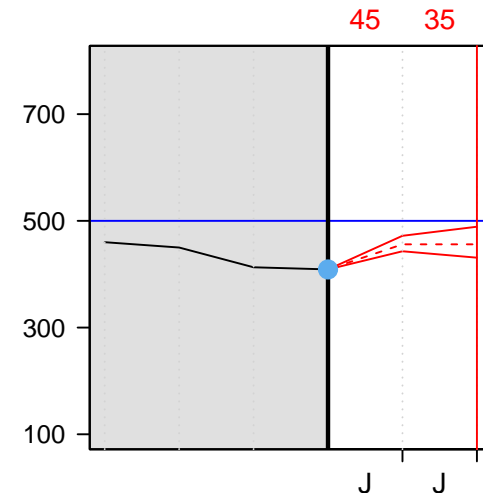
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 469 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

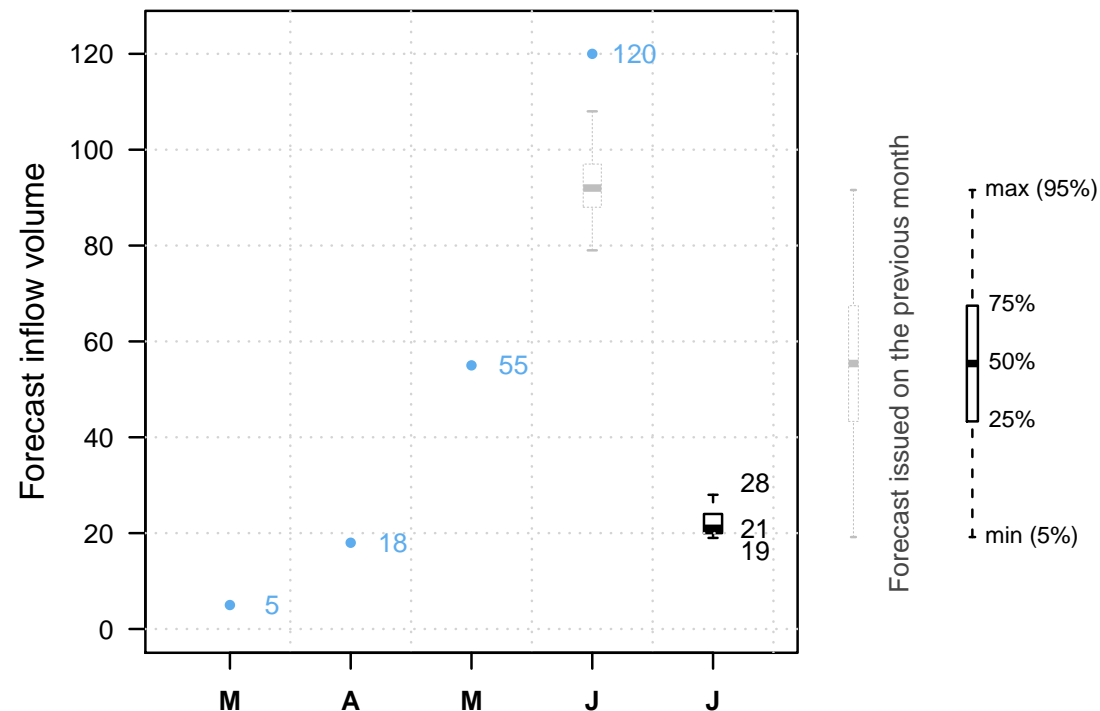


It is July 1st.

The reservoir is at 469  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

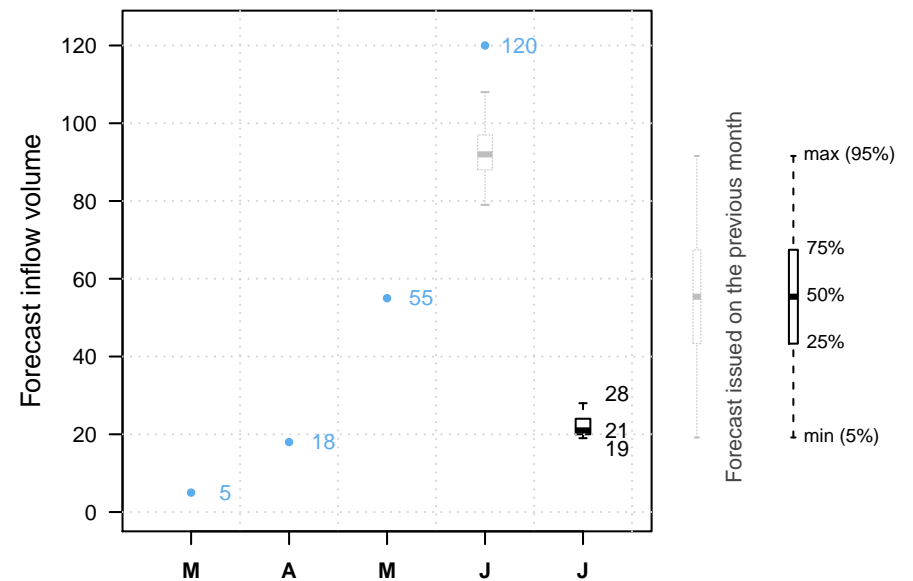
Previous decisions: B A B



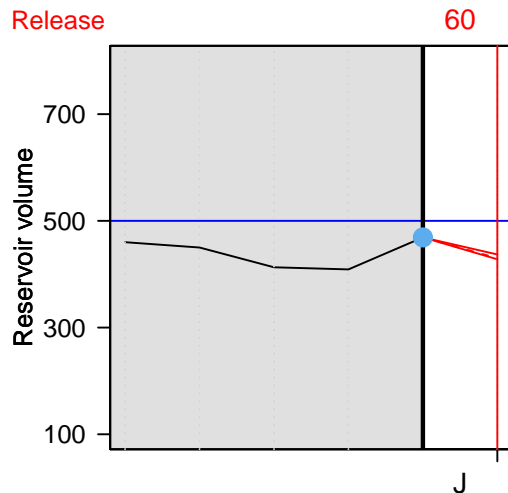
It is July 1st.

And our volunteer?

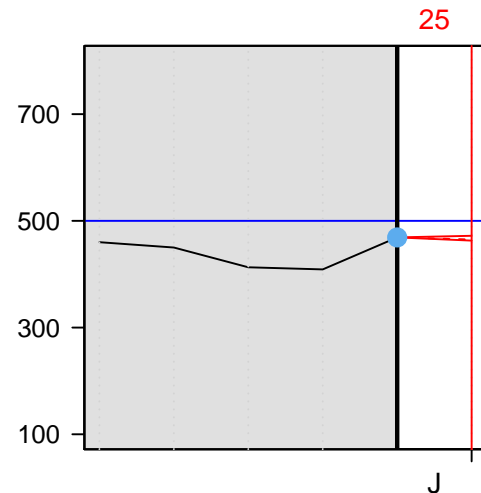
Let's see which release option our volunteer will choose.



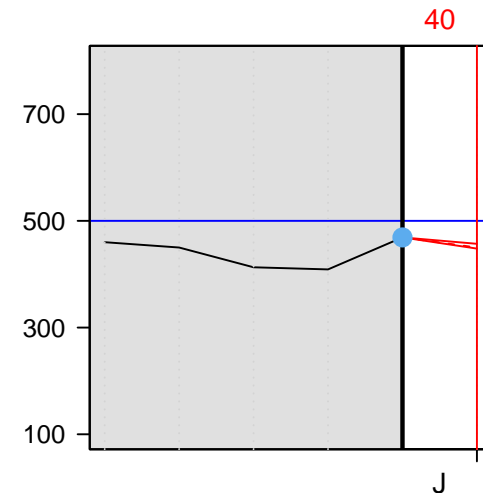
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$469 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 466 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

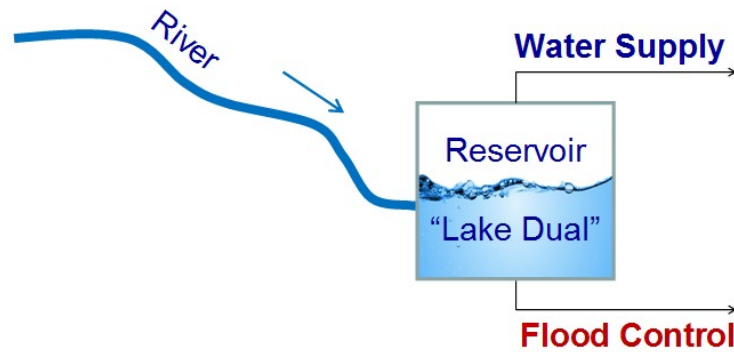
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



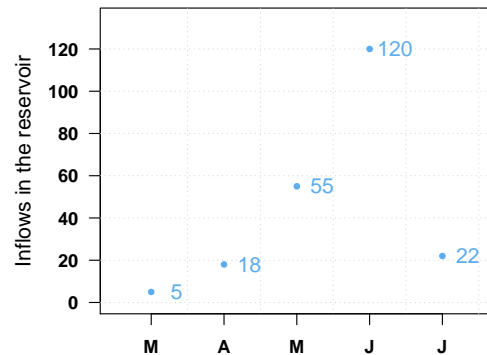
Swof Town



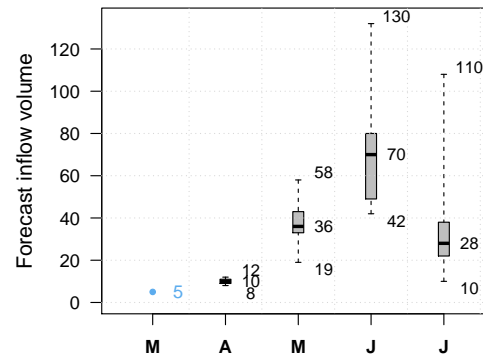
Safe Town



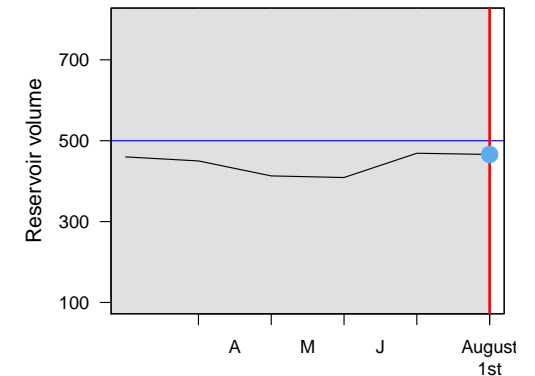
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

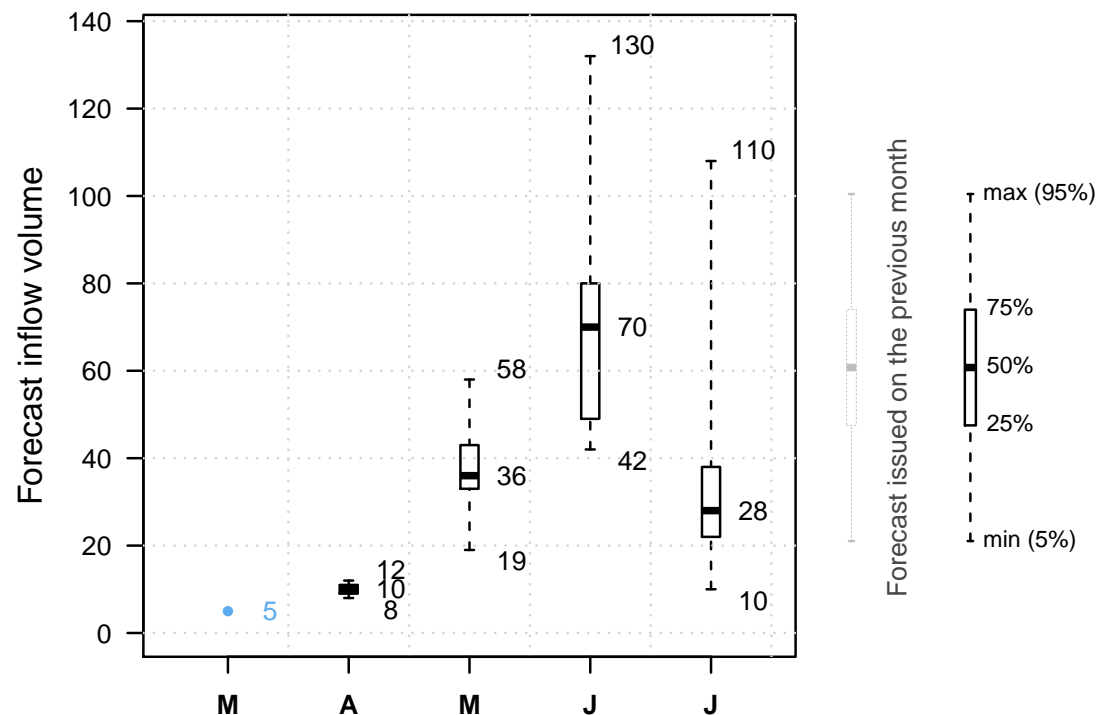


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

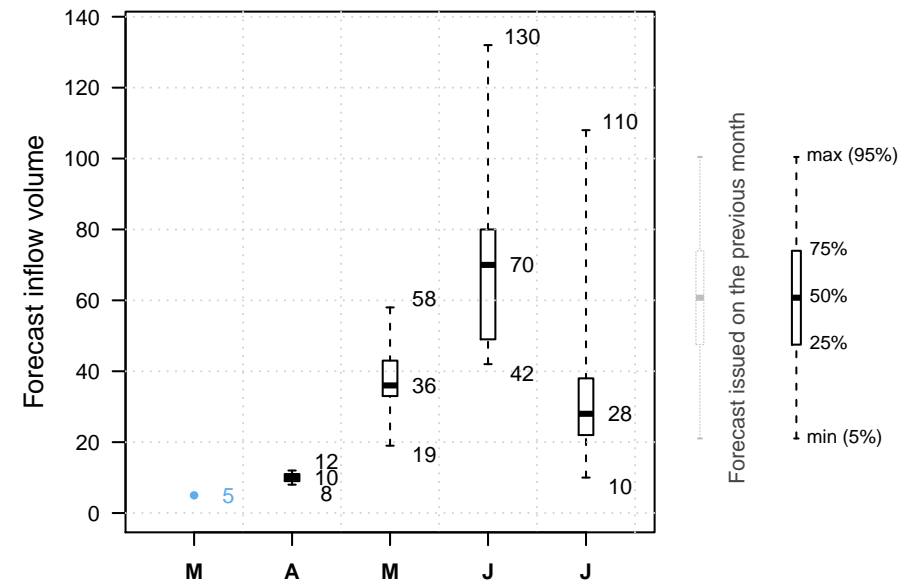
NEXT



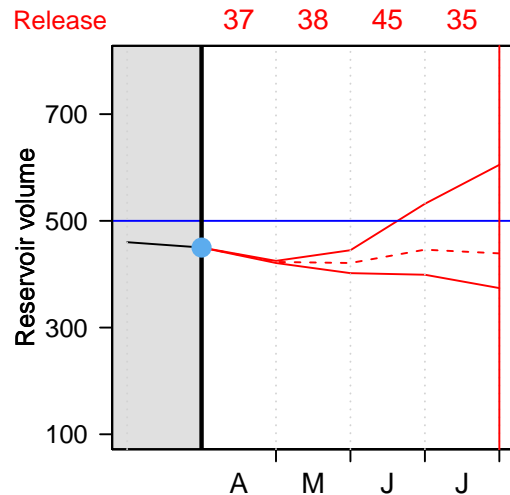
It is April 1st.

And our volunteer?

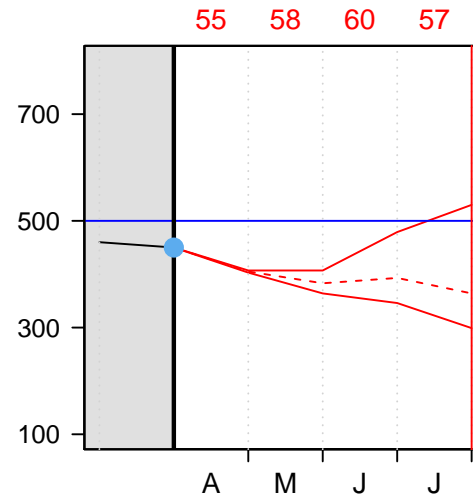
Let's see which release option our volunteer will choose.



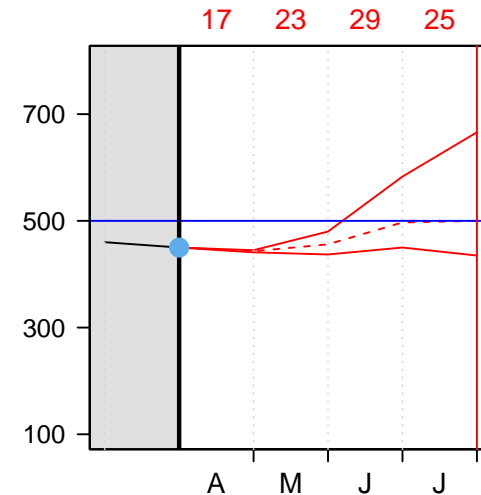
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

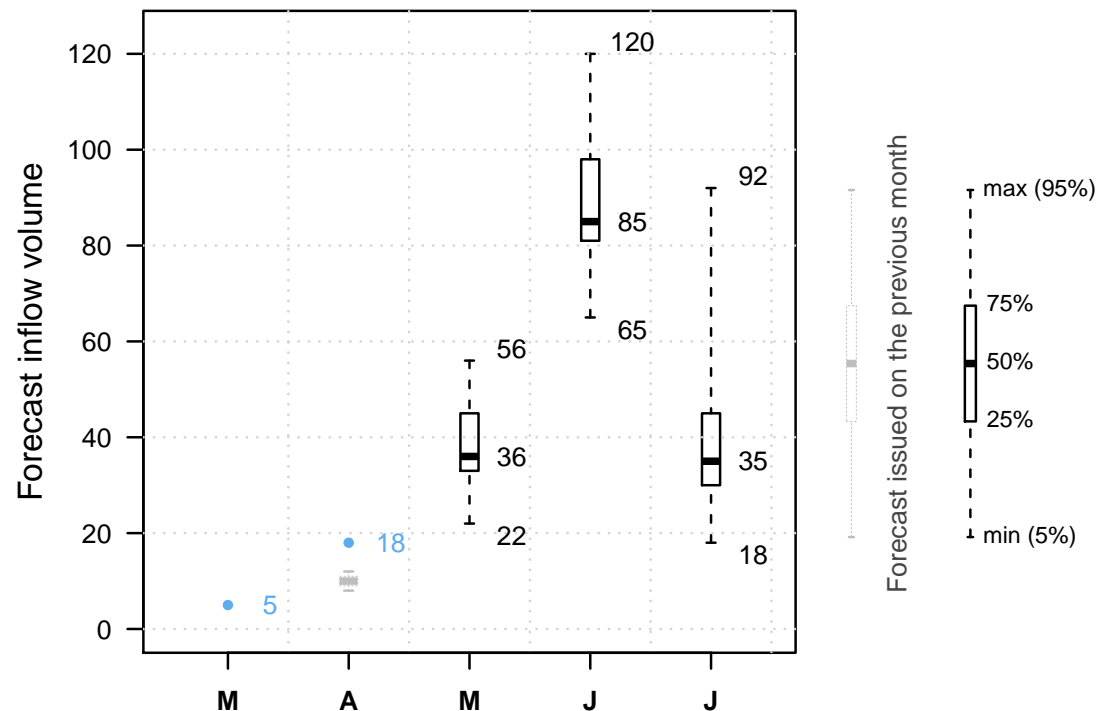


It is May 1st.

The reservoir is at  $451 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

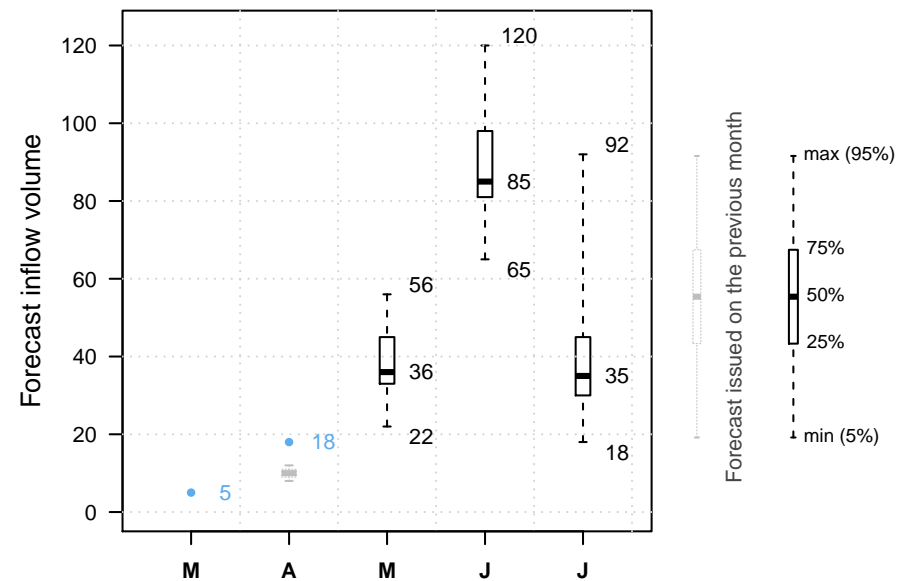
Previous decisions: C



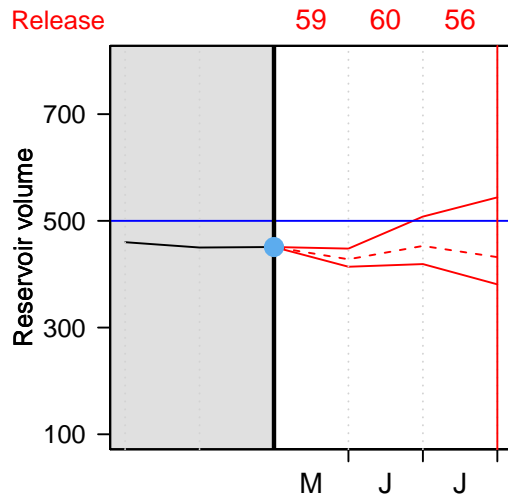
It is May 1st.

And our volunteer?

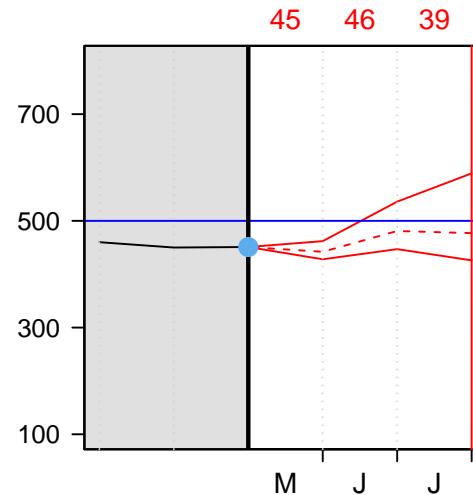
Let's see which release option our volunteer will choose.



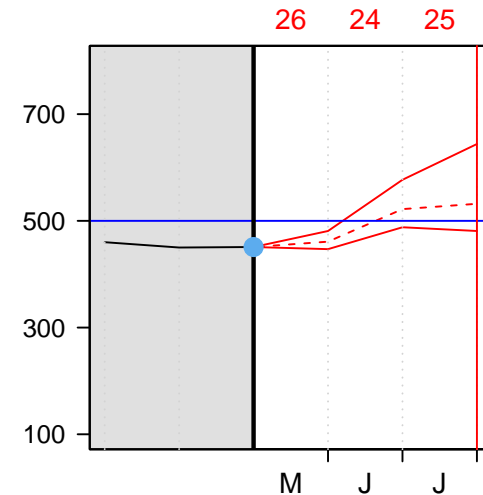
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

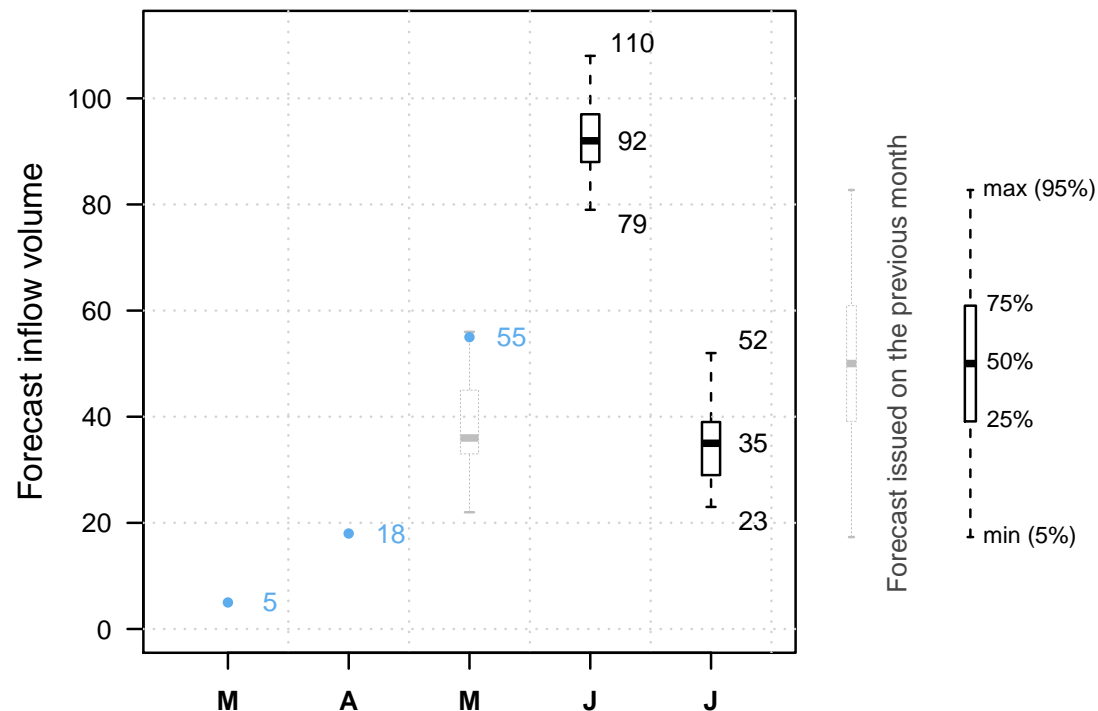


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

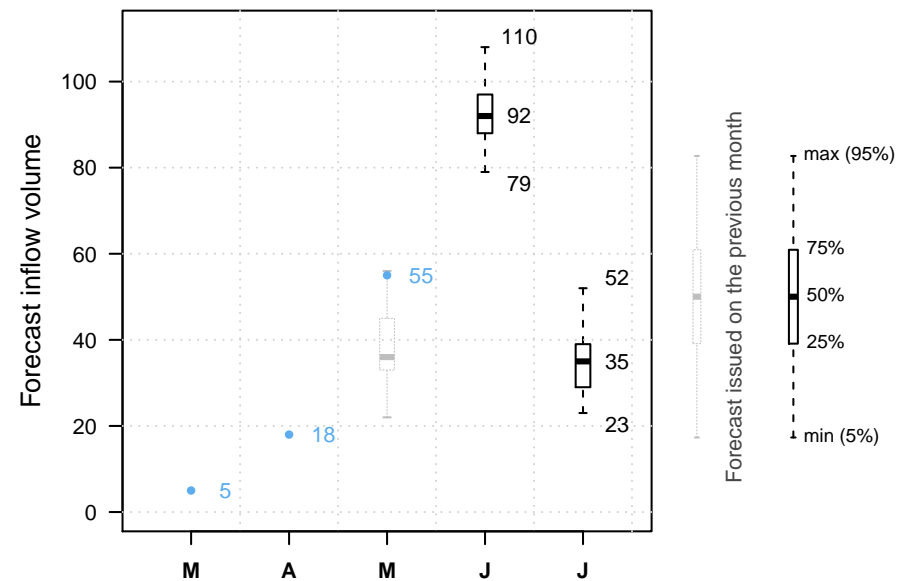
Previous decisions: C A



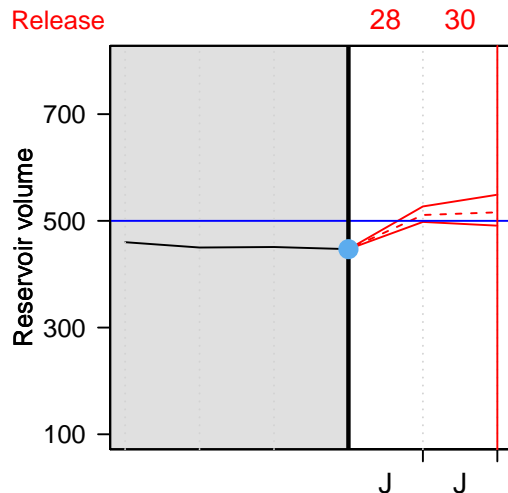
It is June 1st.

And our volunteer?

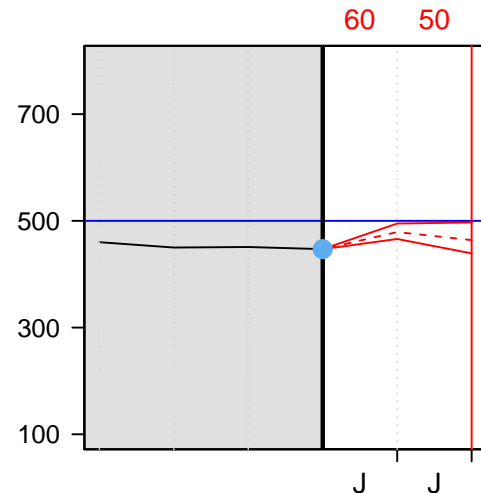
Let's see which release option our volunteer will choose.



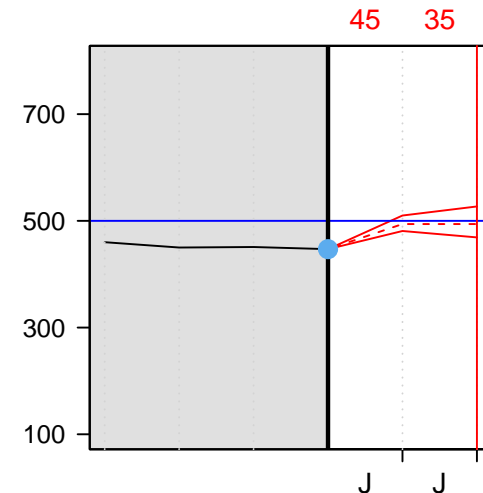
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 507 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

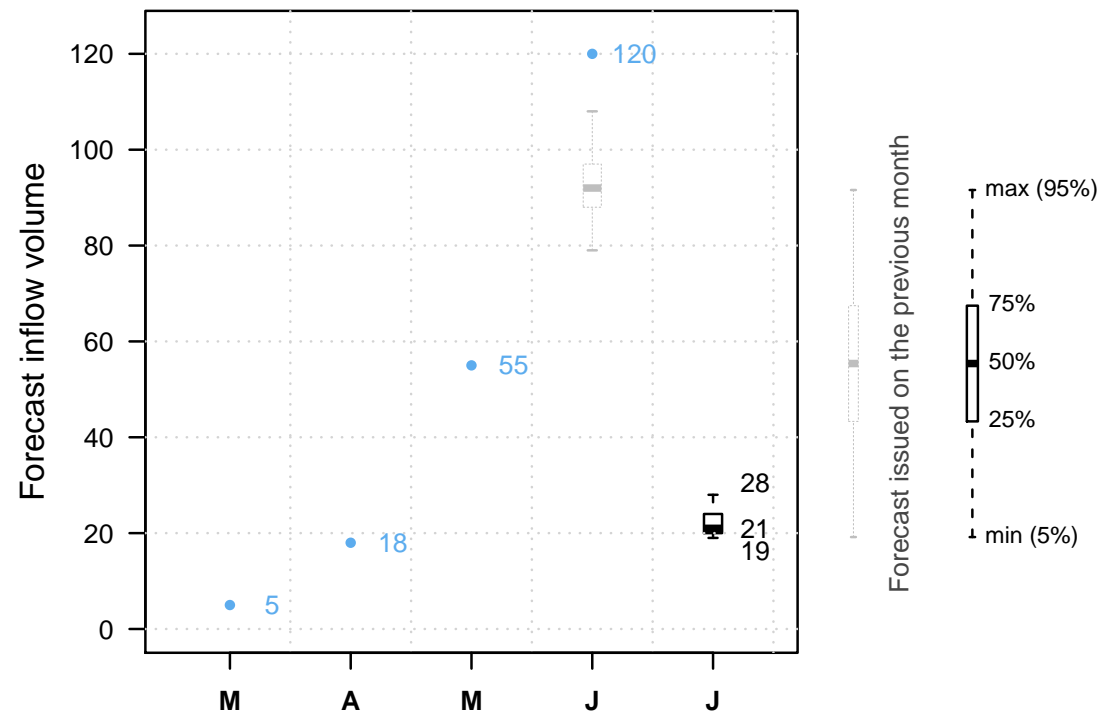


It is July 1st.

The reservoir is at  $507 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

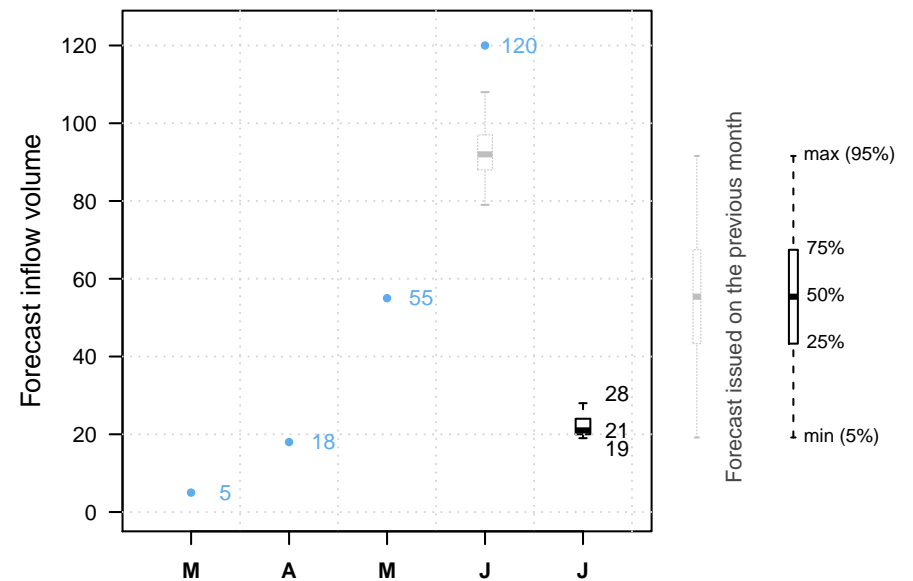
Previous decisions: C A B



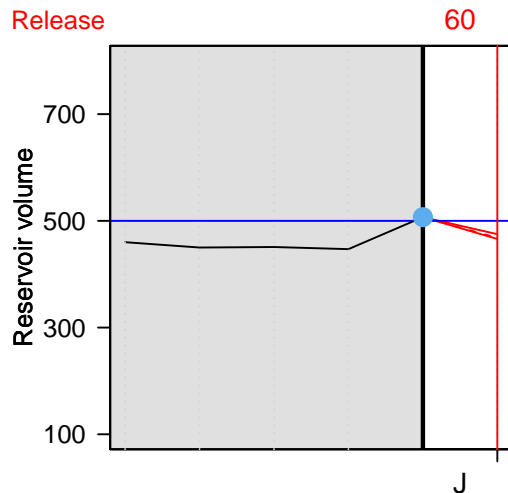
It is July 1st.

And our volunteer?

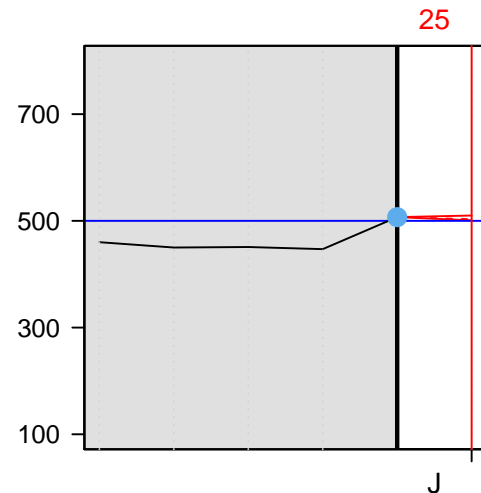
Let's see which release option our volunteer will choose.



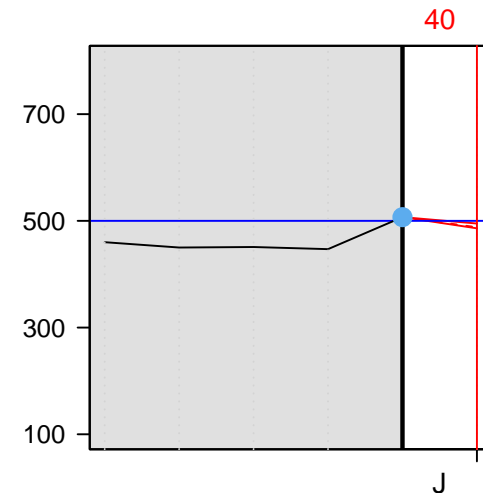
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$507 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 504 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

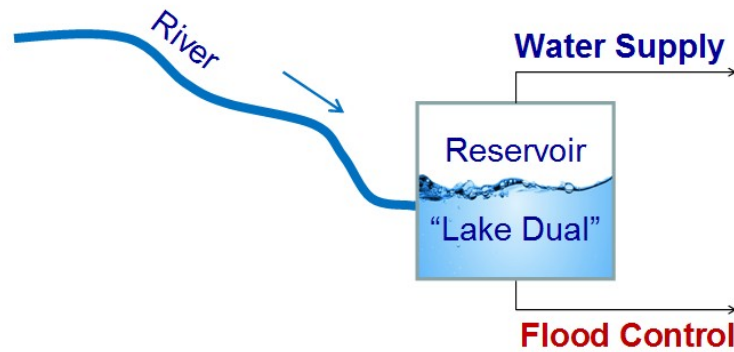
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



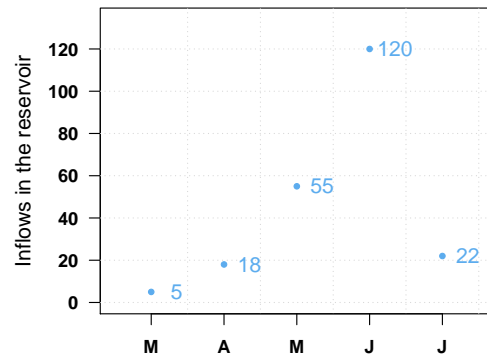
Swof Town



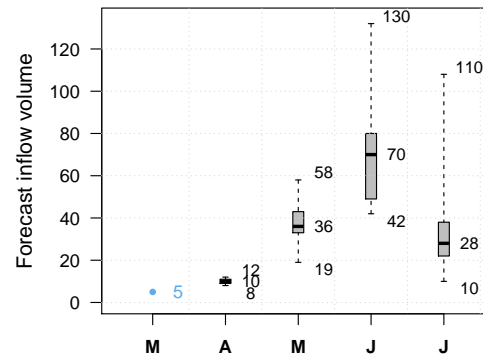
Safe Town



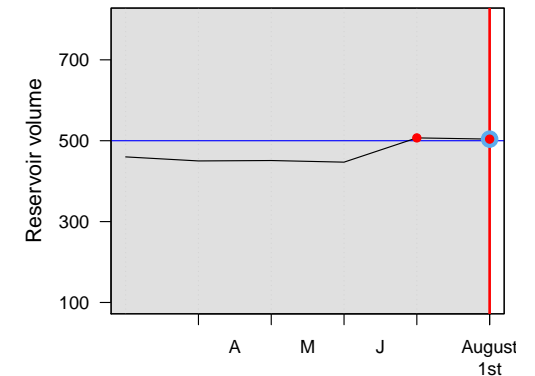
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

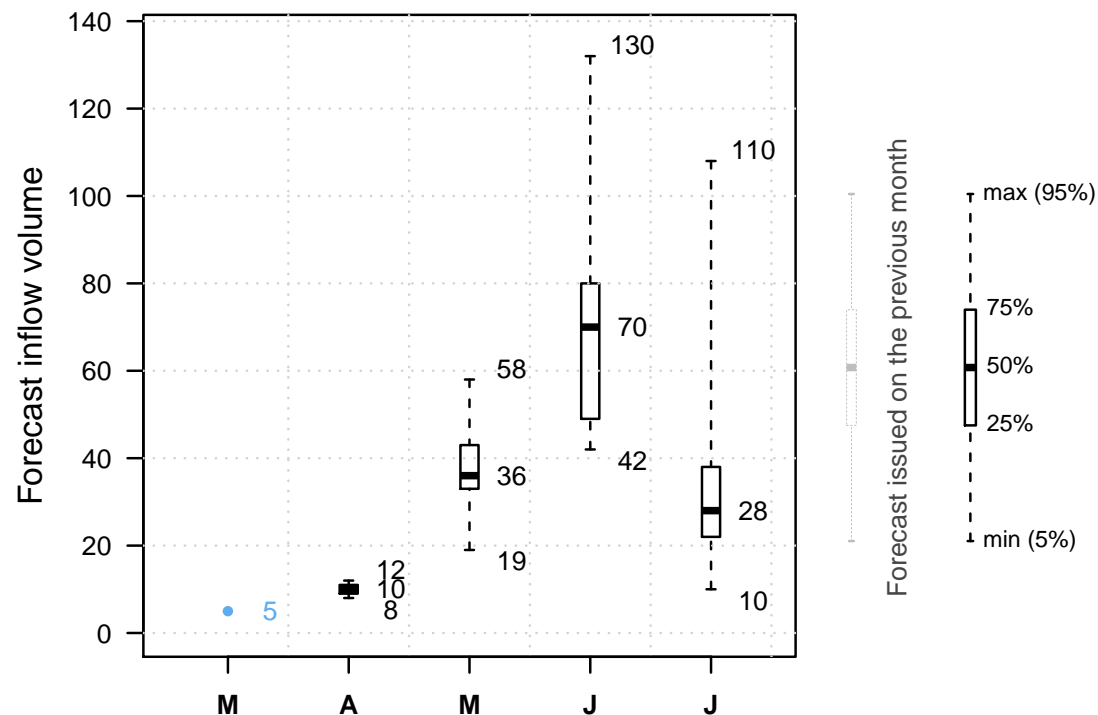


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

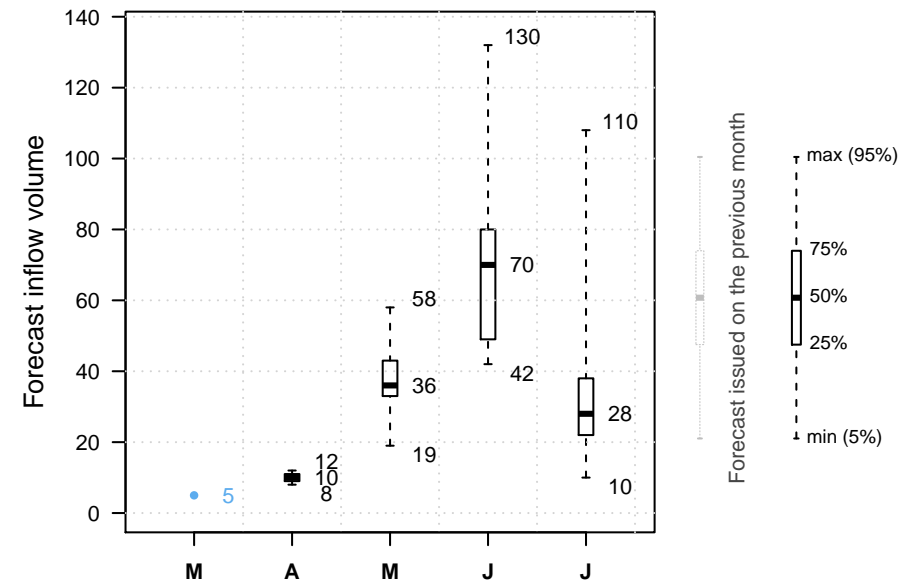
**NEXT**



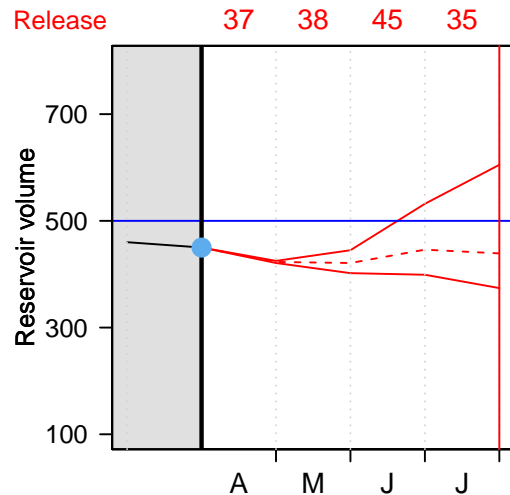
It is April 1st.

And our volunteer?

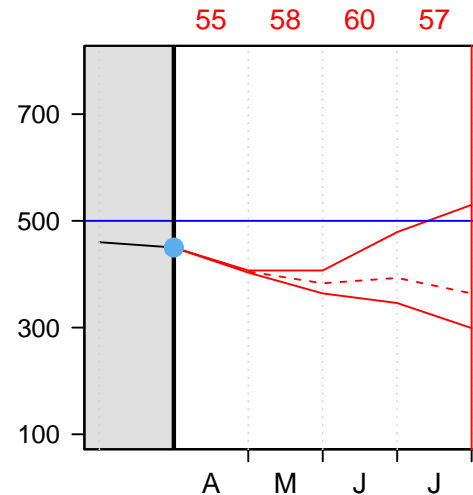
Let's see which release option our volunteer will choose.



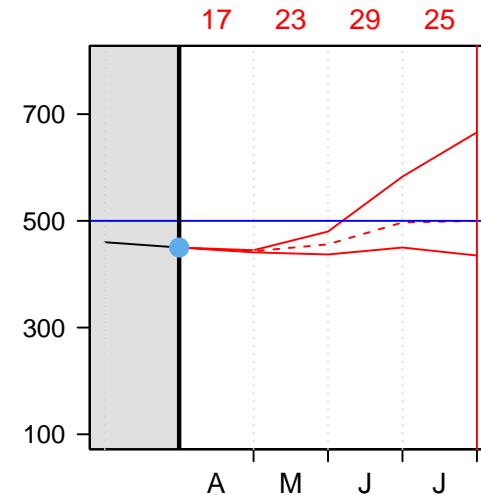
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

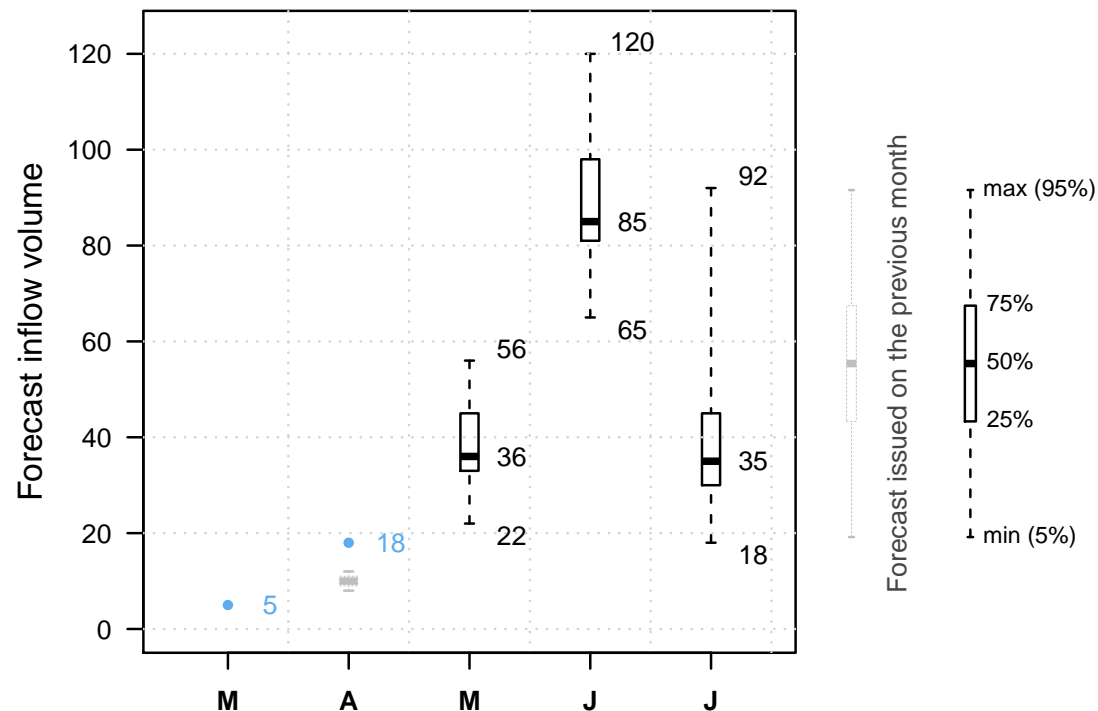


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



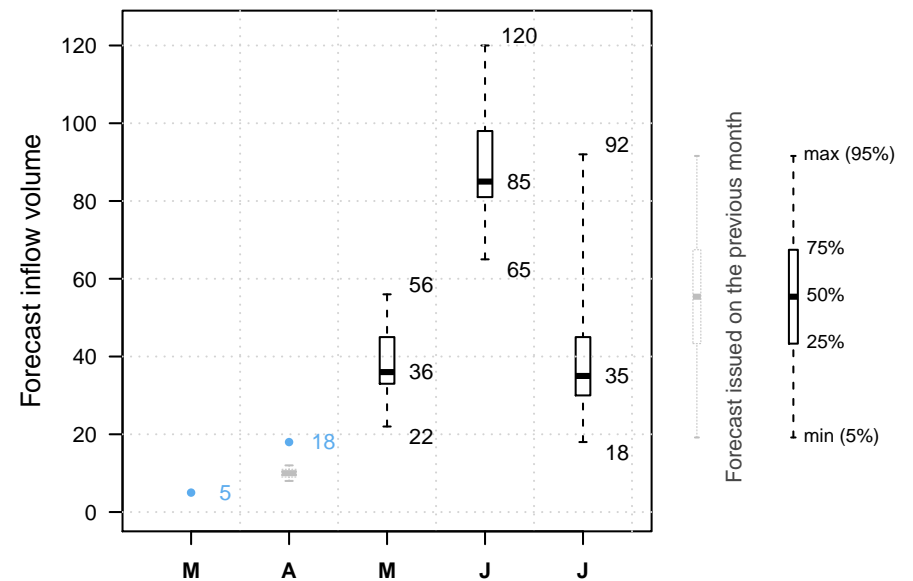
Previous decisions: A



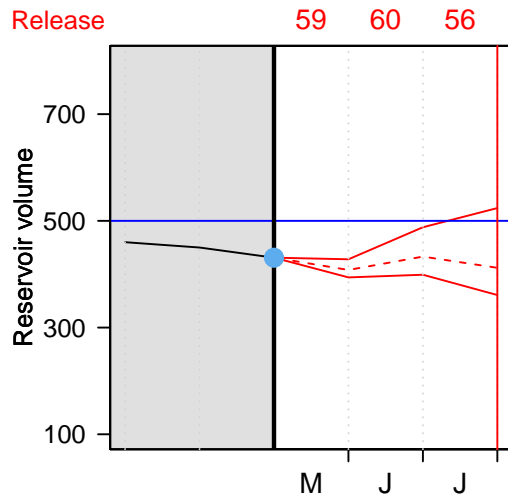
It is May 1st.

And our volunteer?

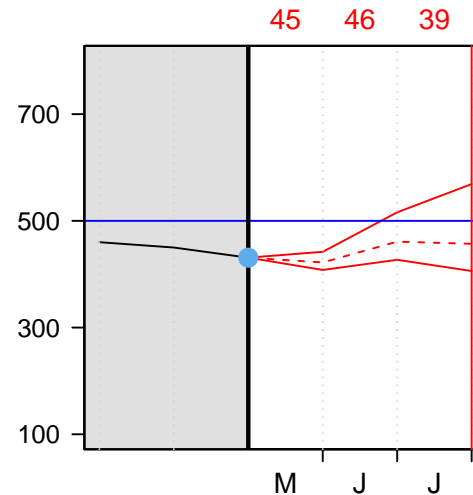
Let's see which release option our volunteer will choose.



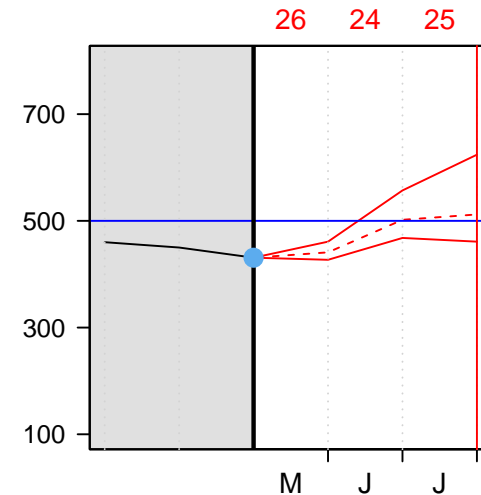
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

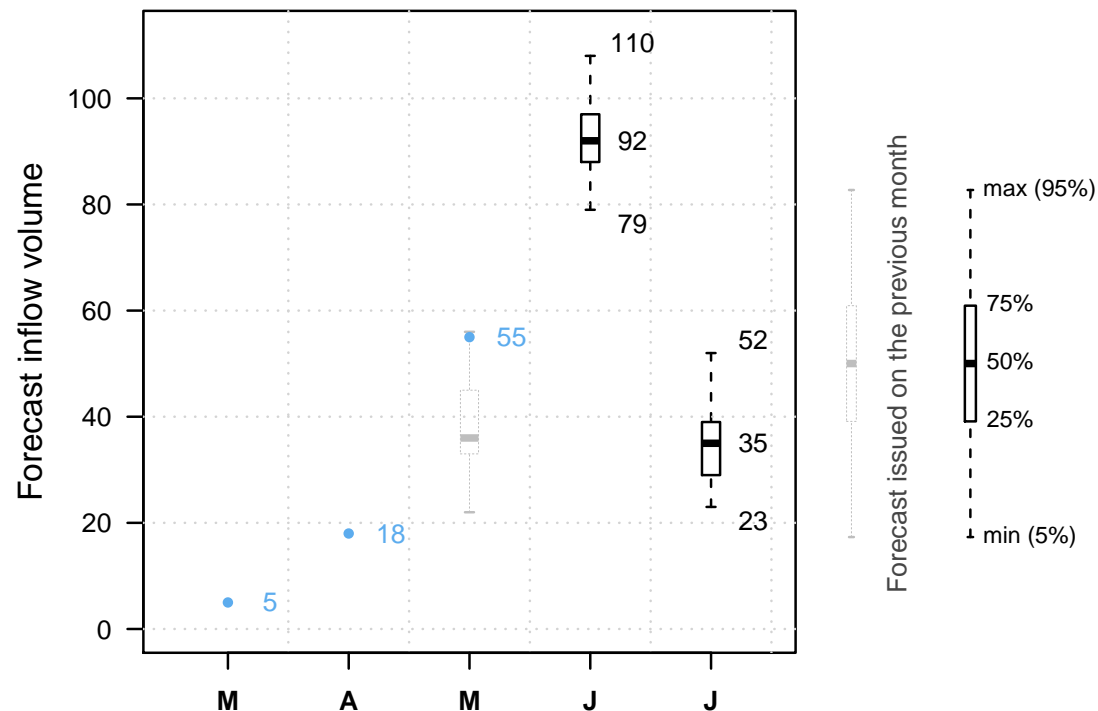


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

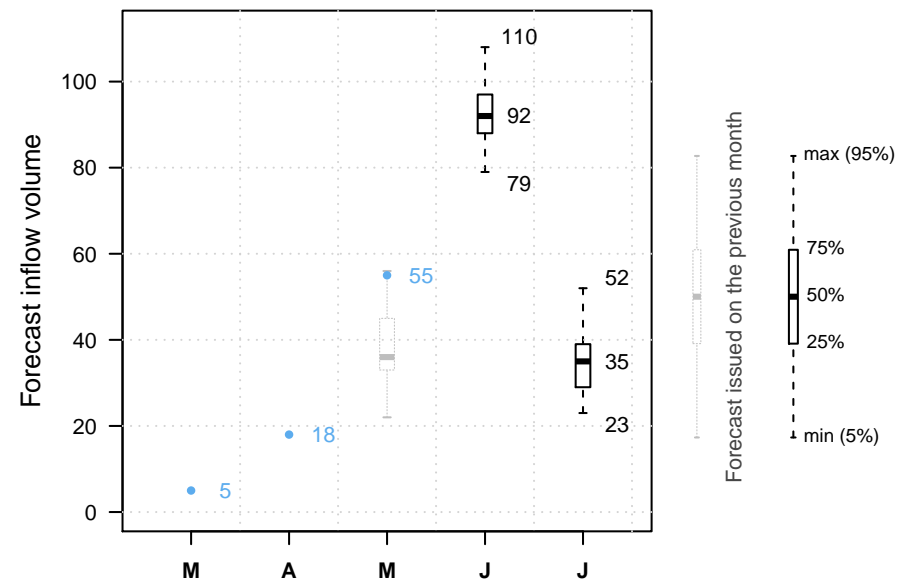
Previous decisions: A B



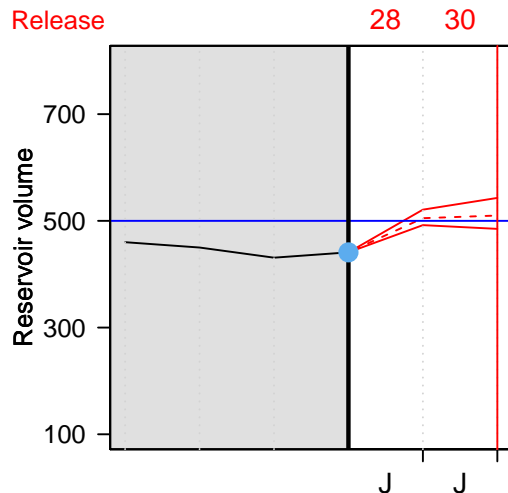
It is June 1st.

And our volunteer?

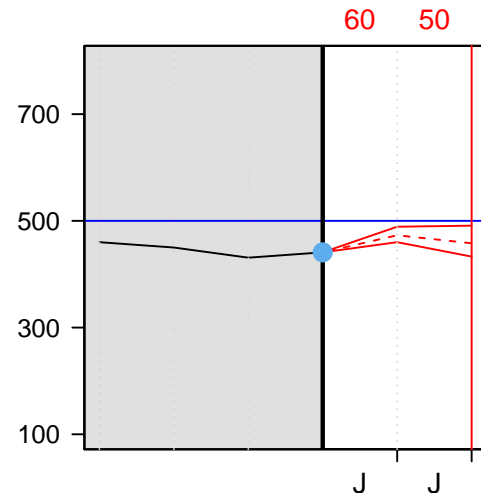
Let's see which release option our volunteer will choose.



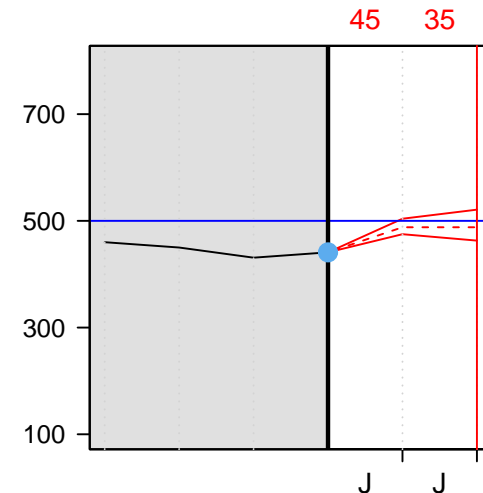
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

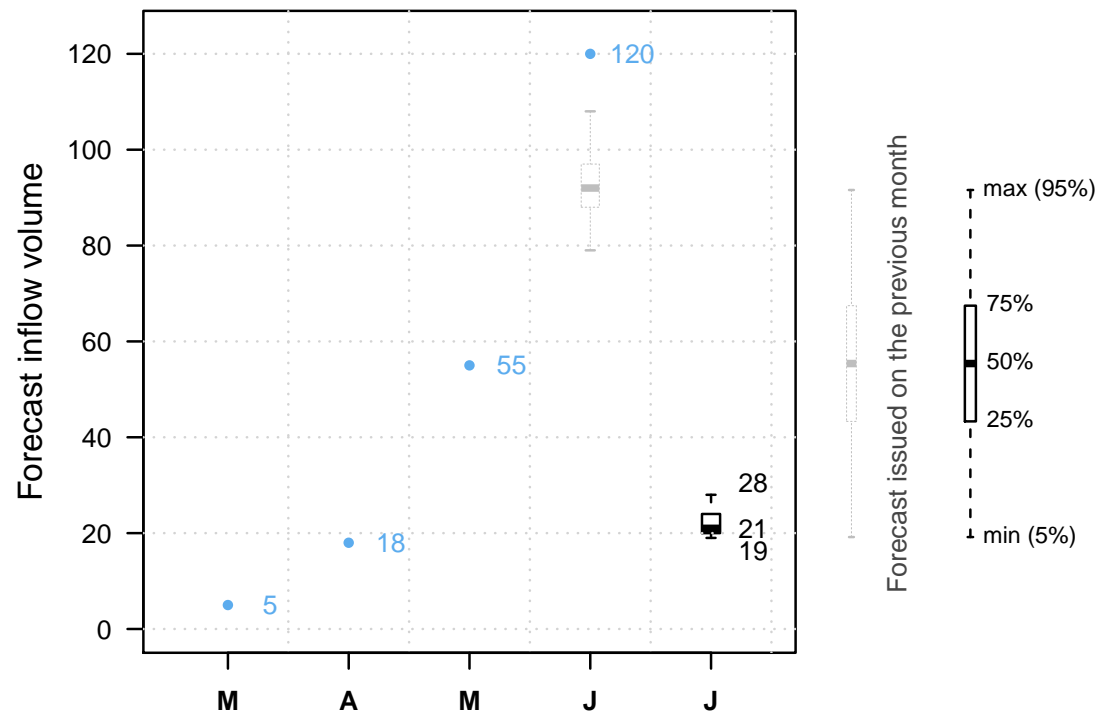


It is July 1st.

The reservoir is at  $501 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



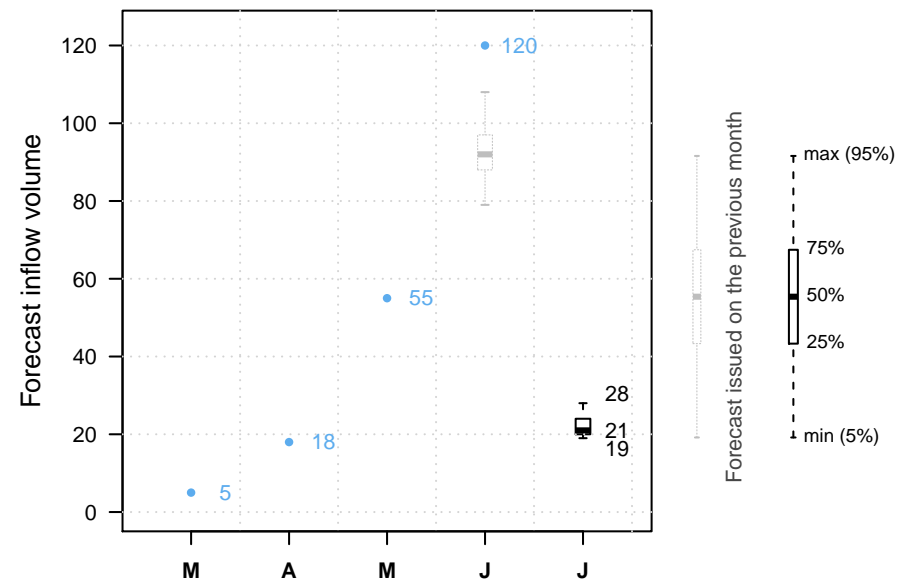
Previous decisions: A B B



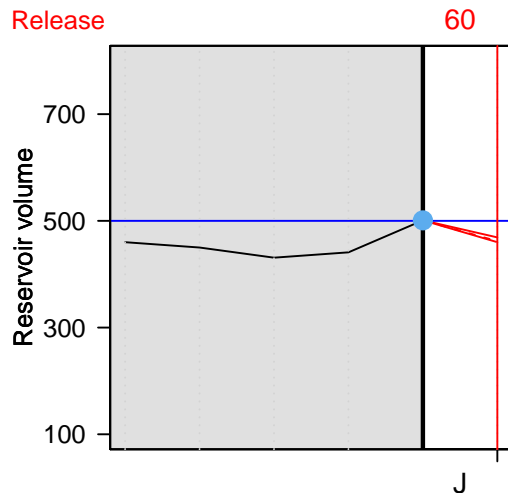
It is July 1st.

And our volunteer?

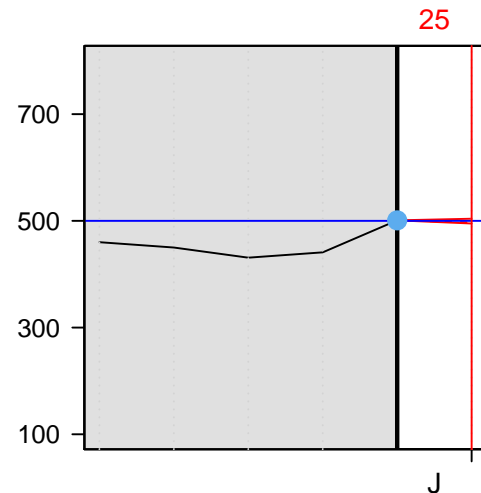
Let's see which release option our volunteer will choose.



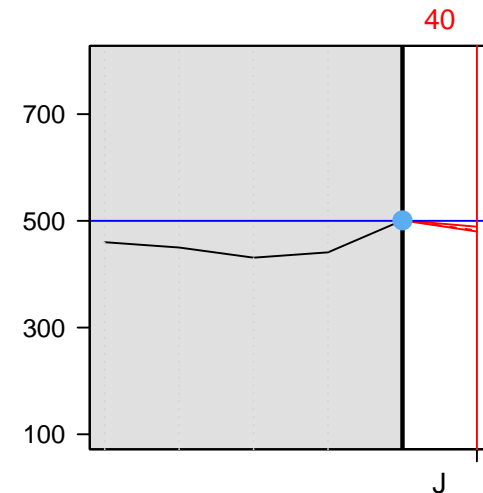
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

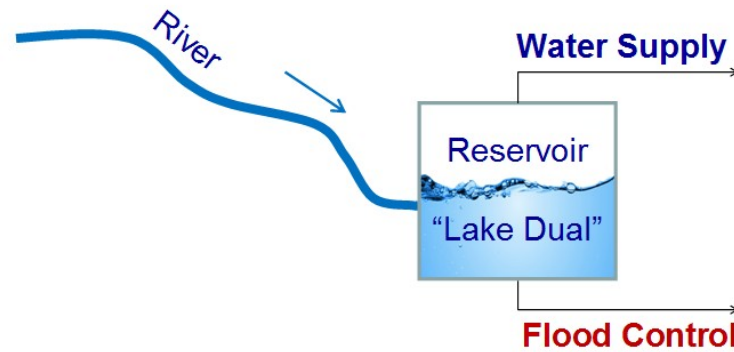
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



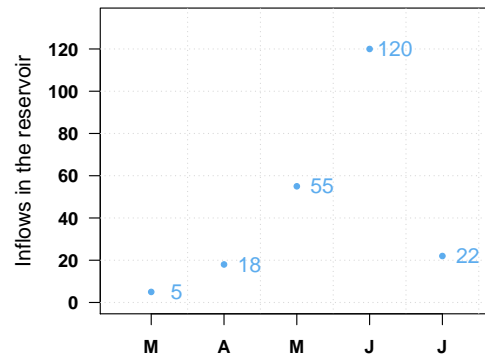
Swof Town



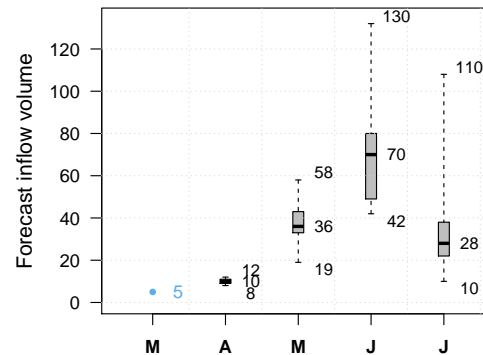
Safe Town



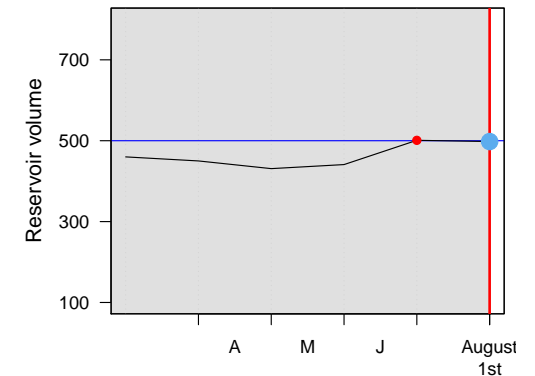
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

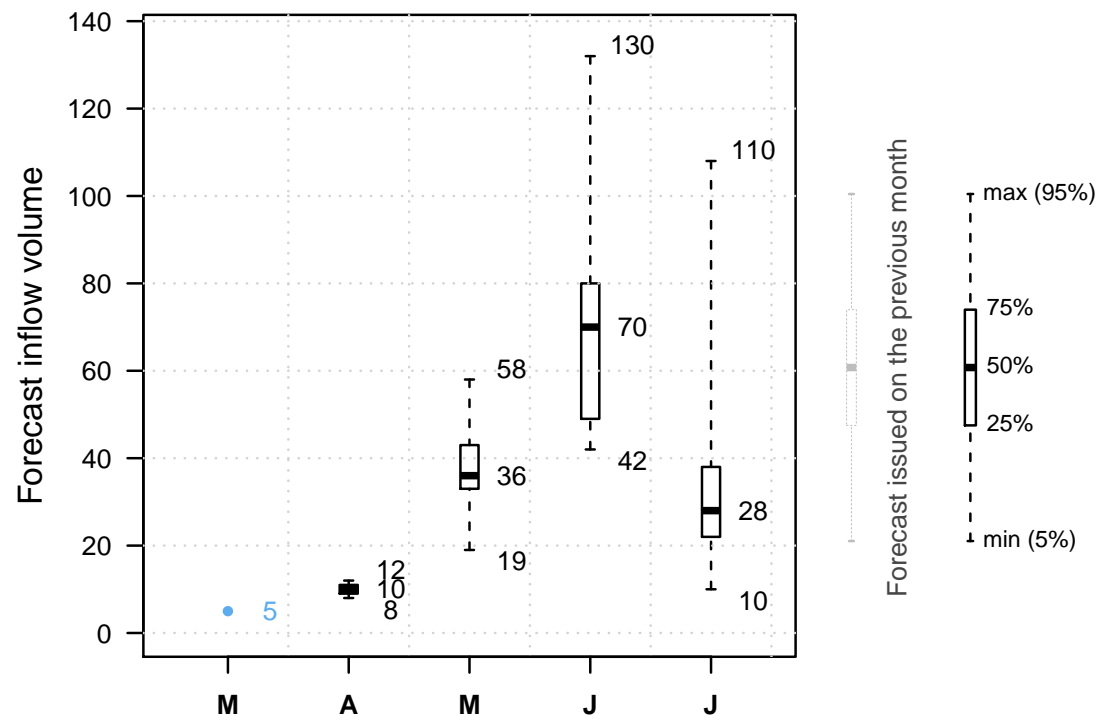


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

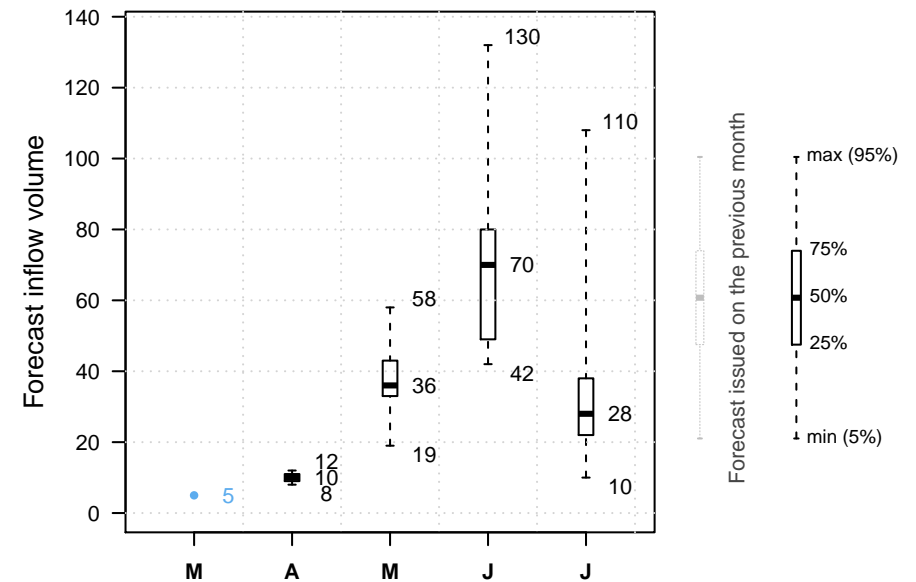
**NEXT**



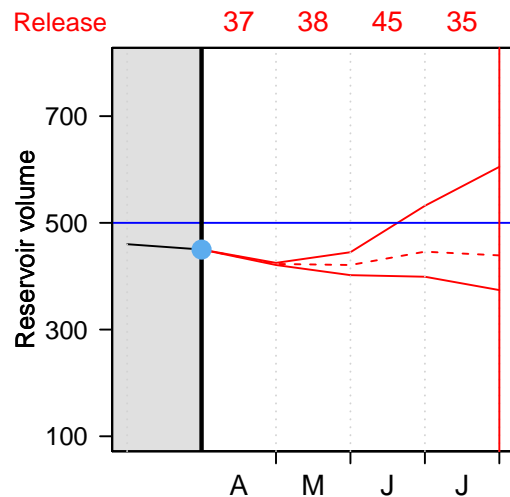
It is April 1st.

And our volunteer?

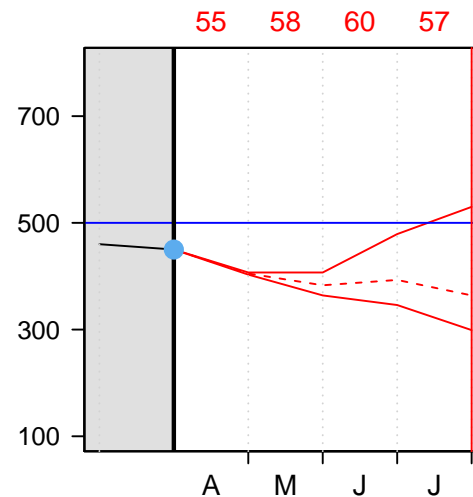
Let's see which release option our volunteer will choose.



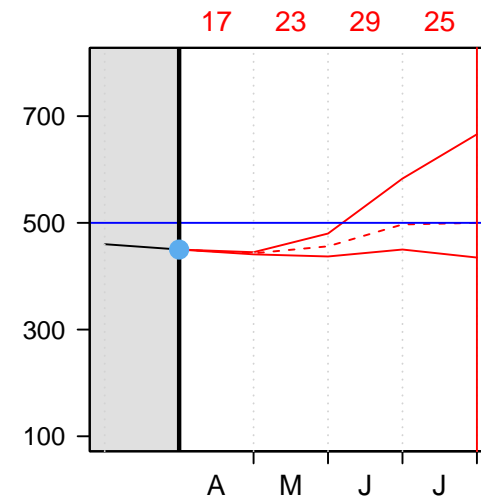
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



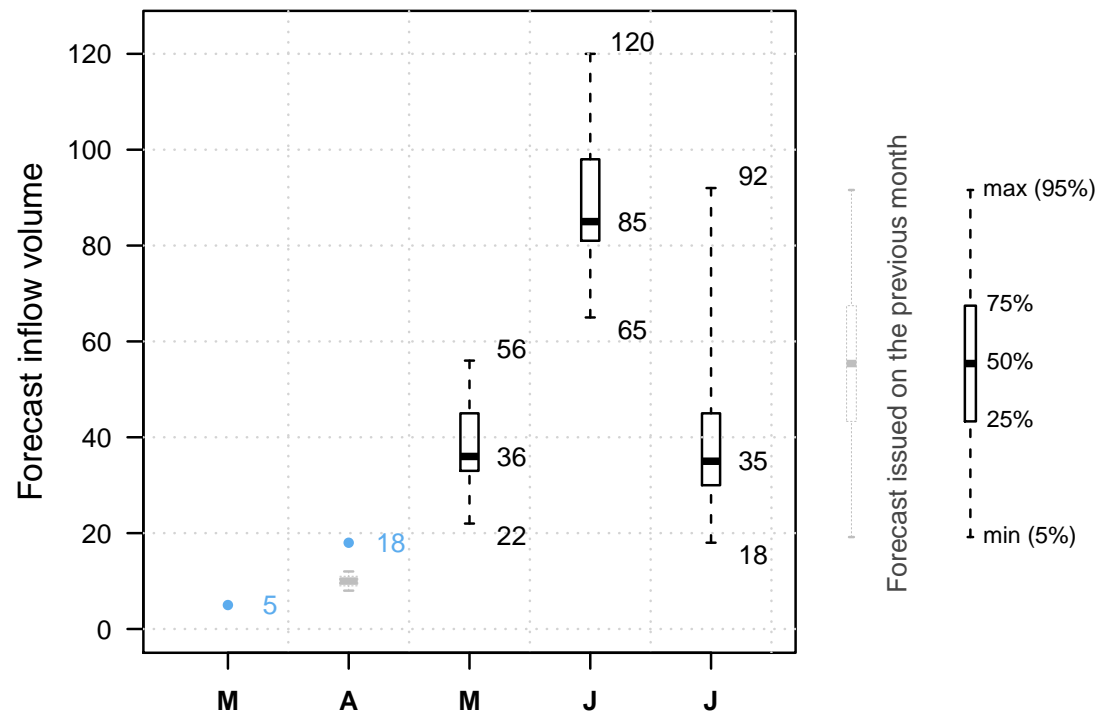


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

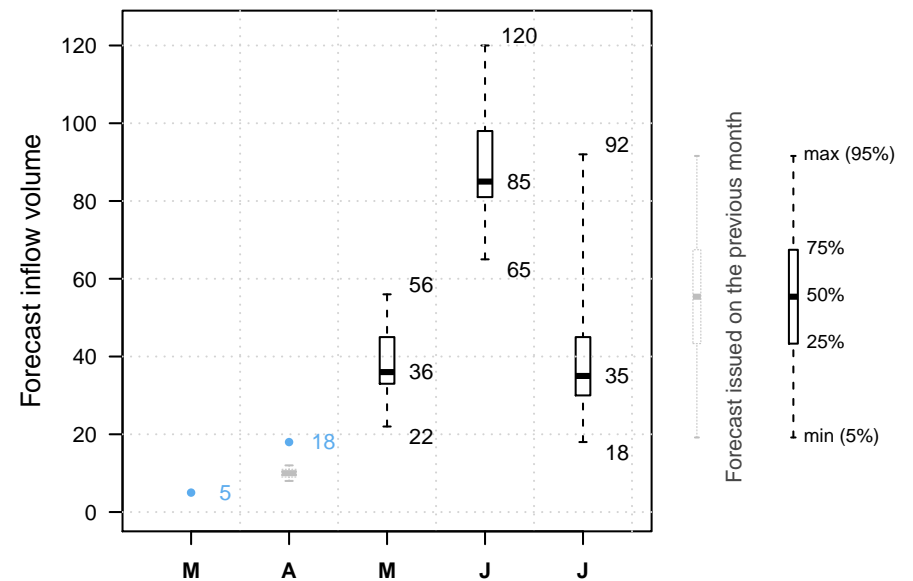
Previous decisions: B



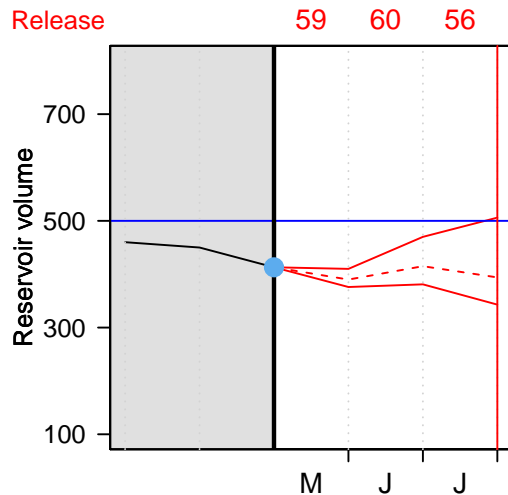
It is May 1st.

And our volunteer?

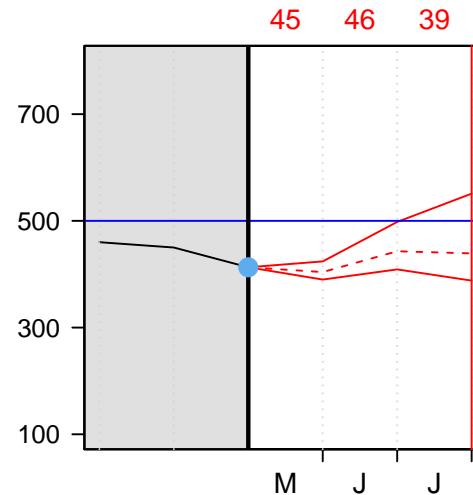
Let's see which release option our volunteer will choose.



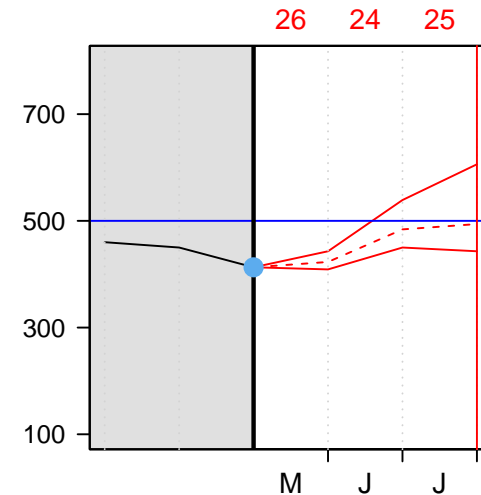
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

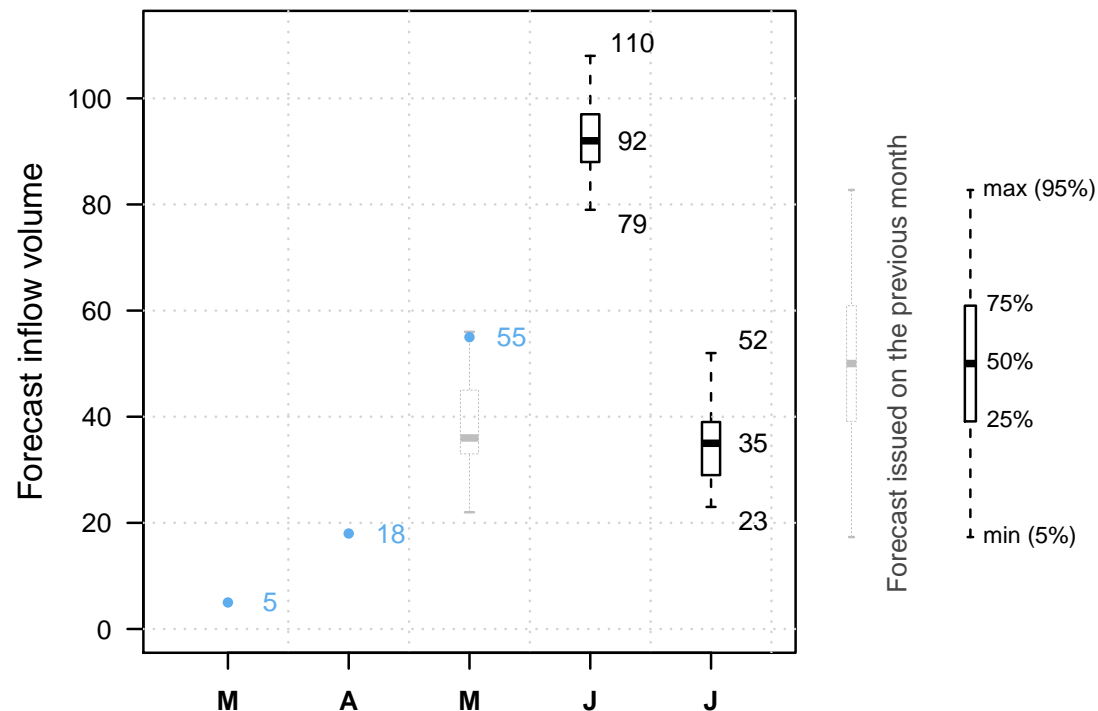


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

NEXT

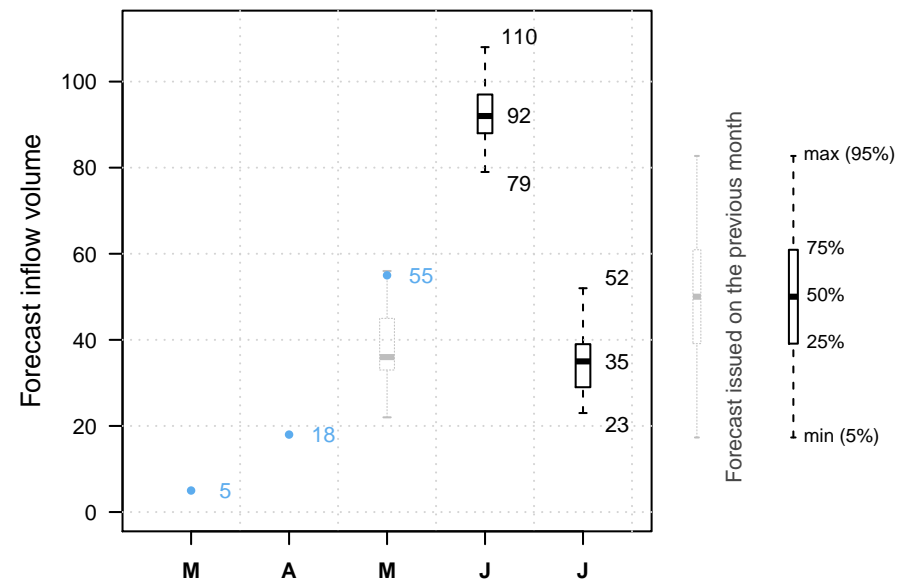
Previous decisions: B B



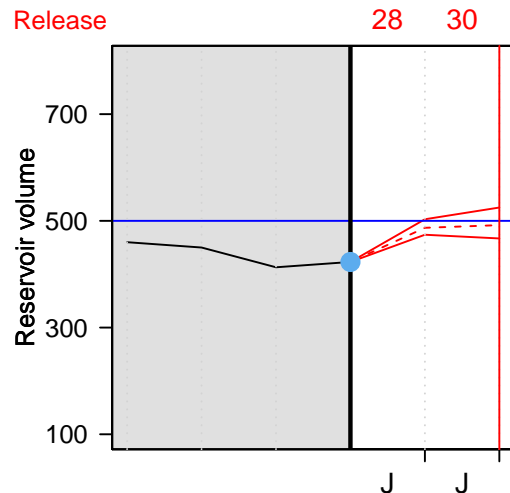
It is June 1st.

And our volunteer?

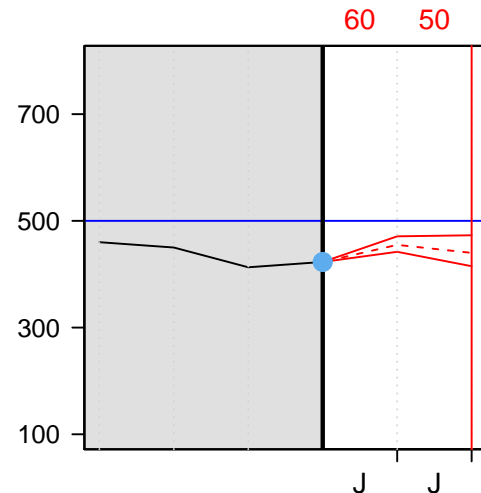
Let's see which release option our volunteer will choose.



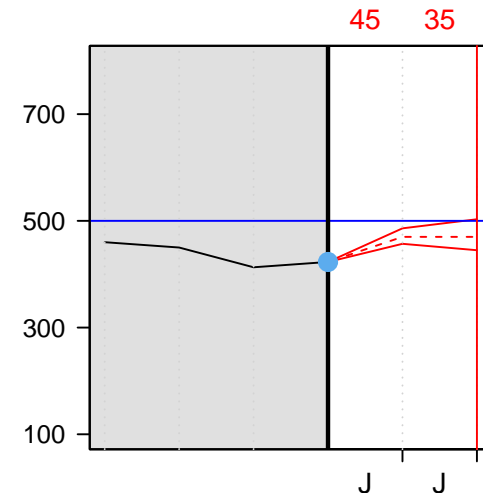
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



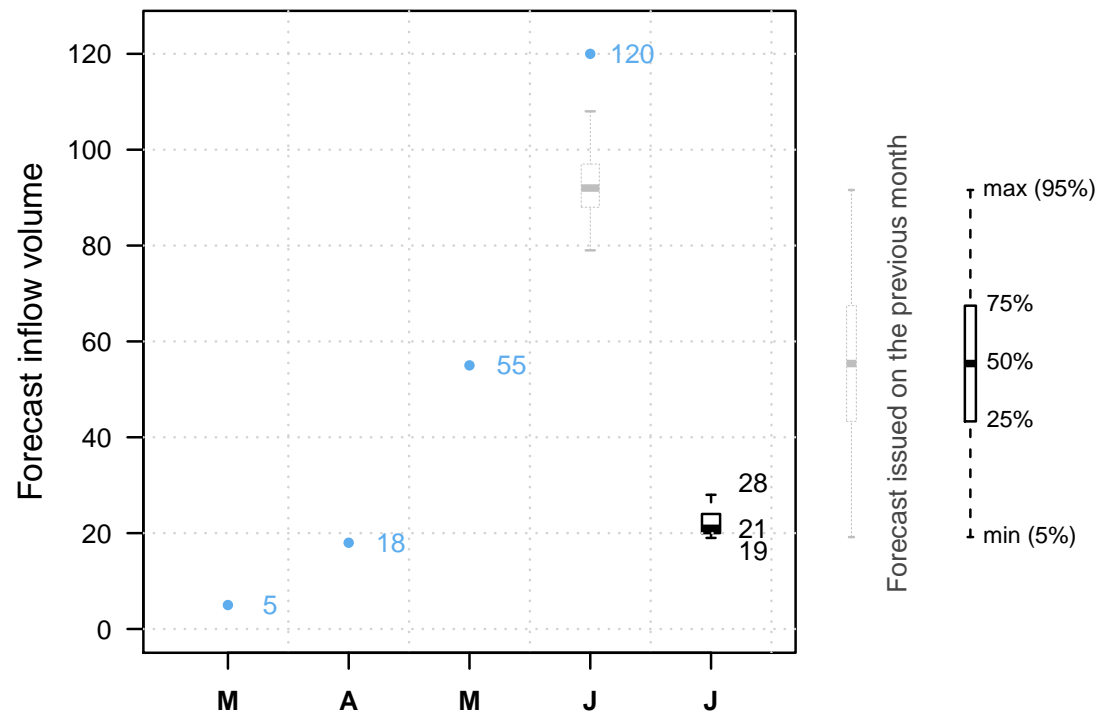


It is July 1st.

The reservoir is at 483  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

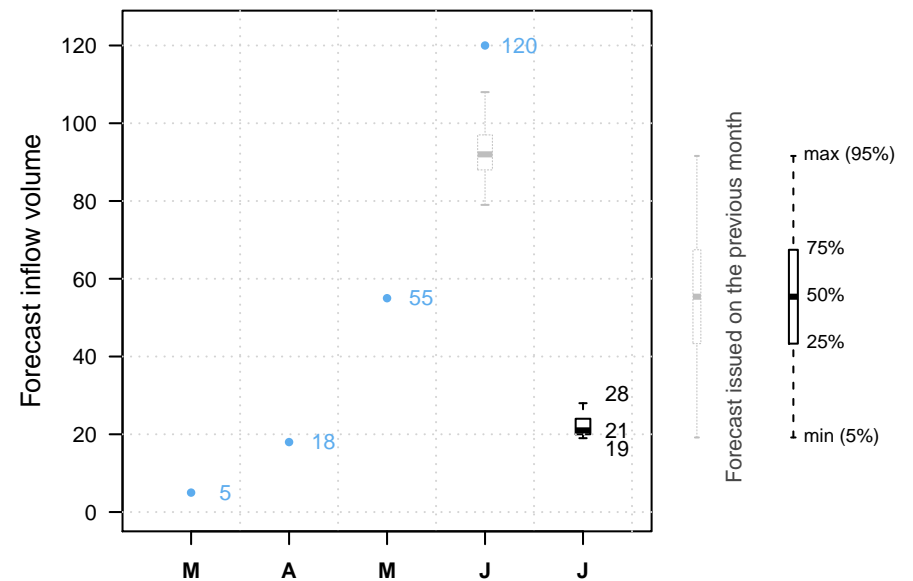
Previous decisions: B B B



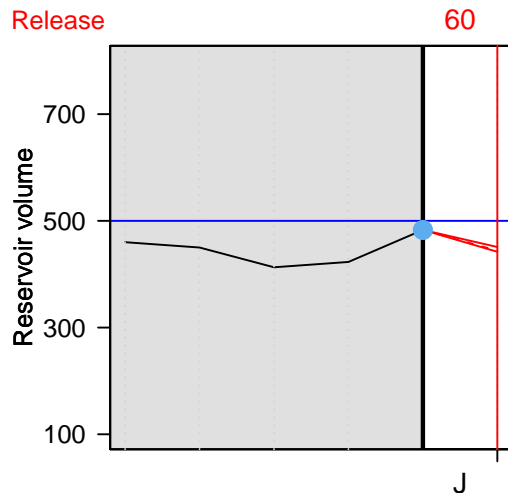
It is July 1st.

And our volunteer?

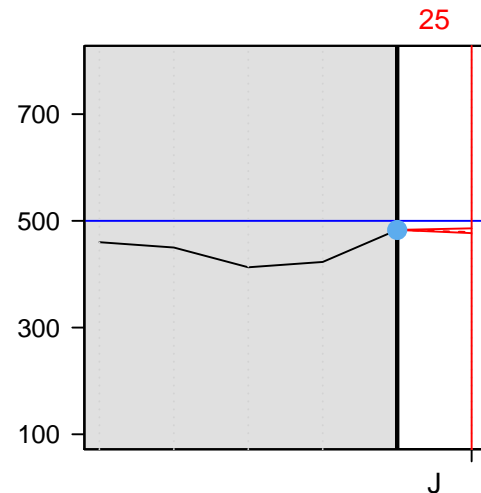
Let's see which release option our volunteer will choose.



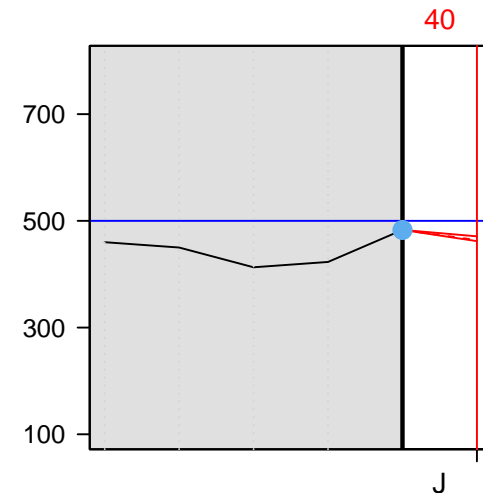
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$483 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

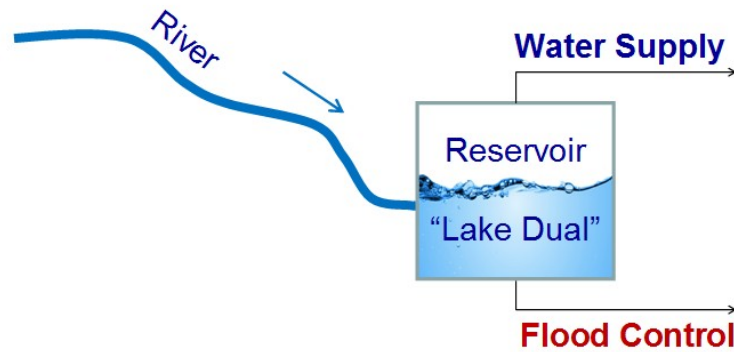
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



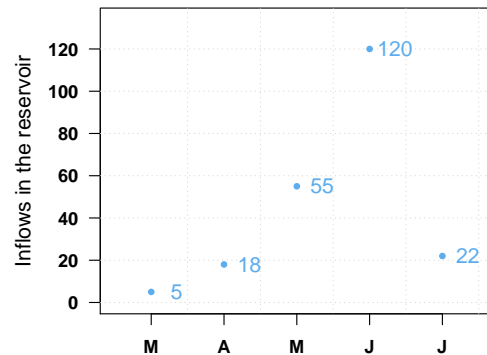
Swof Town



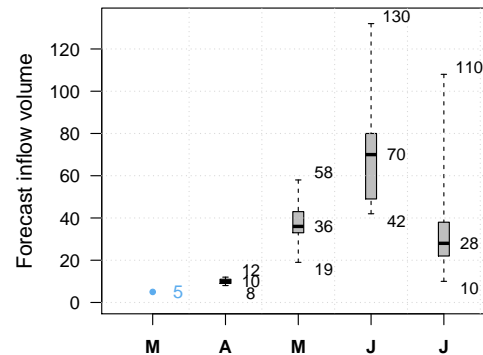
Safe Town



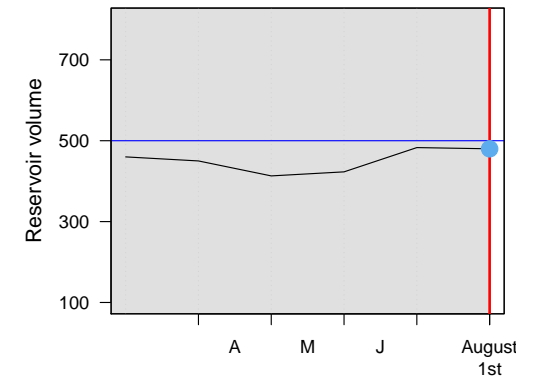
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

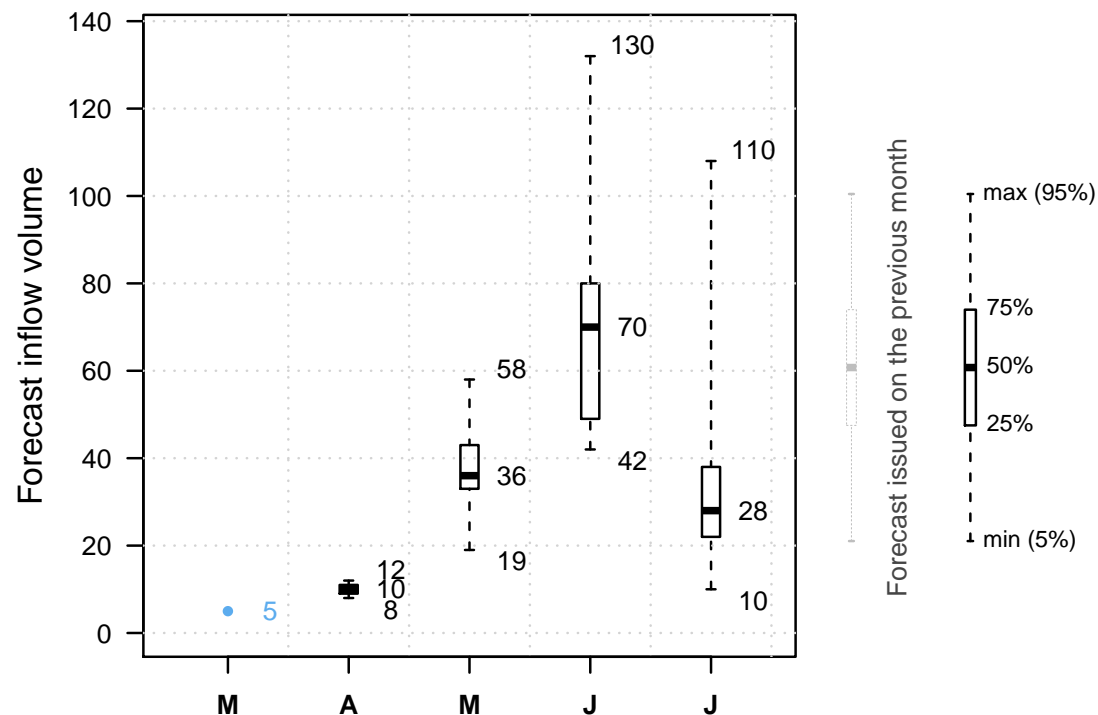


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

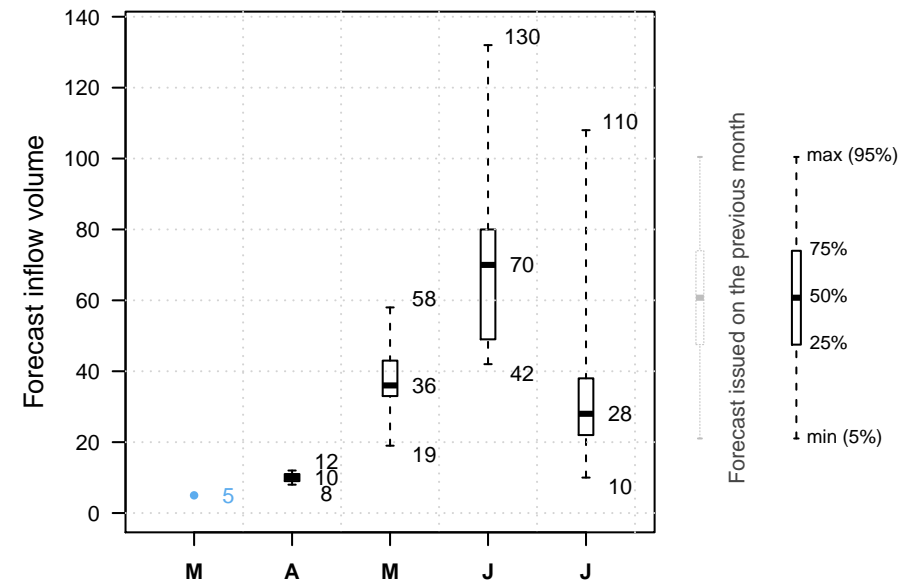
NEXT



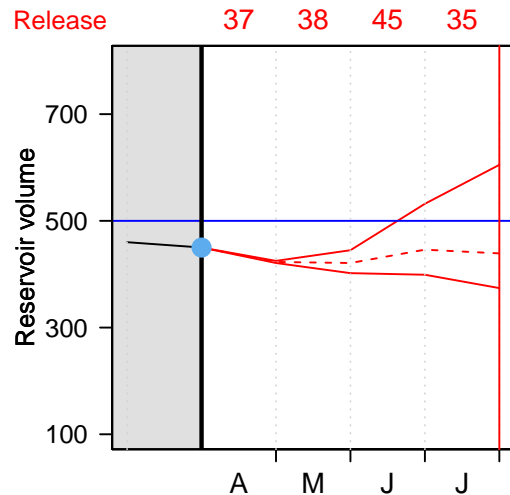
It is April 1st.

And our volunteer?

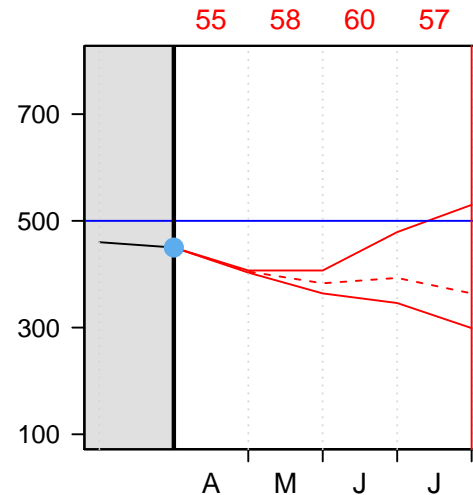
Let's see which release option our volunteer will choose.



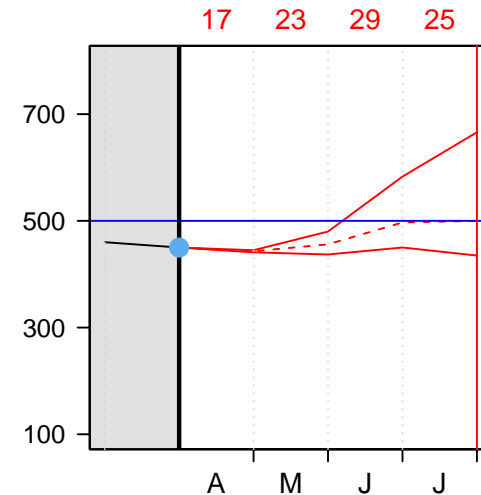
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

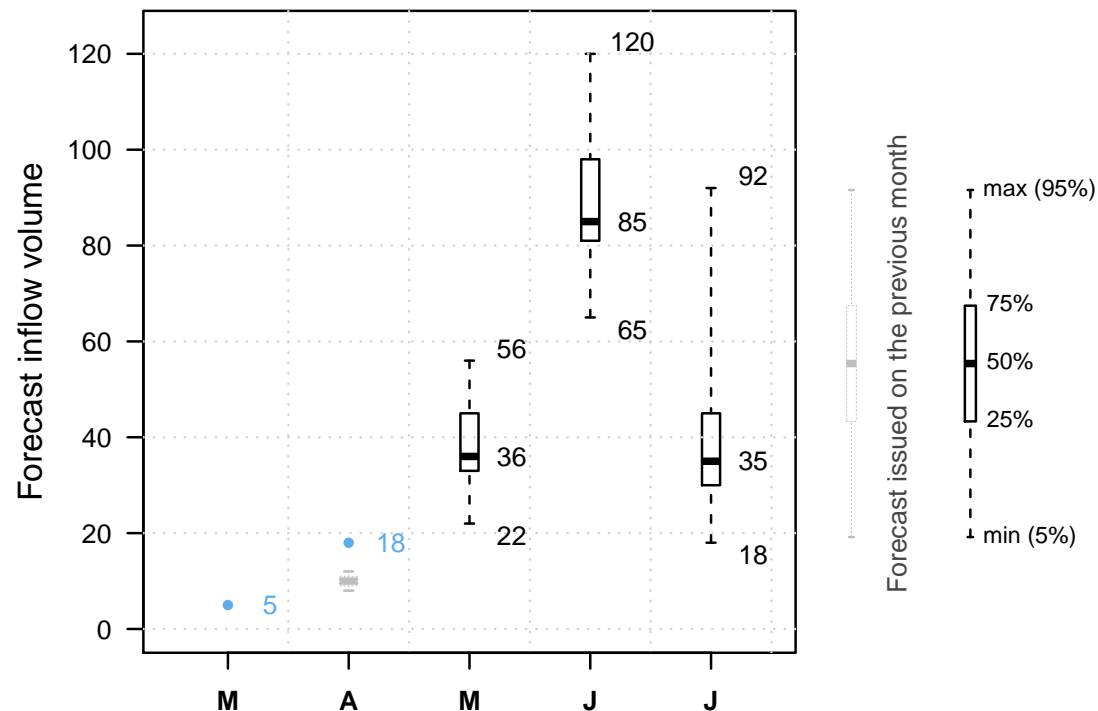


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

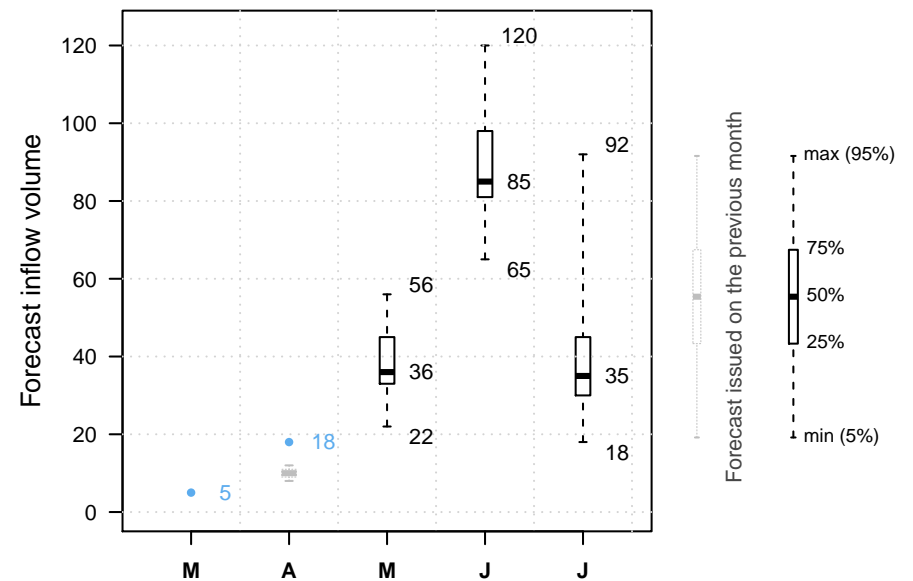
Previous decisions: C



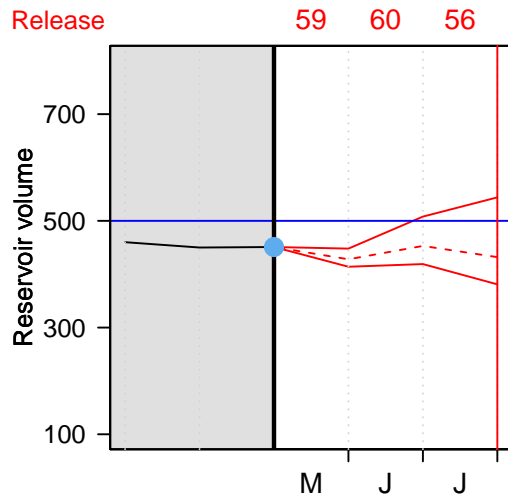
It is May 1st.

And our volunteer?

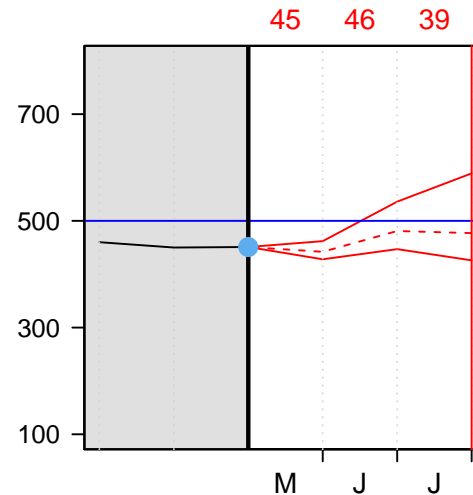
Let's see which release option our volunteer will choose.



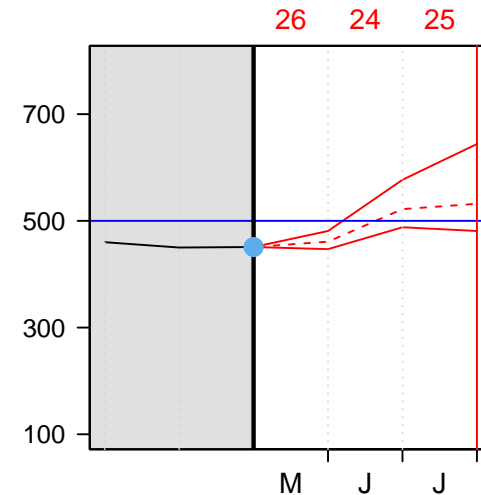
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

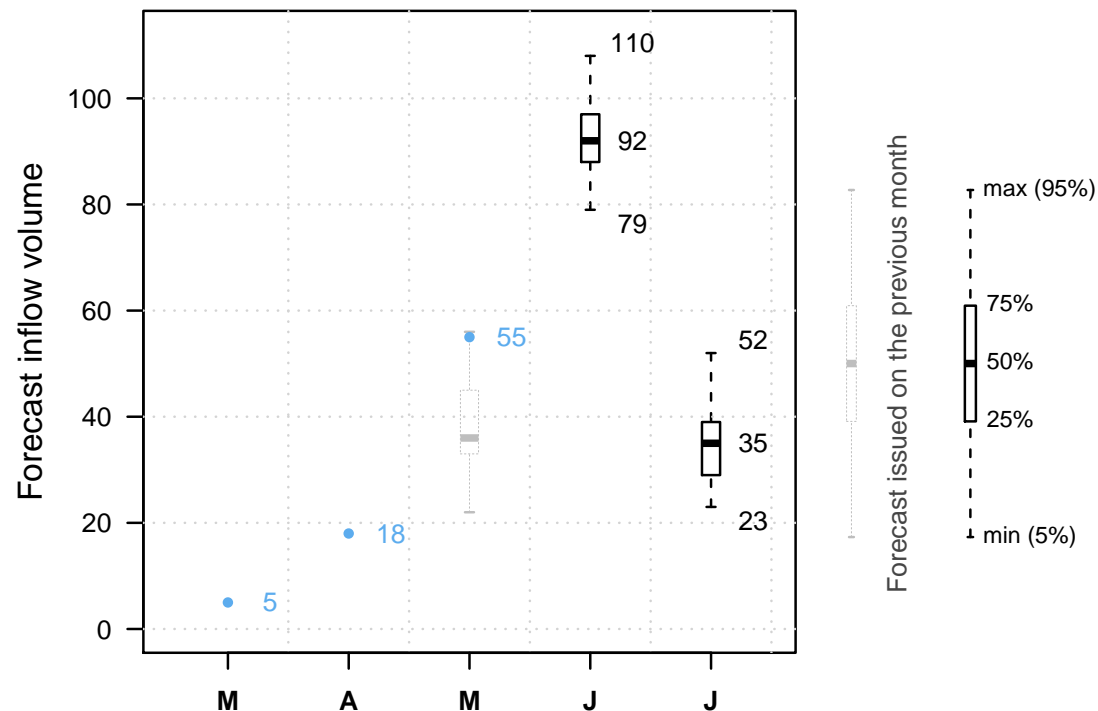


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

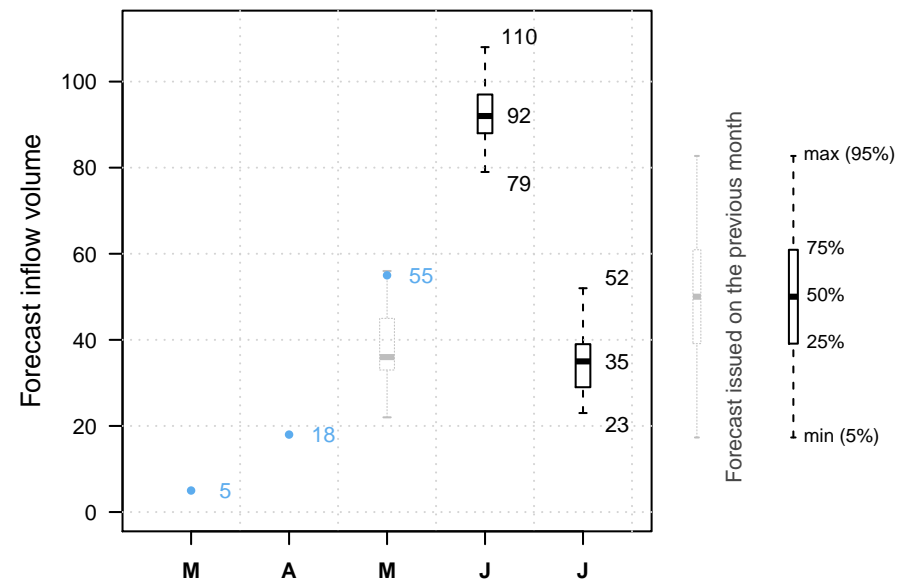
Previous decisions: C B



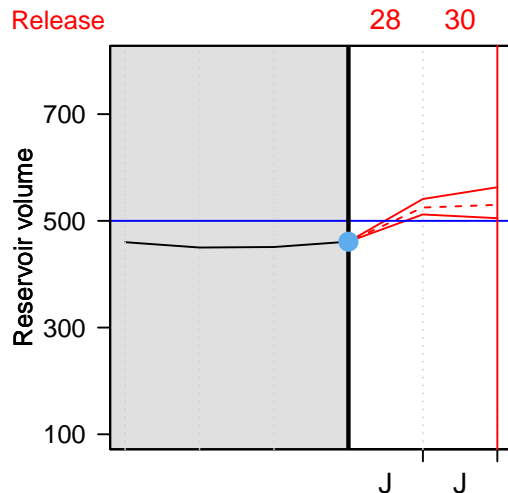
It is June 1st.

And our volunteer?

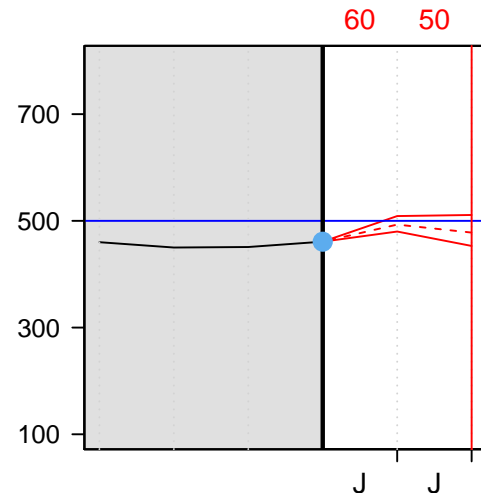
Let's see which release option our volunteer will choose.



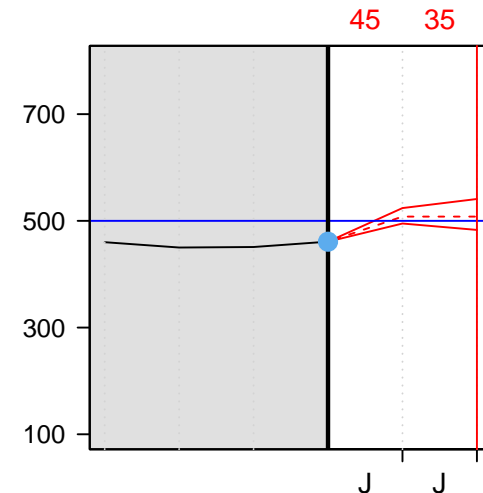
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 521 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

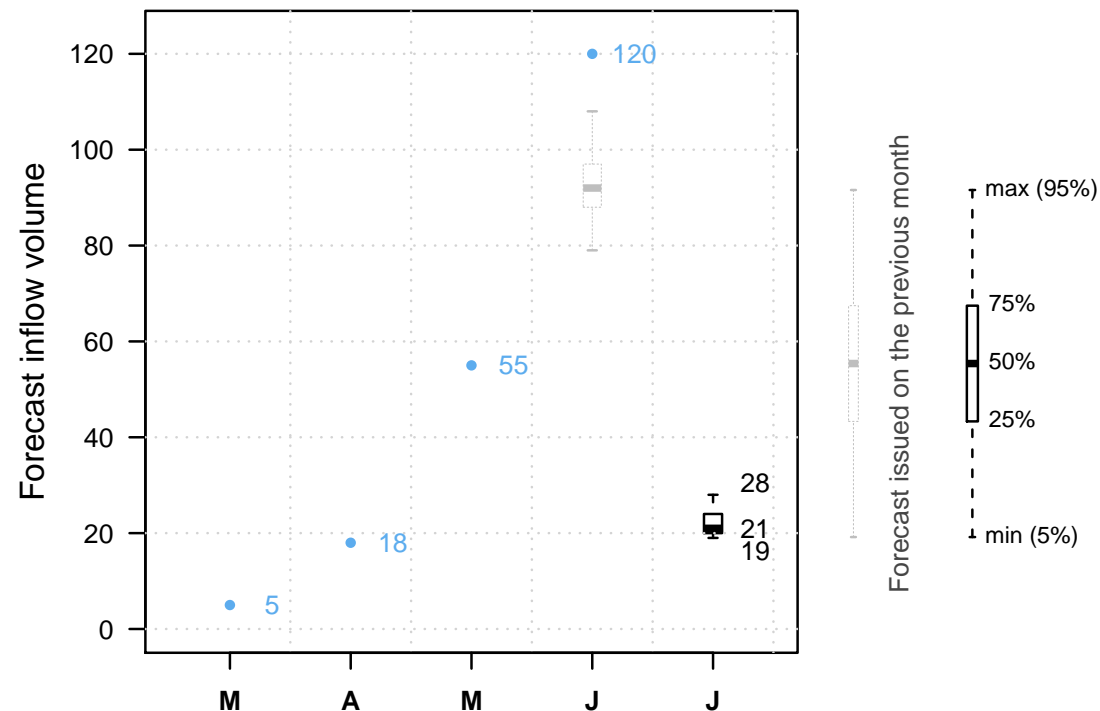


It is July 1st.

The reservoir is at 521  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

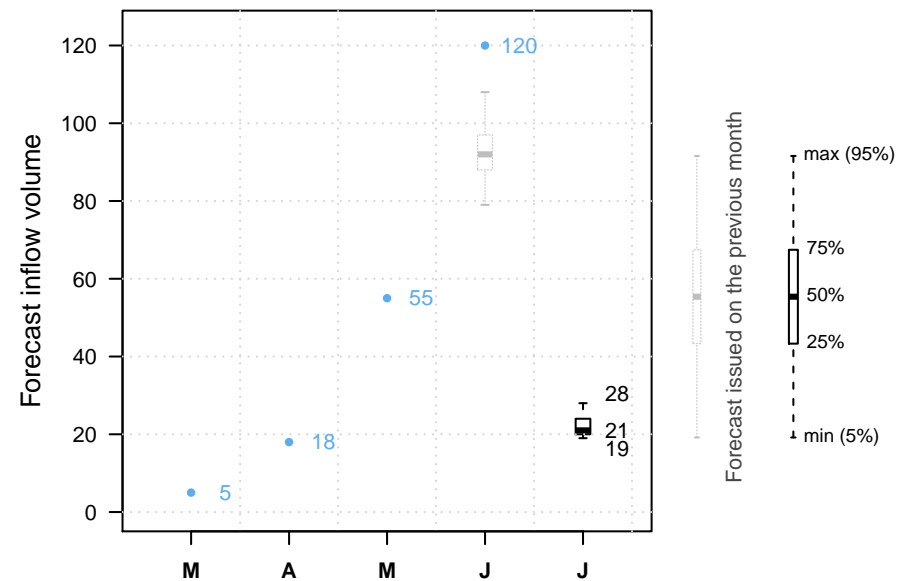
Previous decisions: C B B



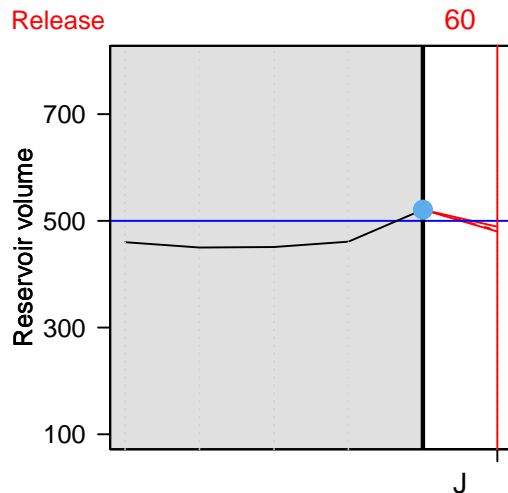
It is July 1st.

And our volunteer?

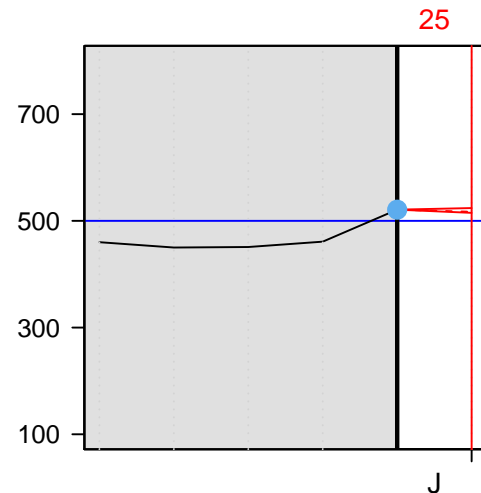
Let's see which release option our volunteer will choose.



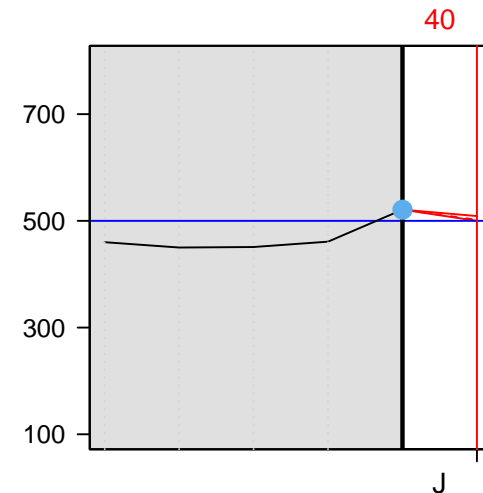
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$521 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 518 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

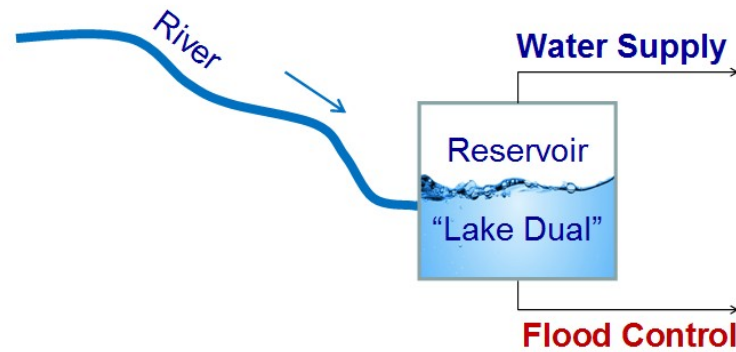
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



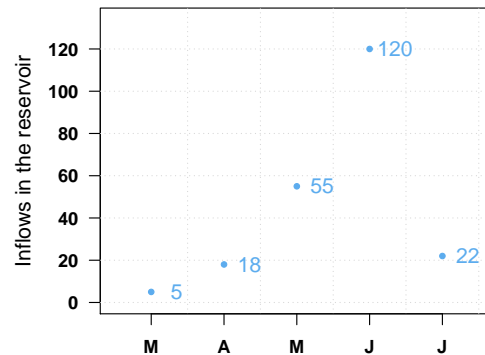
Swof Town



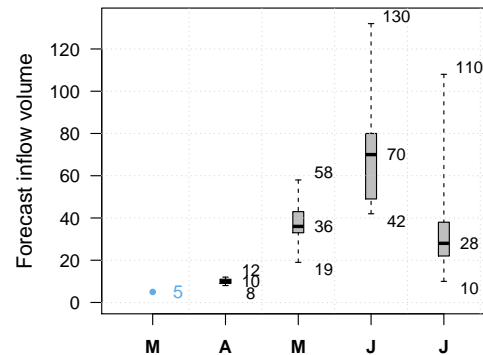
Safe Town



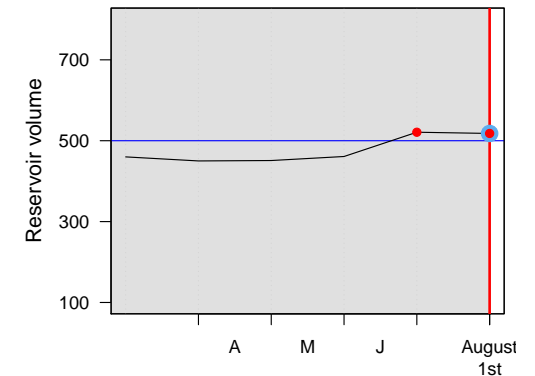
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

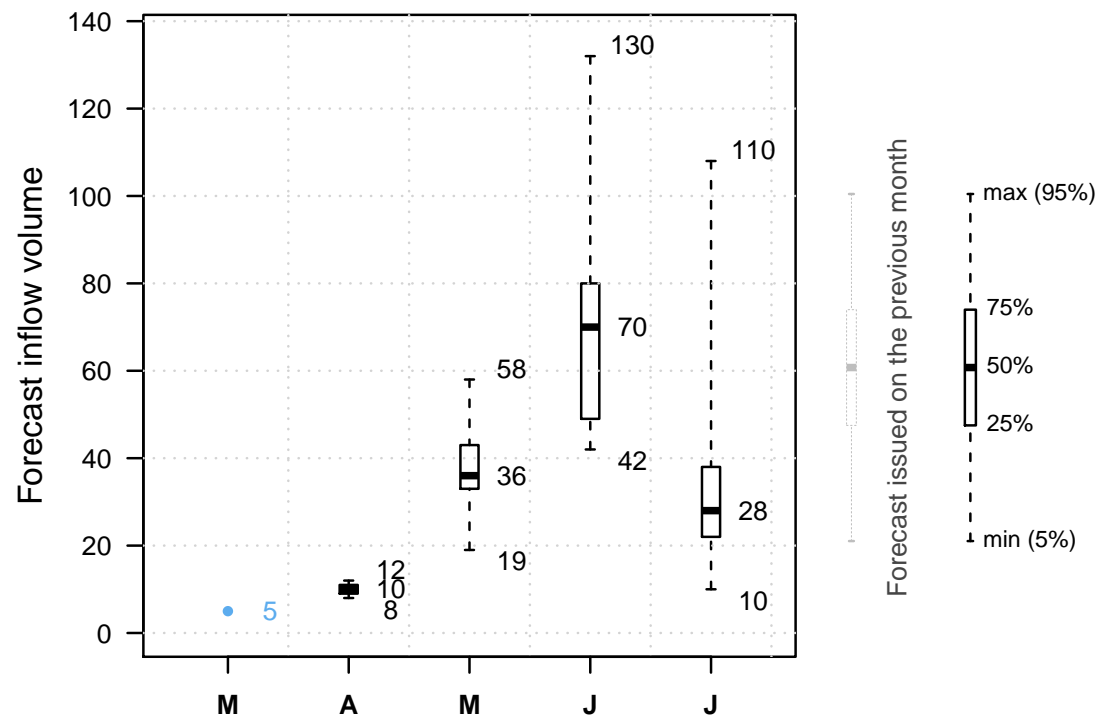


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

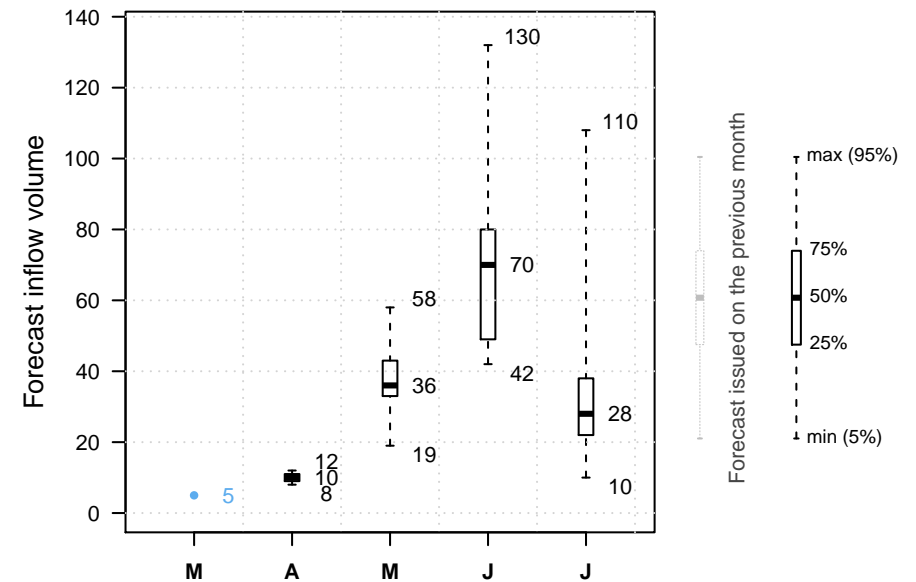
**NEXT**



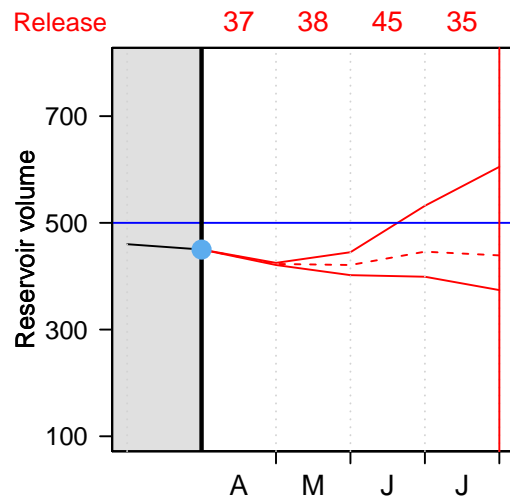
It is April 1st.

And our volunteer?

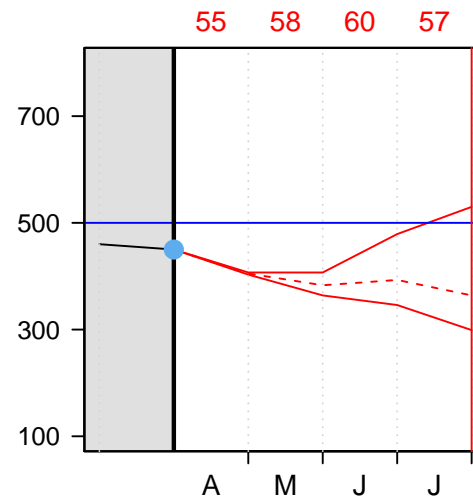
Let's see which release option our volunteer will choose.



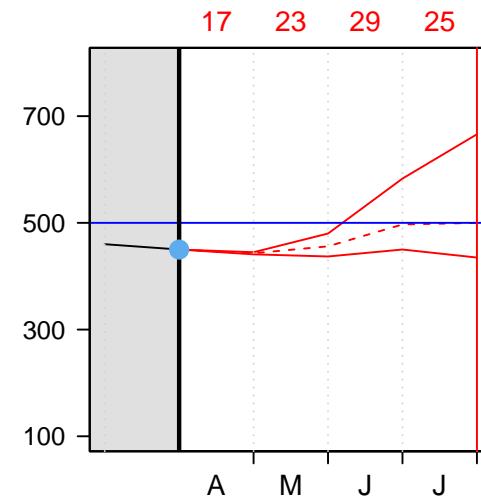
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

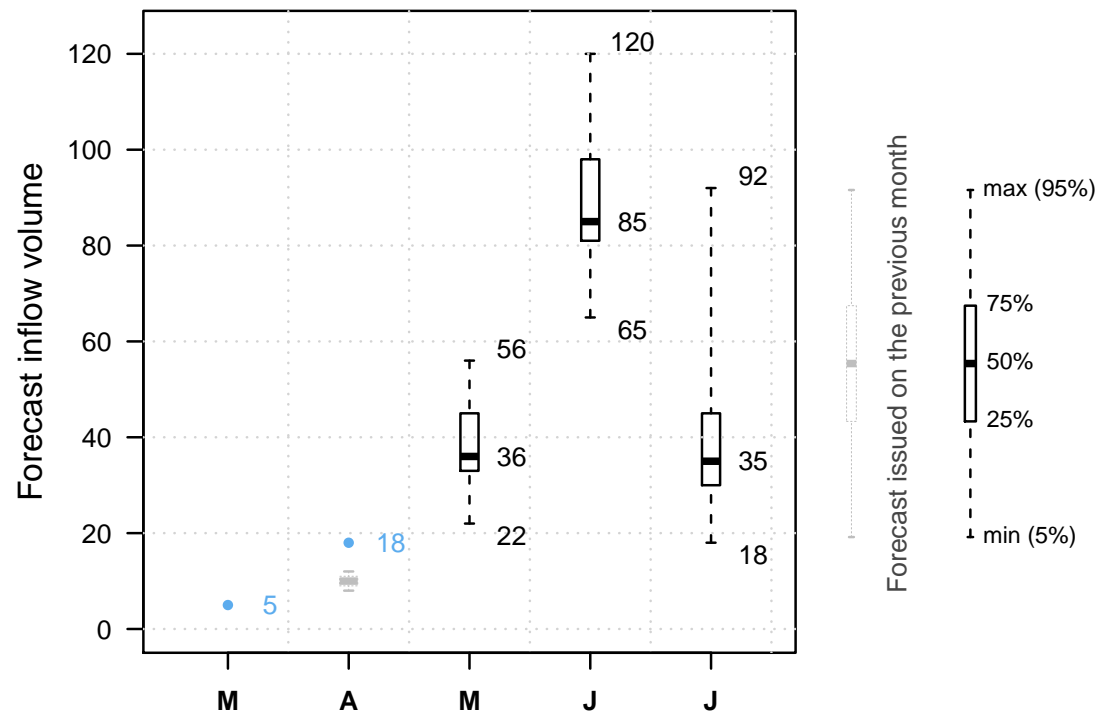


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

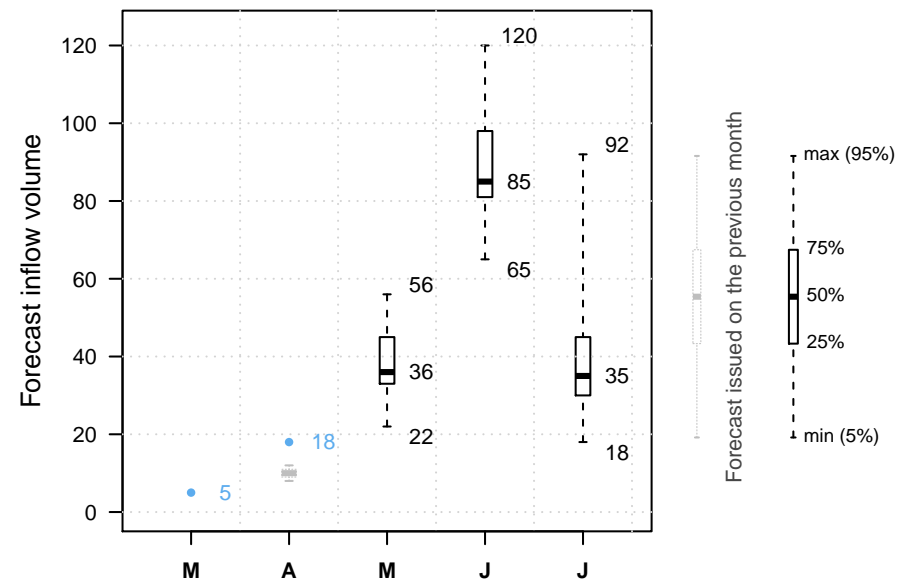
Previous decisions: A



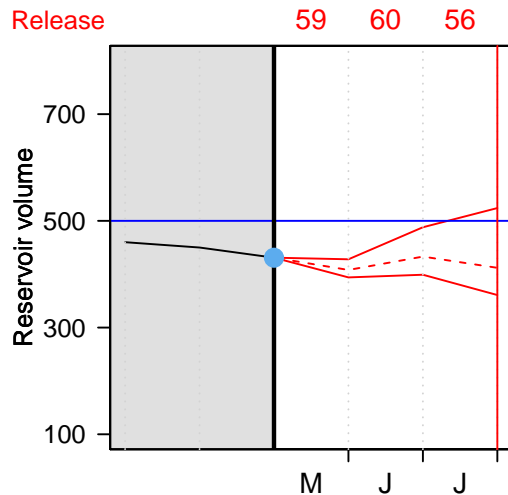
It is May 1st.

And our volunteer?

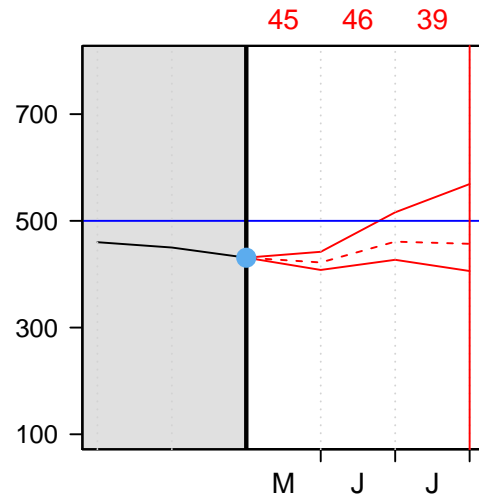
Let's see which release option our volunteer will choose.



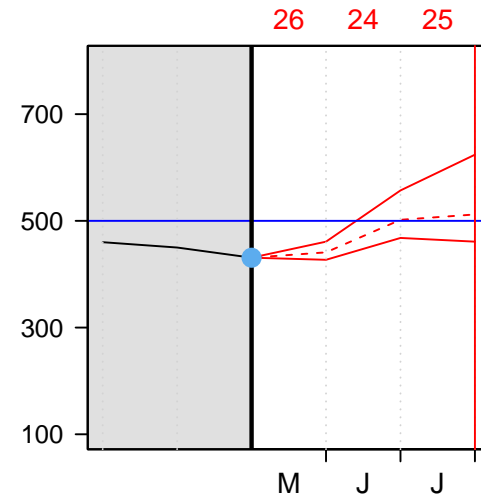
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

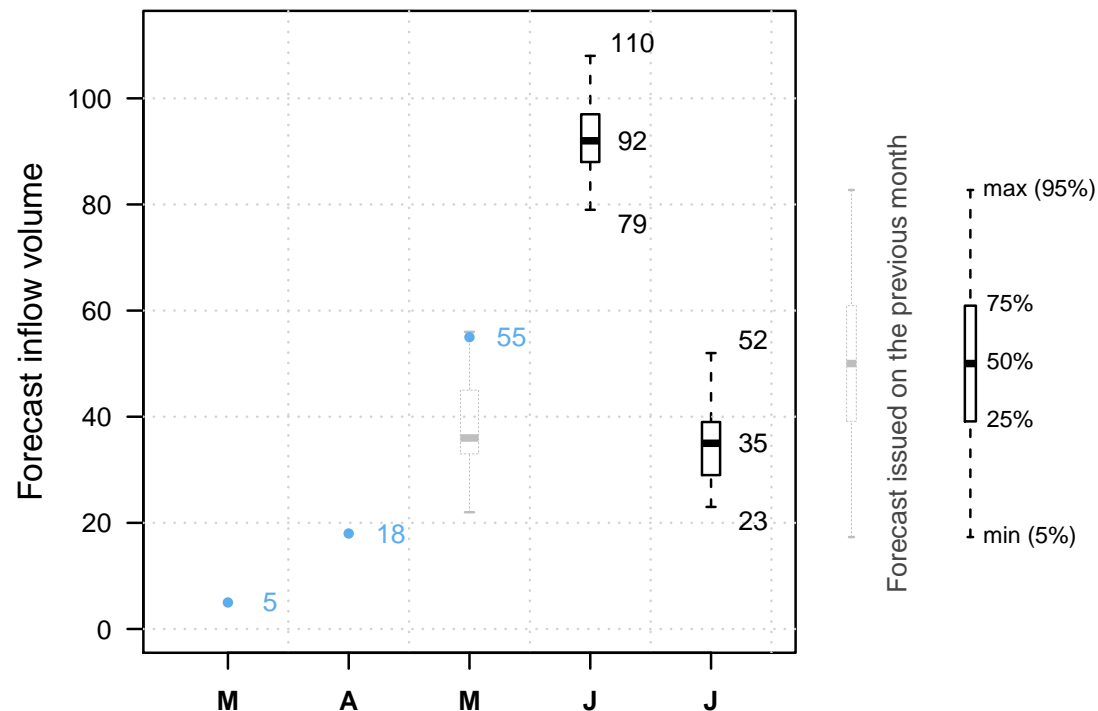


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

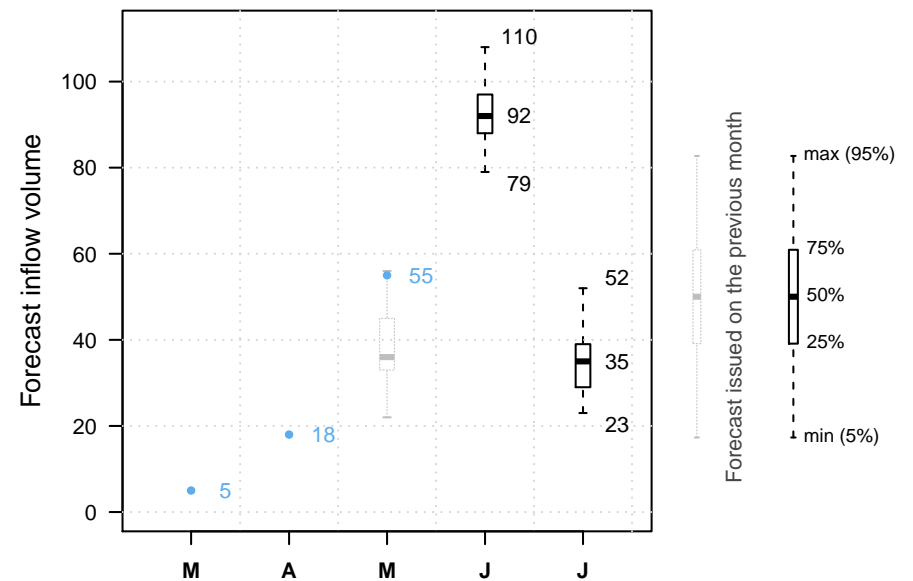
Previous decisions: A C



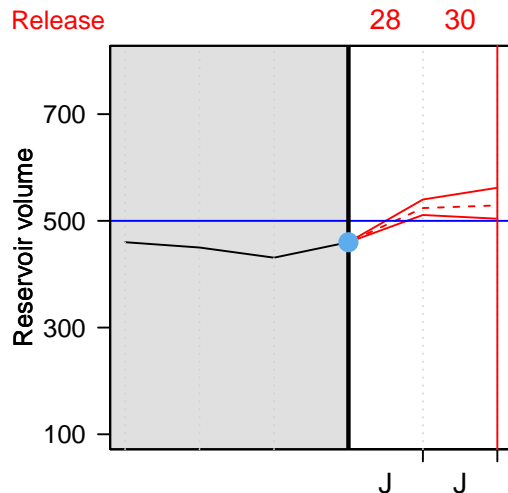
It is June 1st.

And our volunteer?

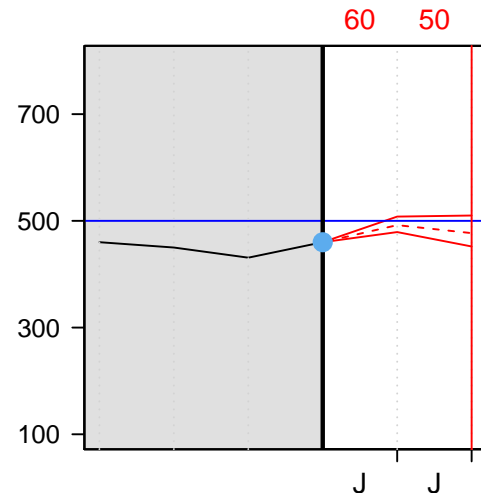
Let's see which release option our volunteer will choose.



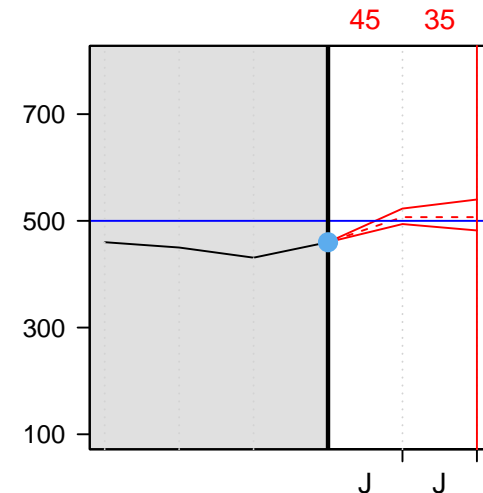
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 520 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

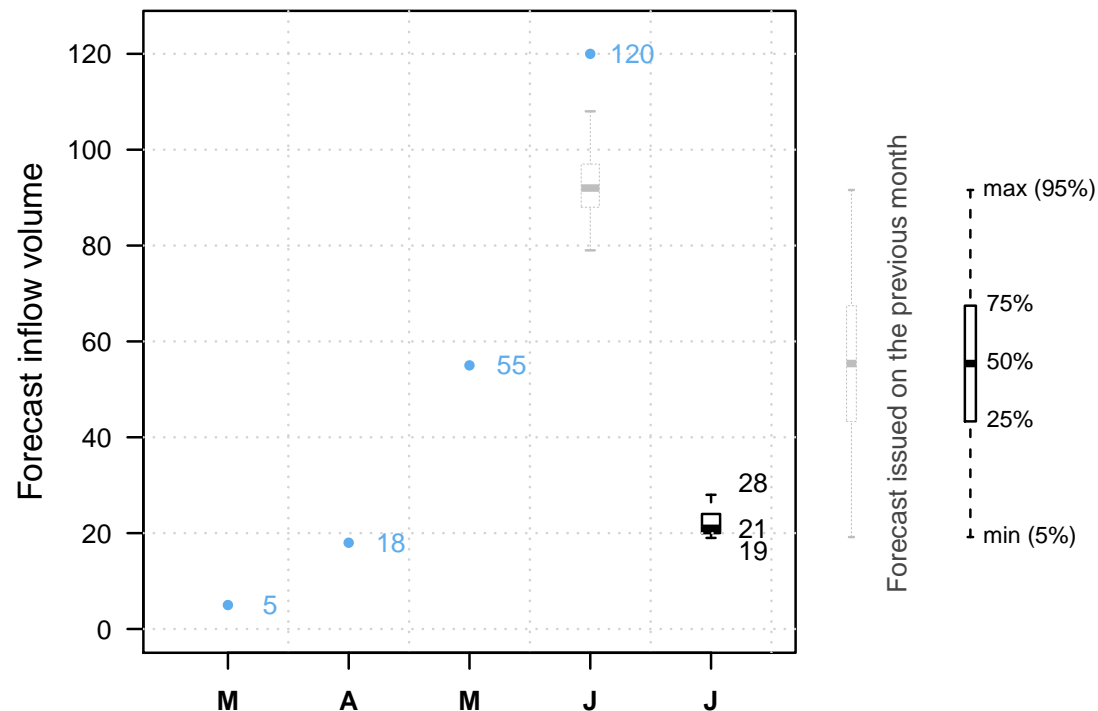


It is July 1st.

The reservoir is at  $520 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

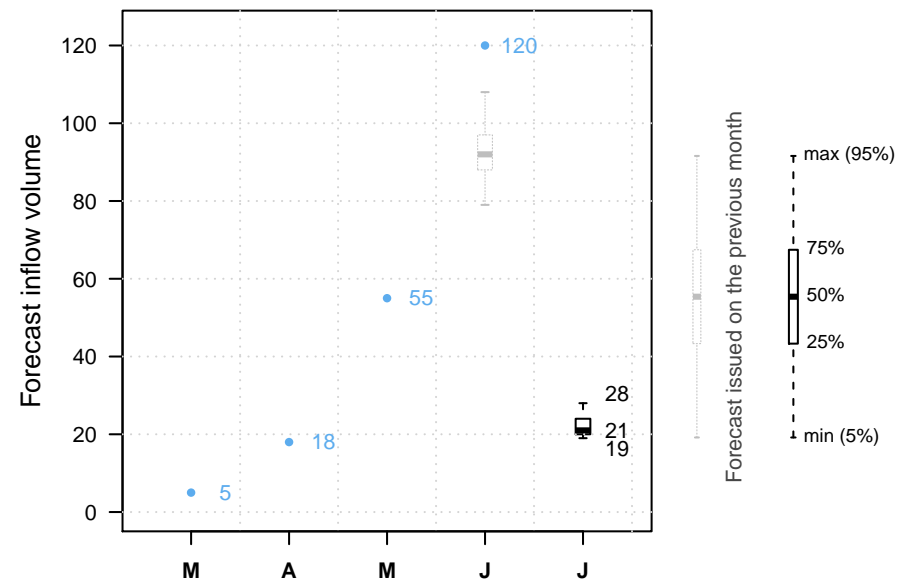
Previous decisions: A C B



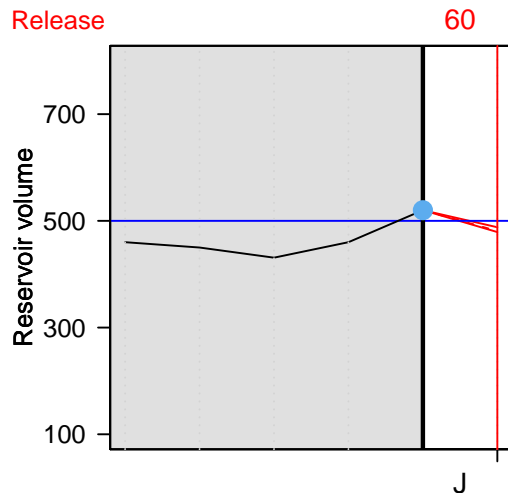
It is July 1st.

And our volunteer?

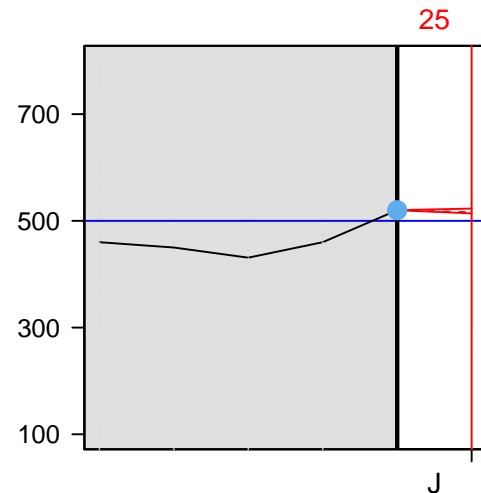
Let's see which release option our volunteer will choose.



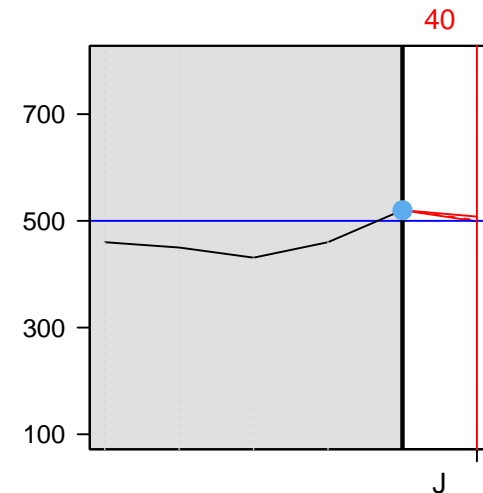
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$520 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

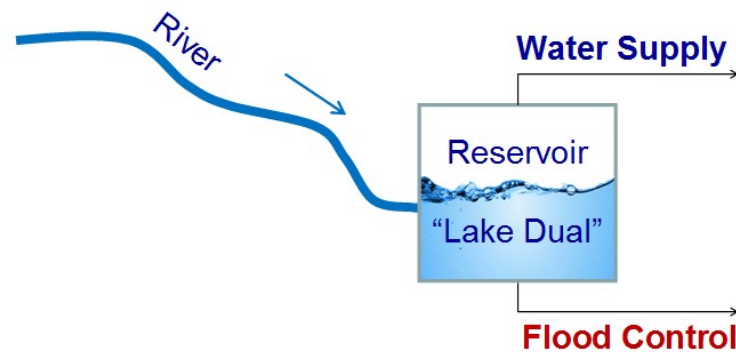
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



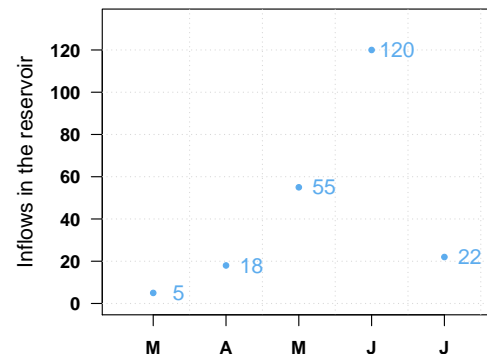
Swof Town



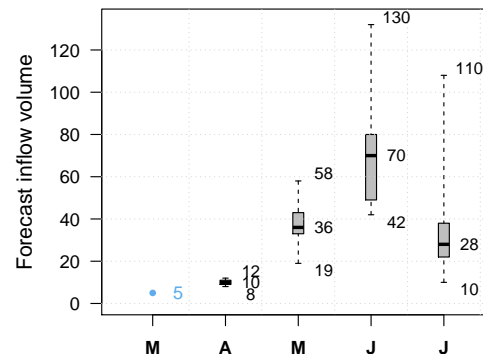
Safe Town



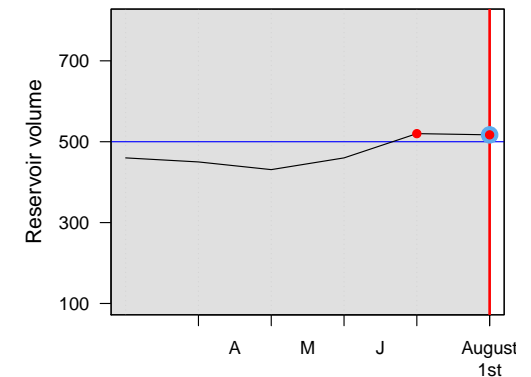
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

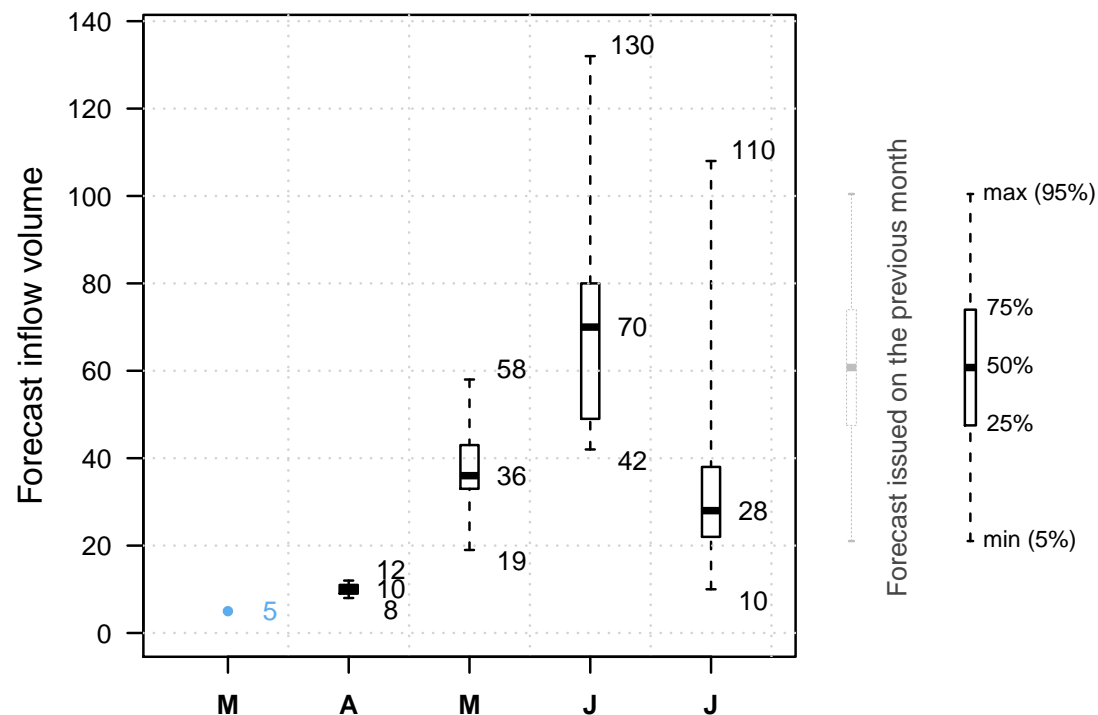


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

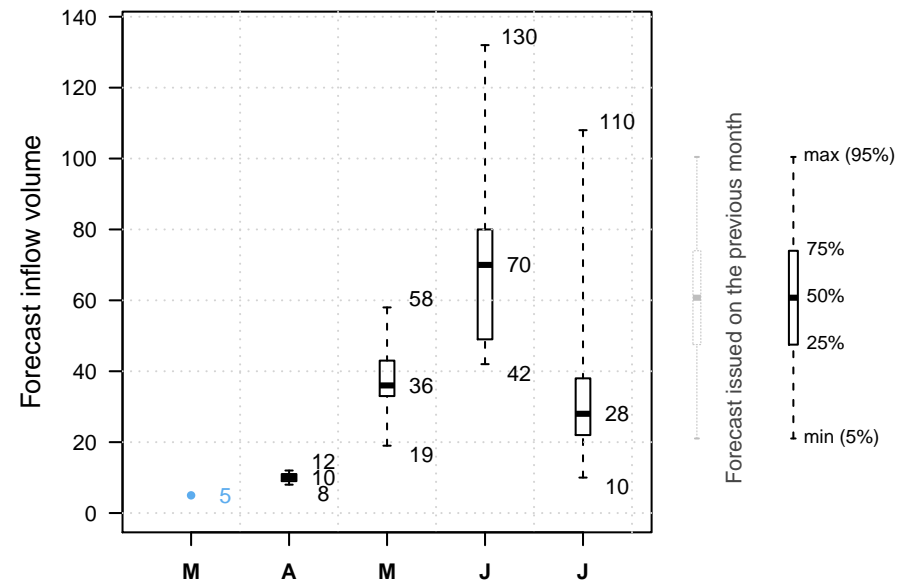




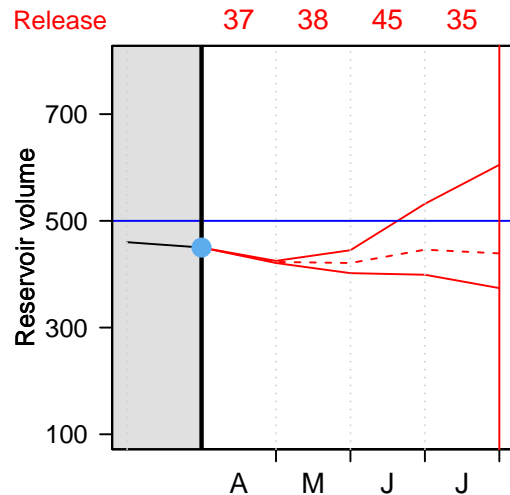
It is April 1st.

And our volunteer?

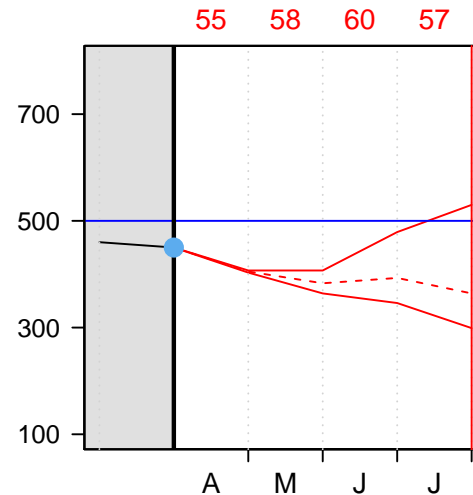
Let's see which release option our volunteer will choose.



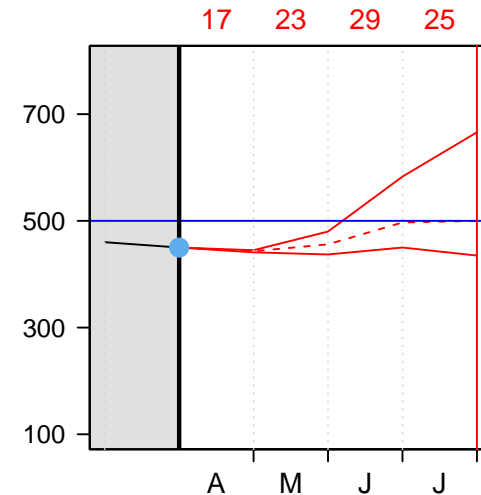
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

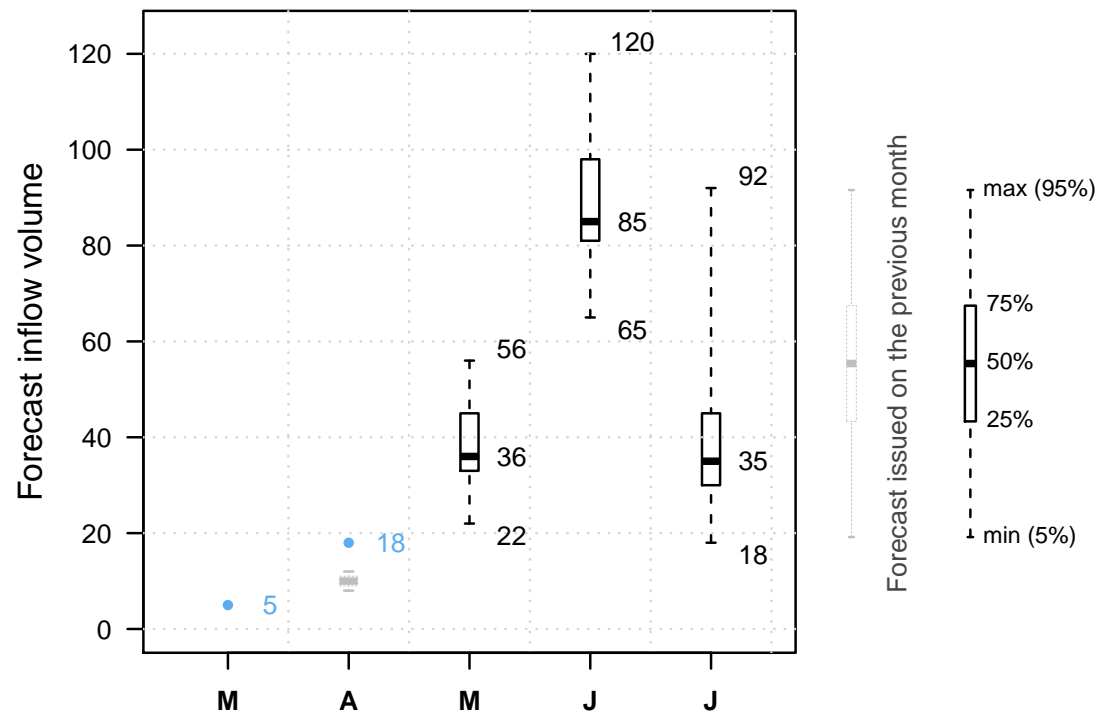


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

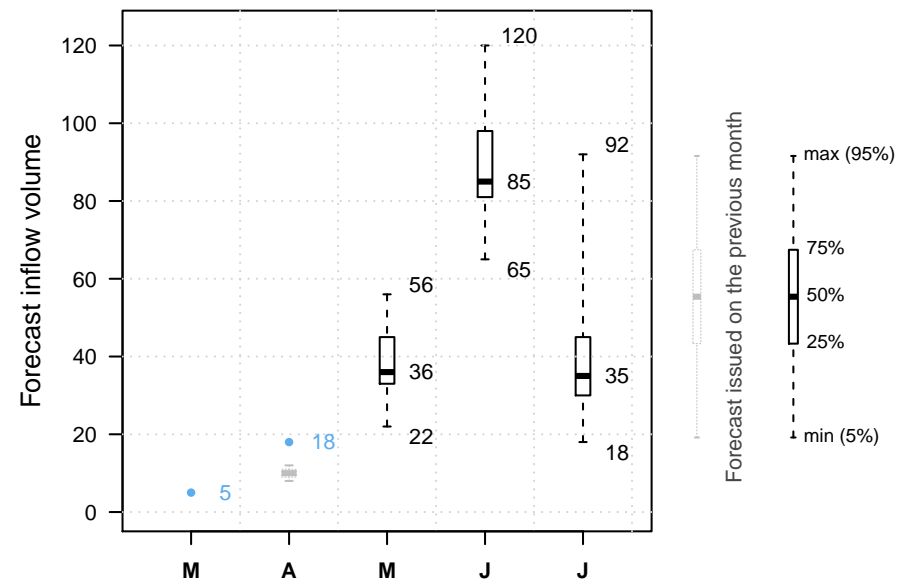
Previous decisions: B



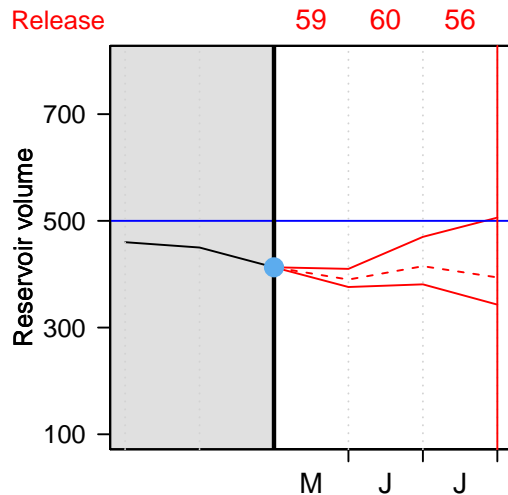
It is May 1st.

And our volunteer?

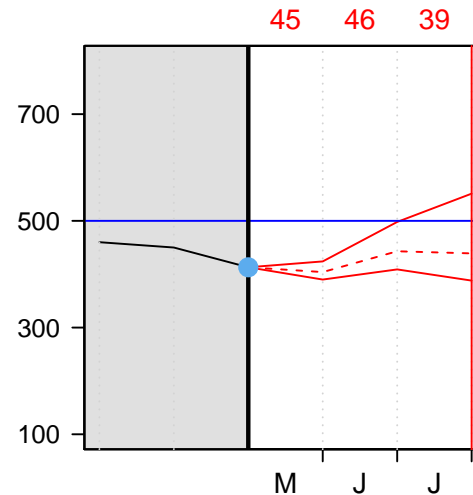
Let's see which release option our volunteer will choose.



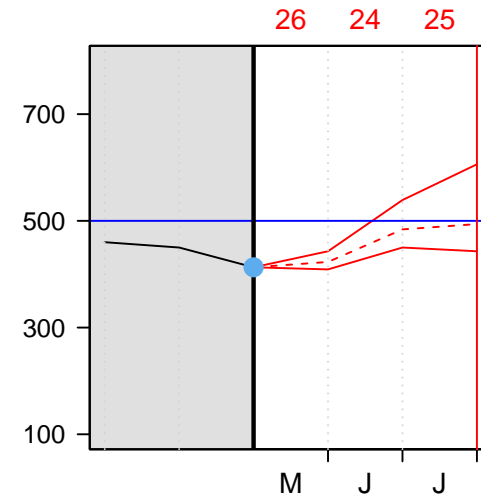
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

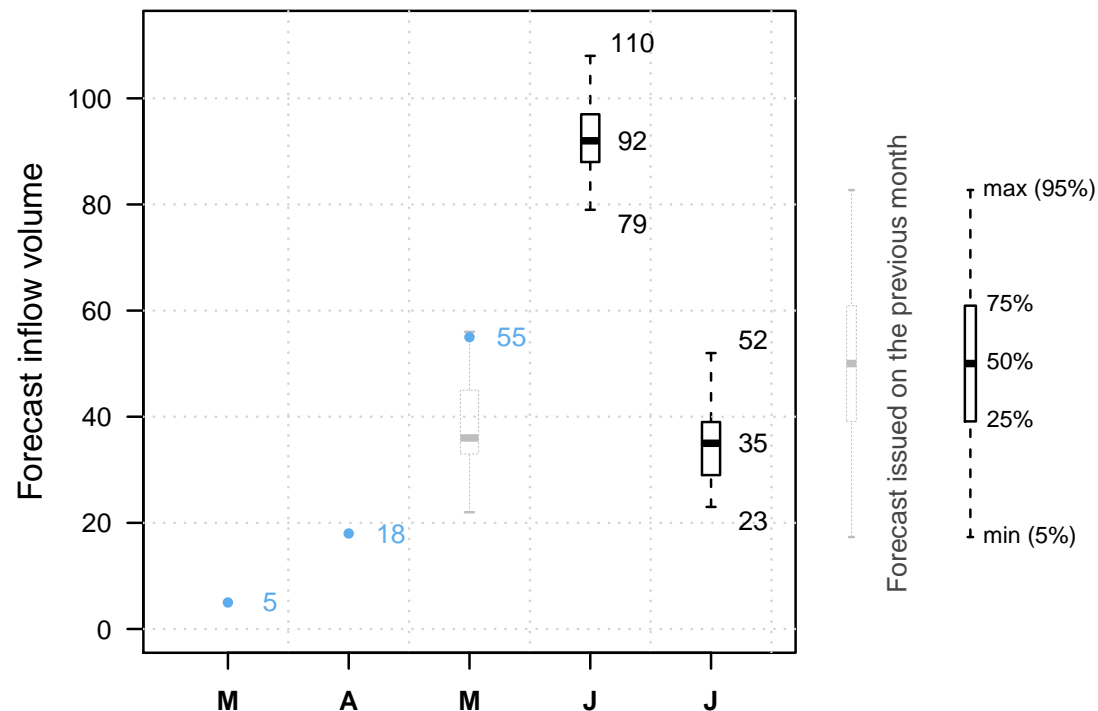


It is June 1st.

The reservoir is at 442  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



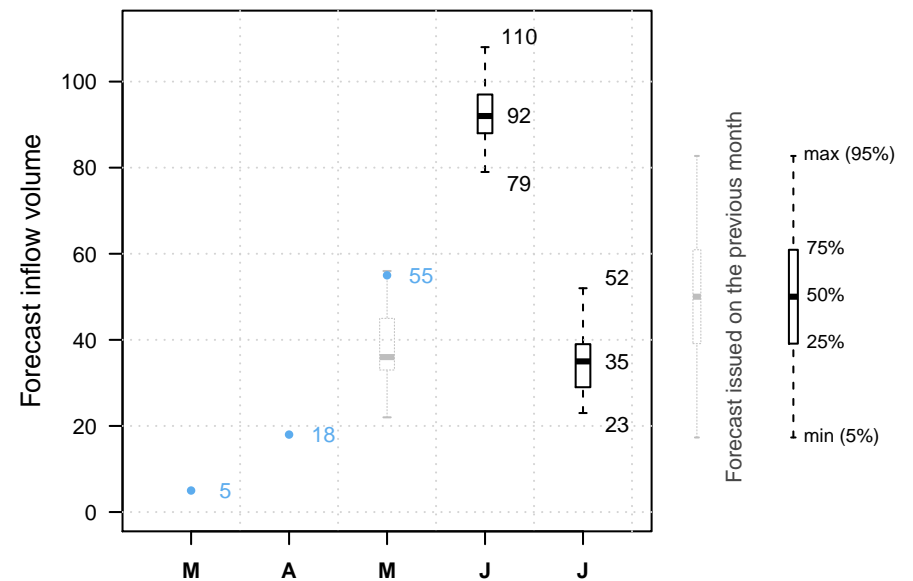
Previous decisions: B C



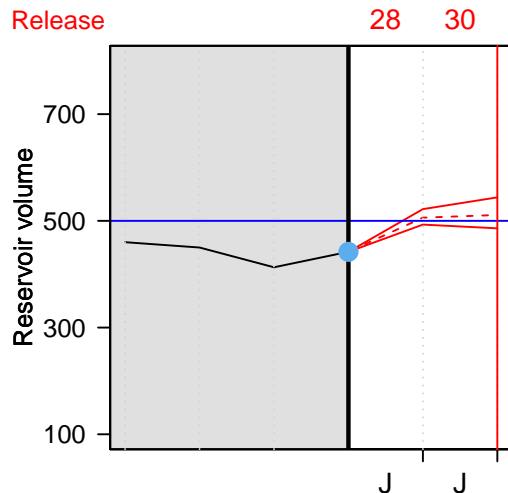
It is June 1st.

And our volunteer?

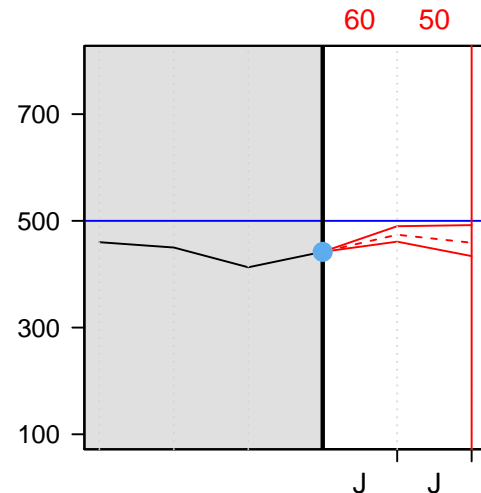
Let's see which release option our volunteer will choose.



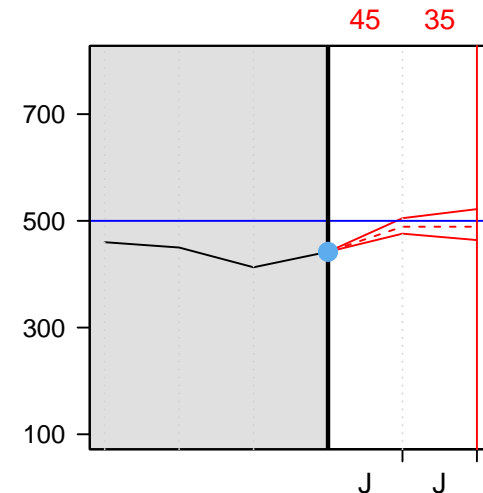
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

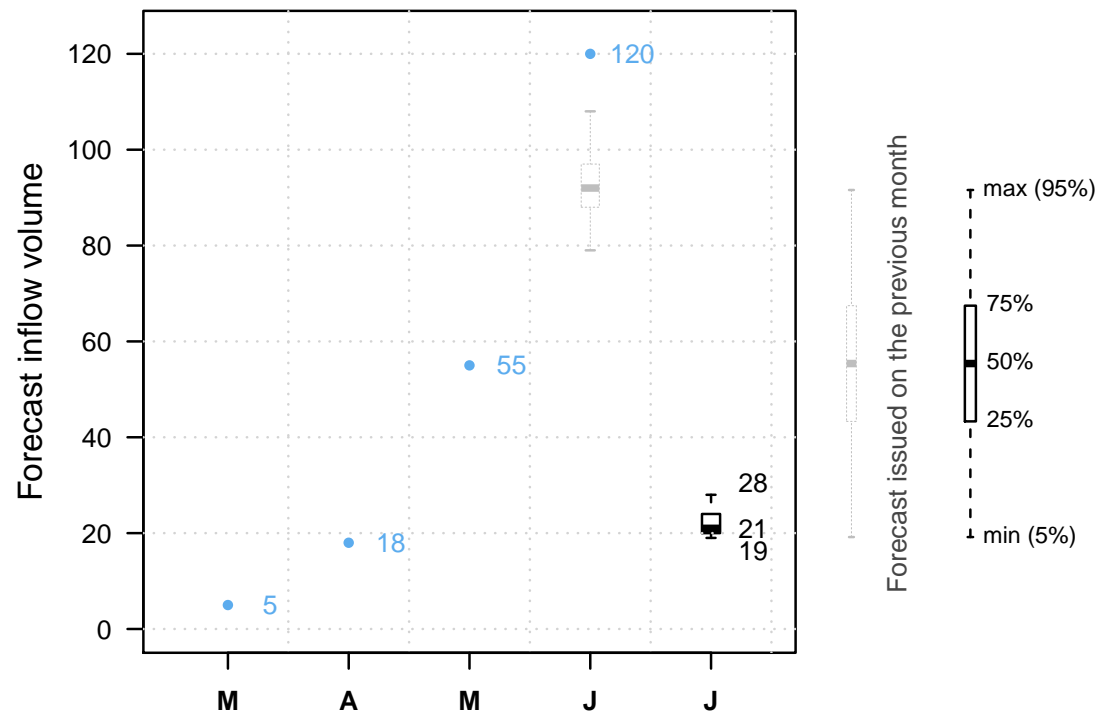


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

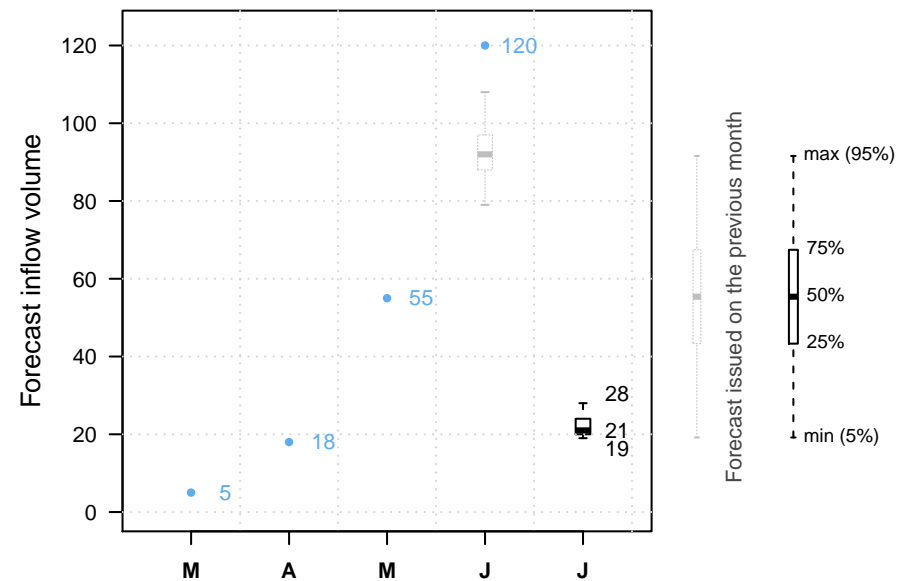
Previous decisions: B C B



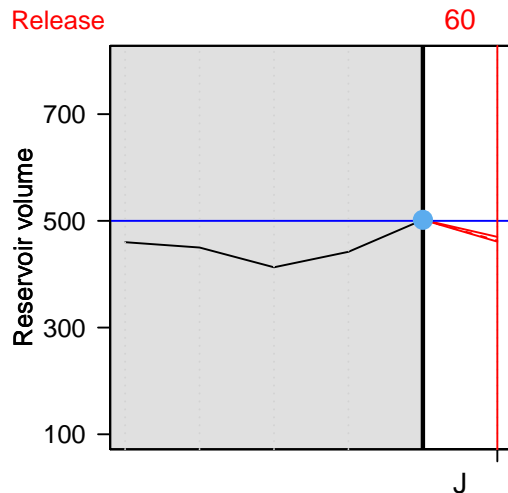
It is July 1st.

And our volunteer?

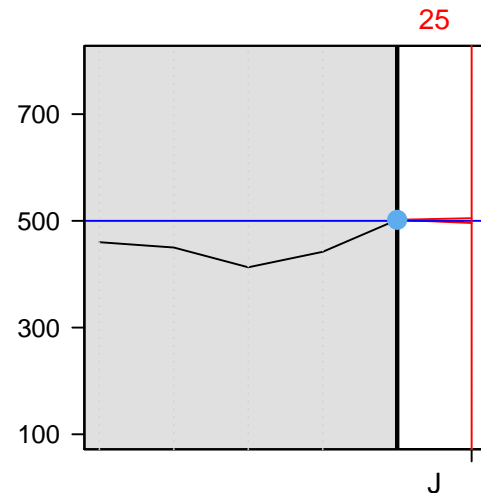
Let's see which release option our volunteer will choose.



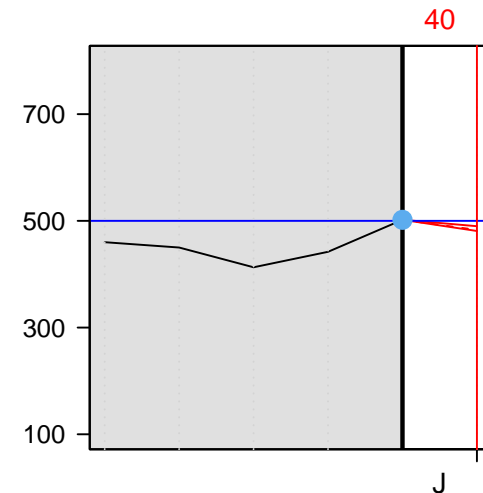
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 499 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

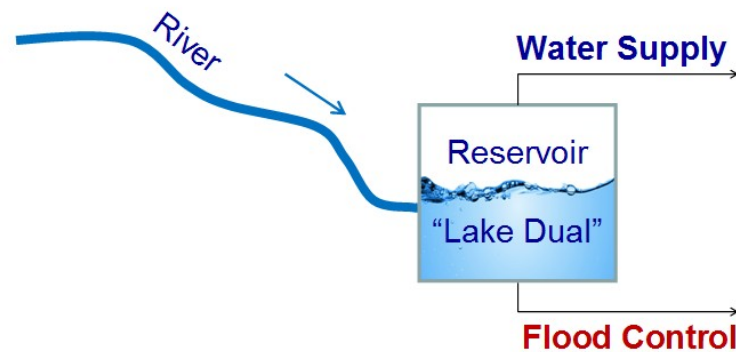
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



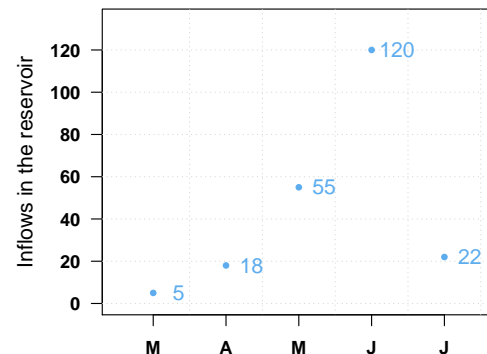
Swof Town



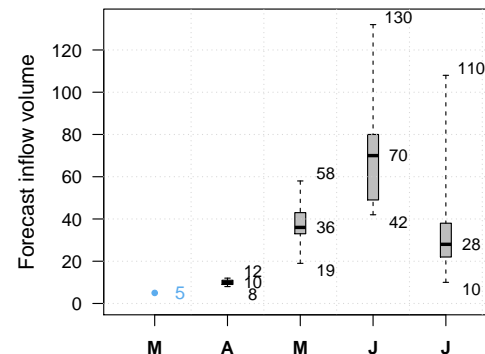
Safe Town



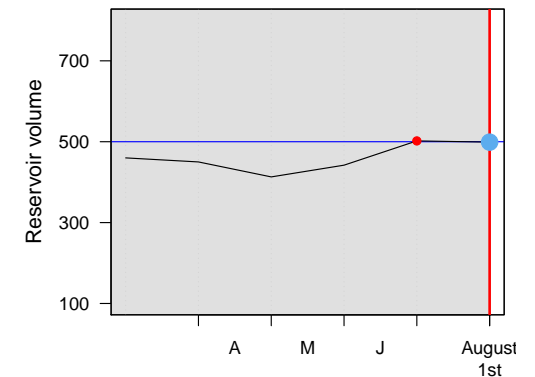
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



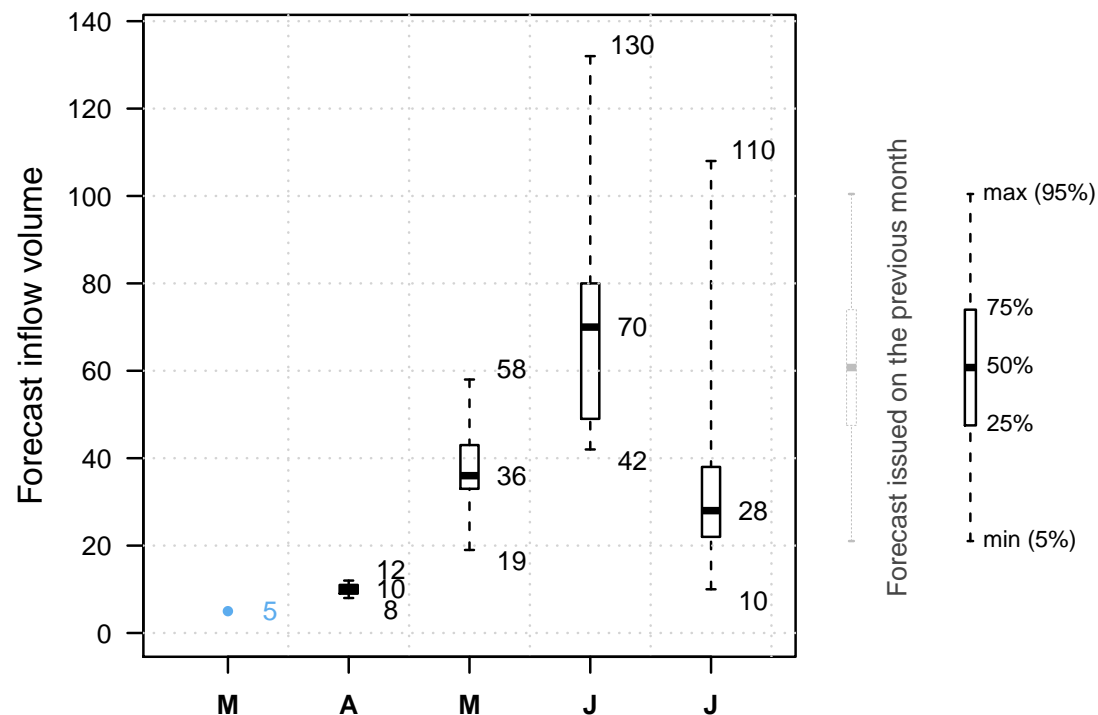


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

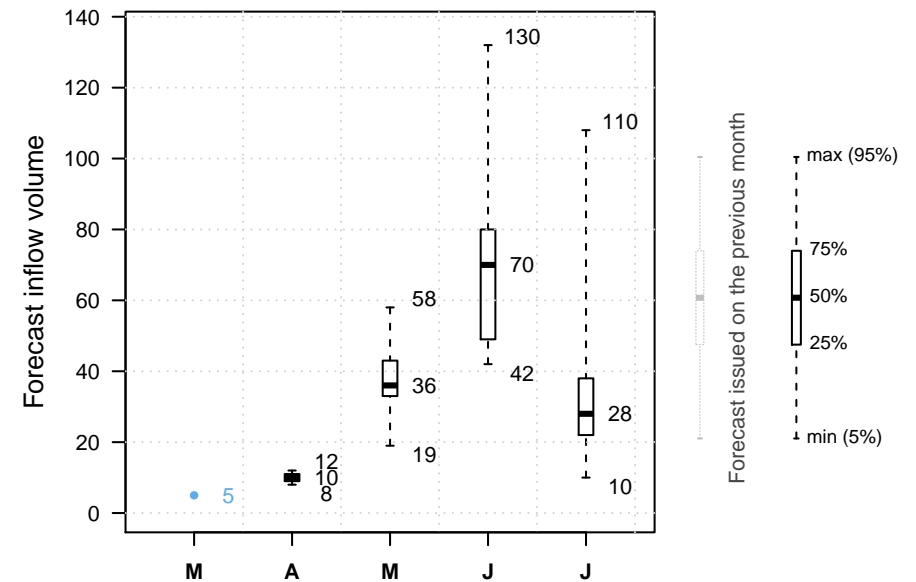
**NEXT**



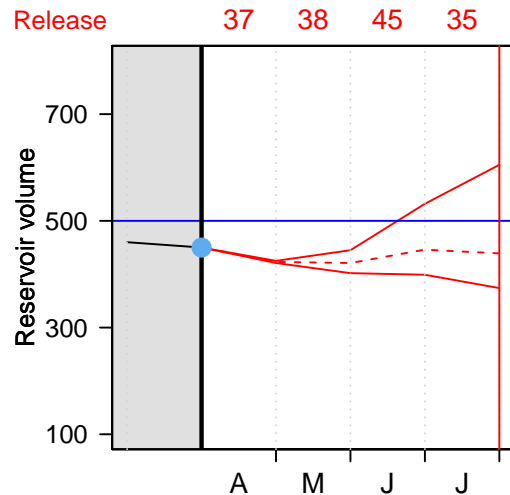
It is April 1st.

And our volunteer?

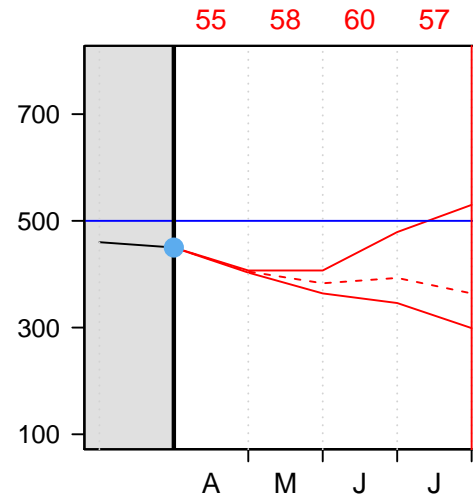
Let's see which release option our volunteer will choose.



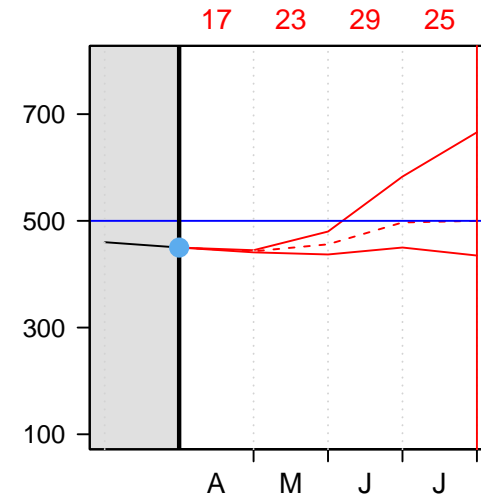
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

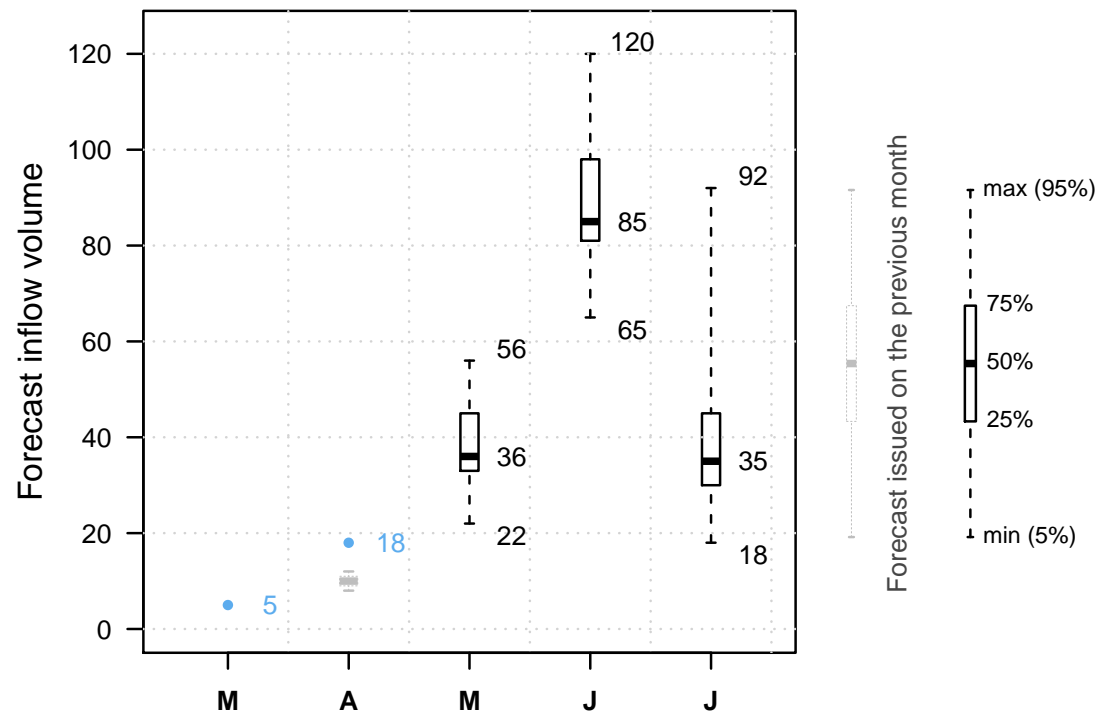


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

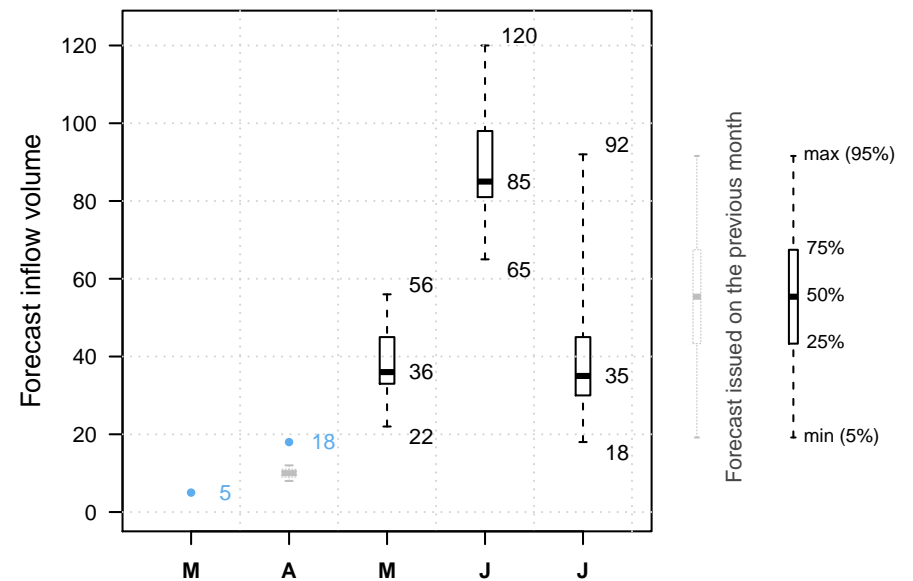
Previous decisions: C



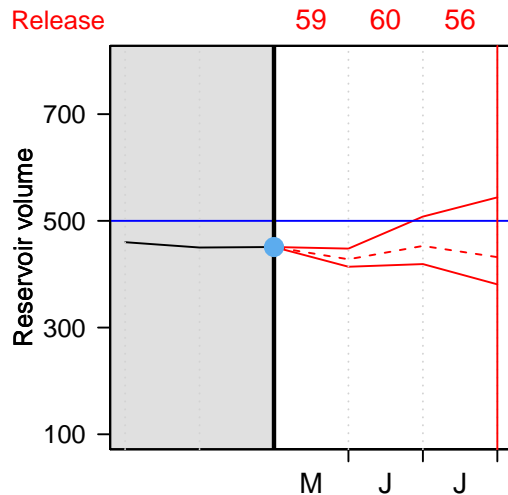
It is May 1st.

And our volunteer?

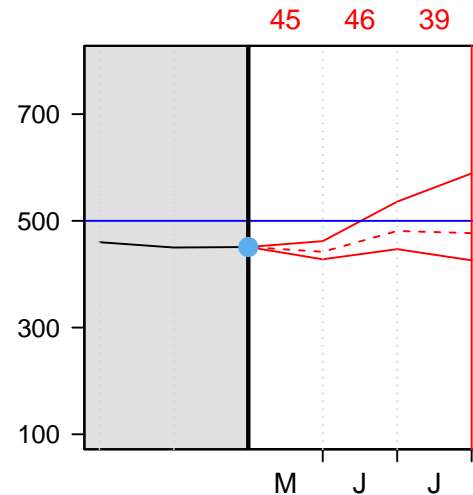
Let's see which release option our volunteer will choose.



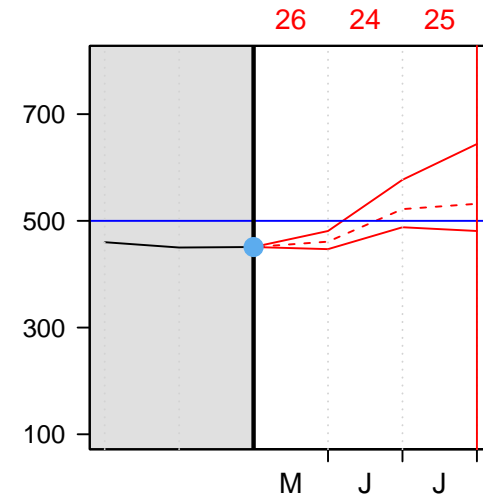
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



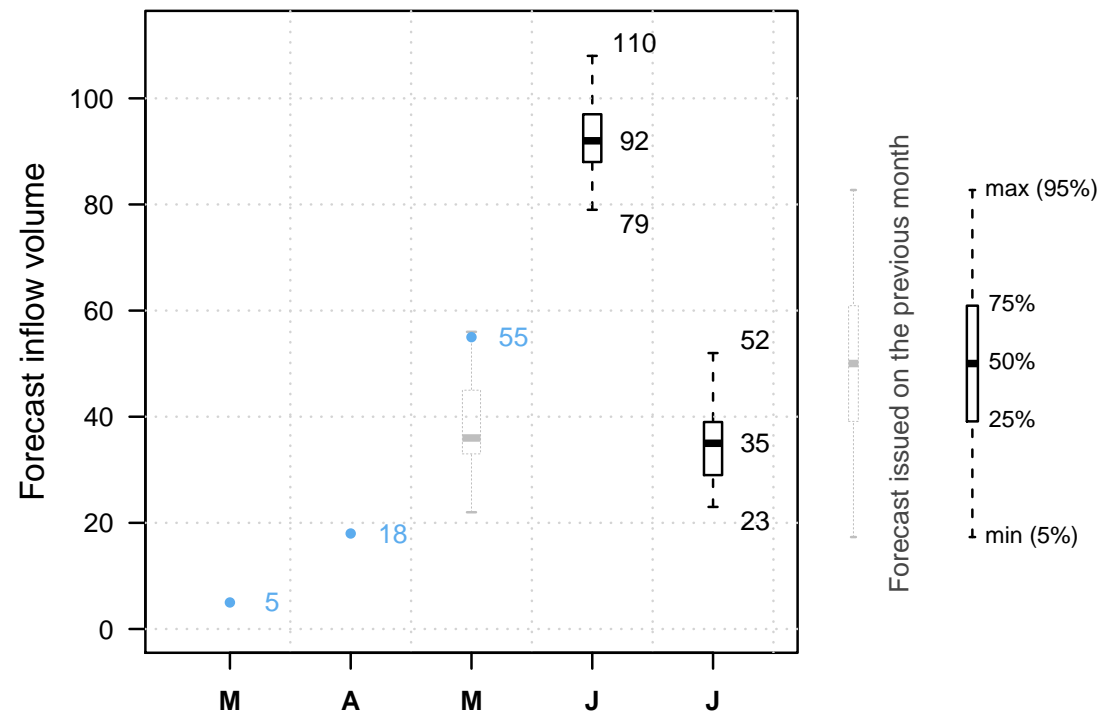


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

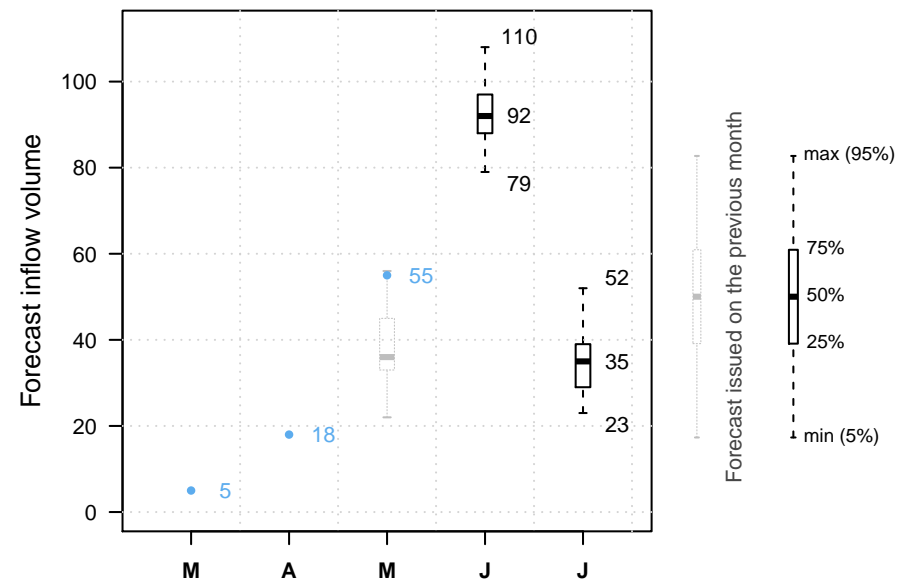
Previous decisions: C C



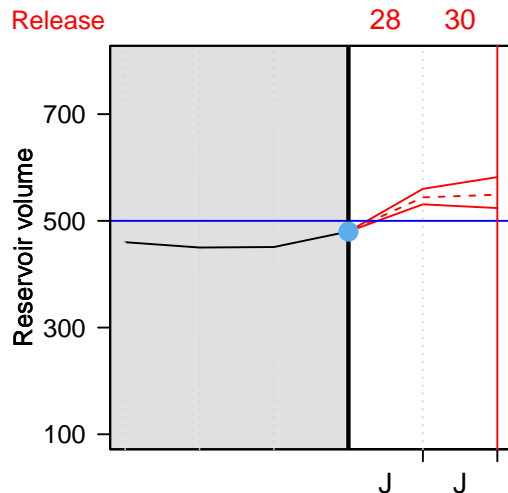
It is June 1st.

And our volunteer?

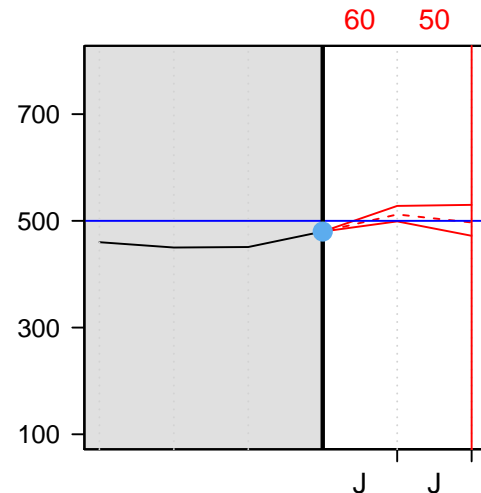
Let's see which release option our volunteer will choose.



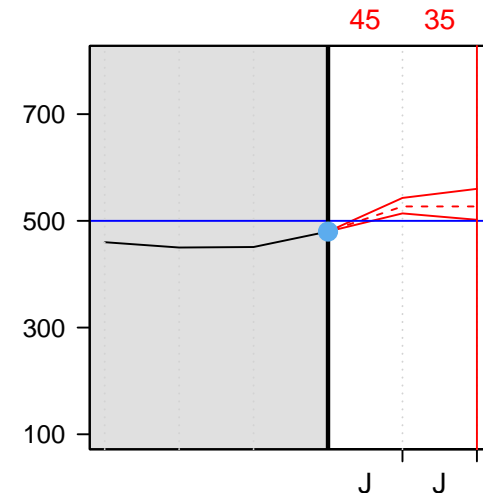
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 540 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

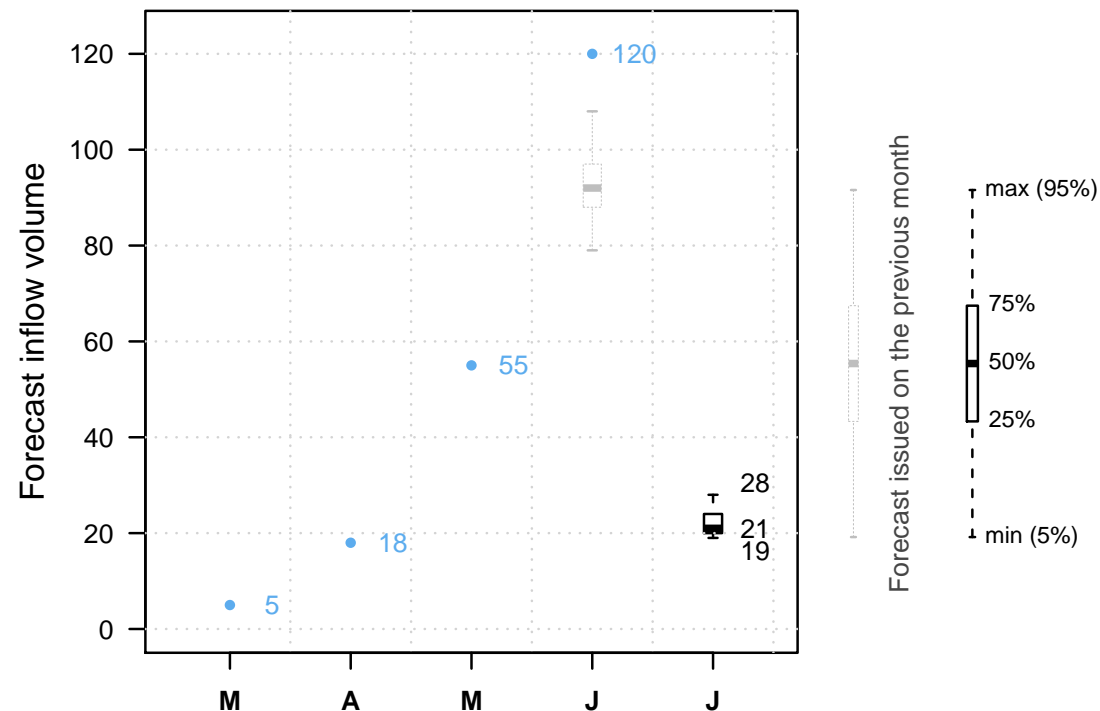


It is July 1st.

The reservoir is at  $540 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

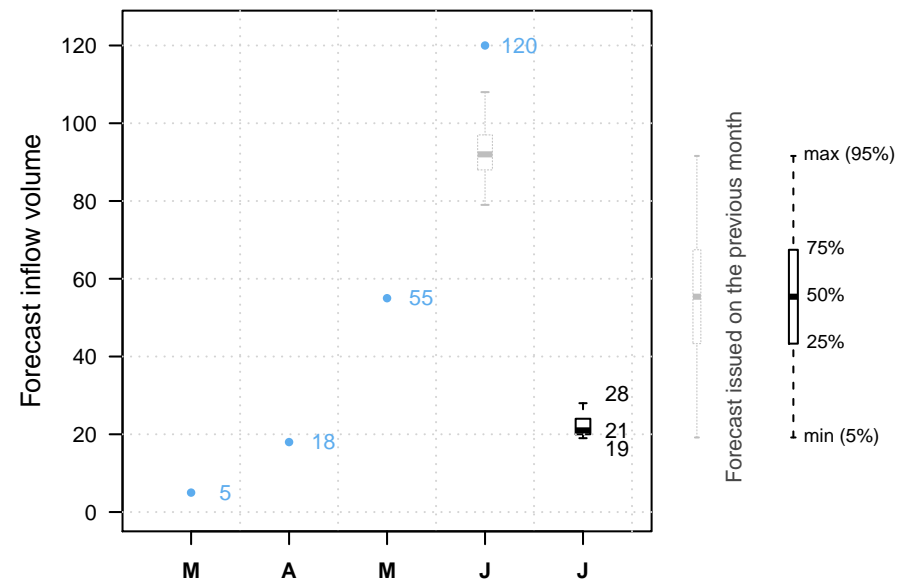
Previous decisions: C C B



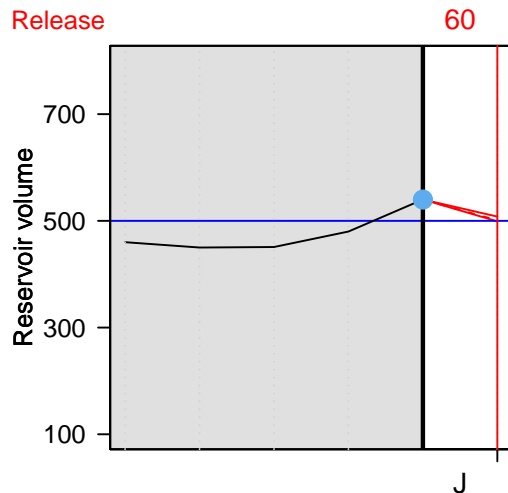
It is July 1st.

And our volunteer?

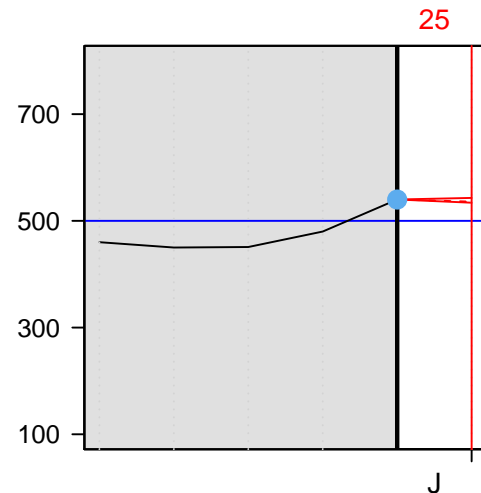
Let's see which release option our volunteer will choose.



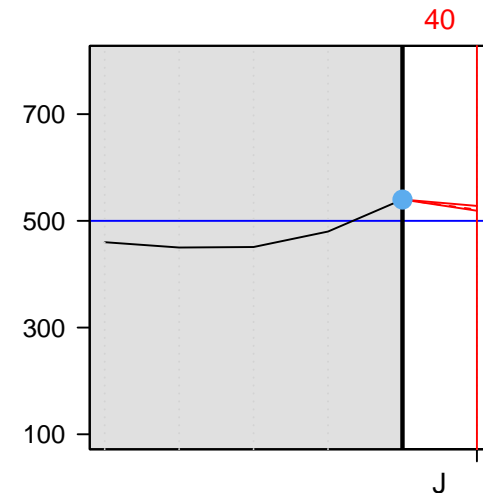
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$540 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 537 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

NEXT

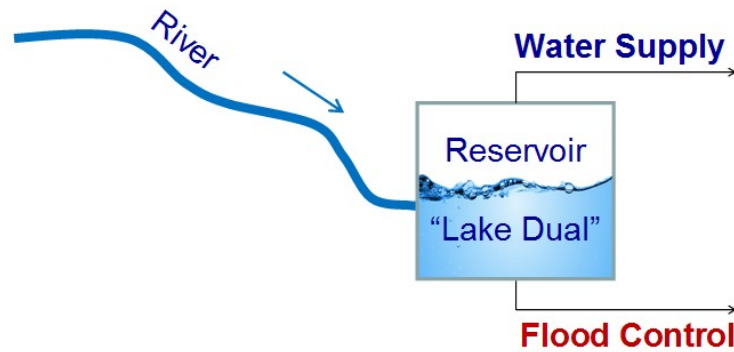
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



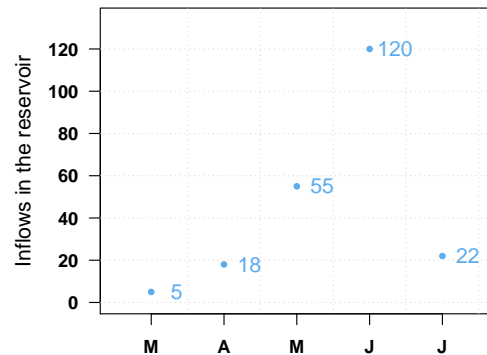
Swof Town



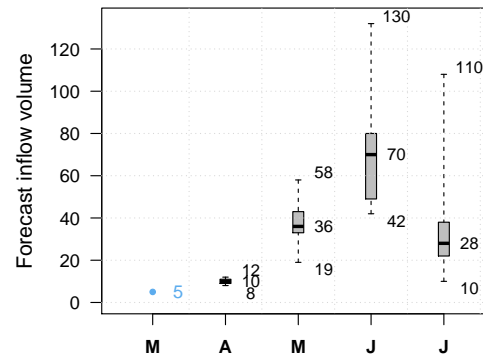
Safe Town



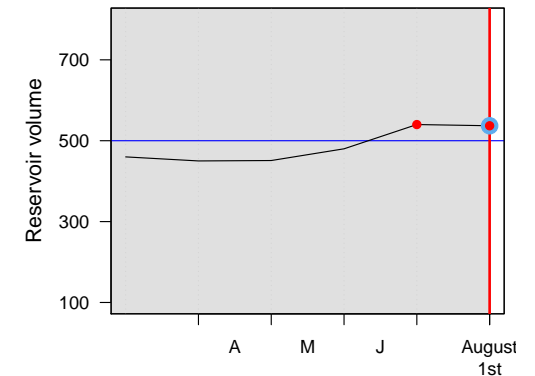
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

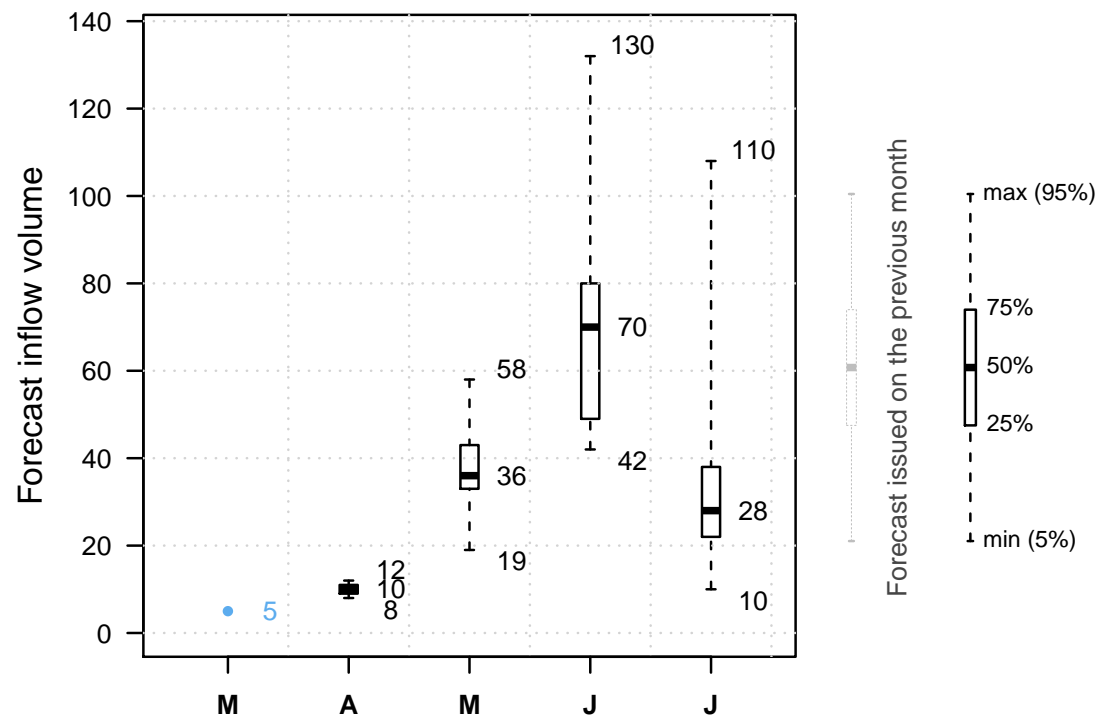


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

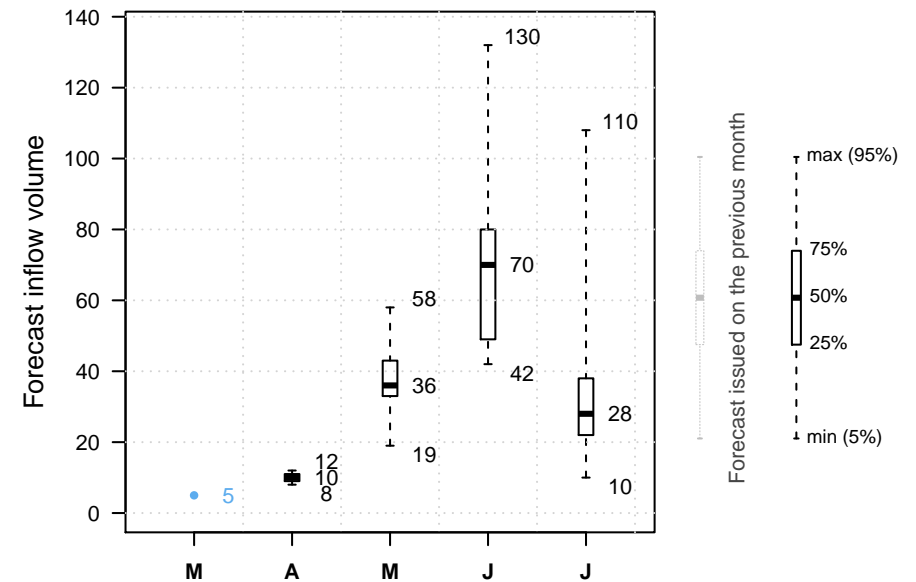
**NEXT**



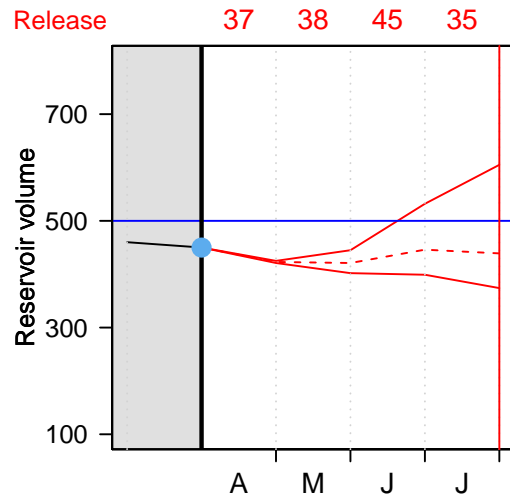
It is April 1st.

And our volunteer?

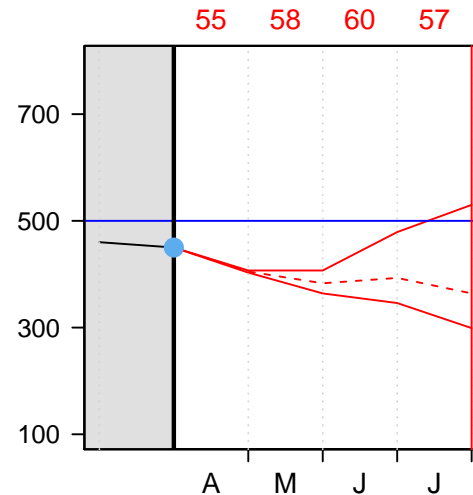
Let's see which release option our volunteer will choose.



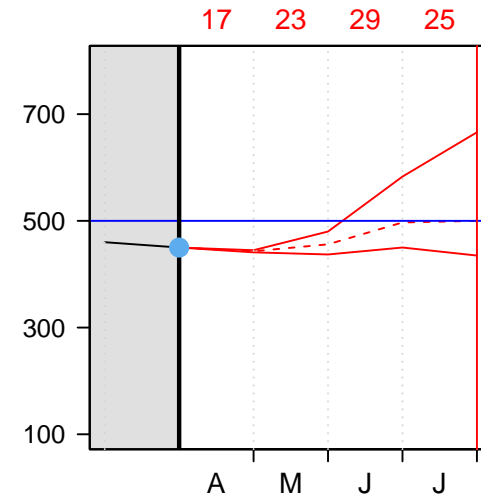
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

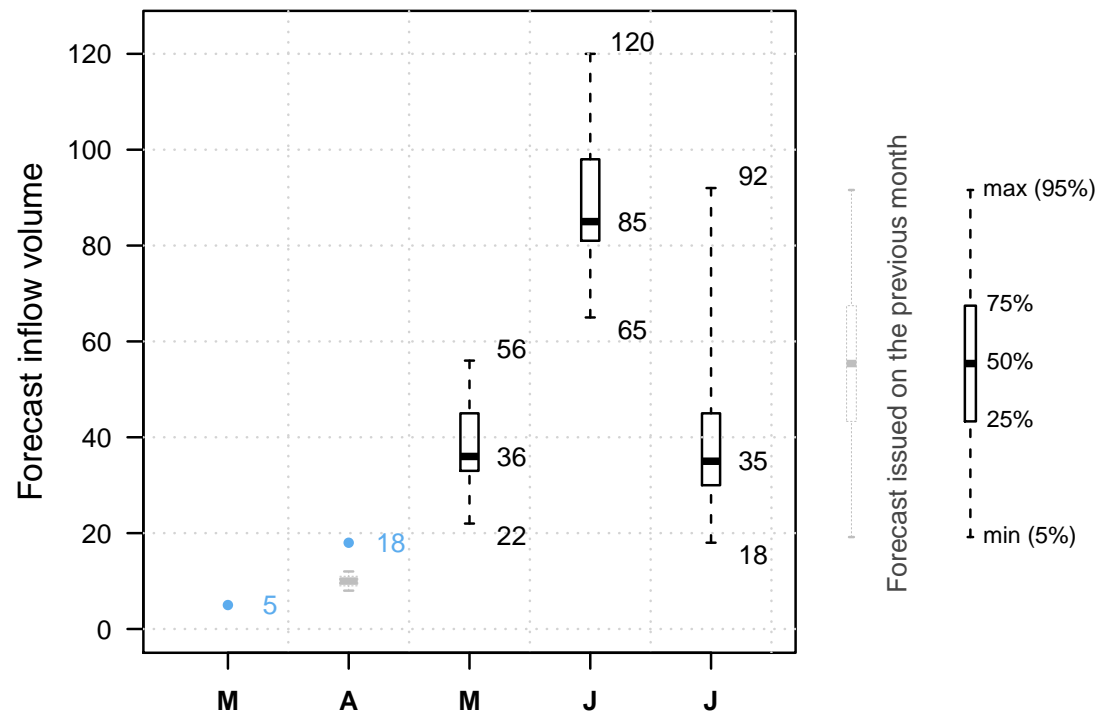


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

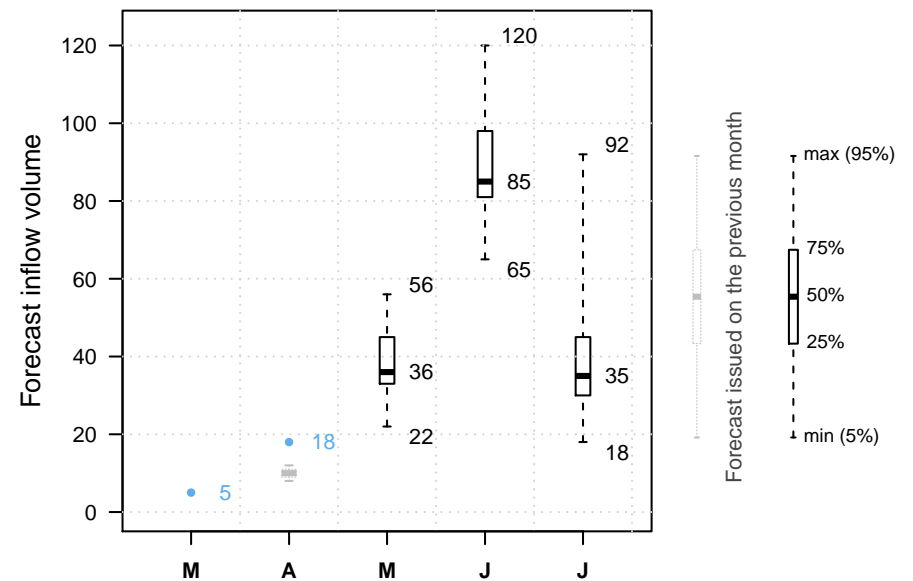
Previous decisions: A



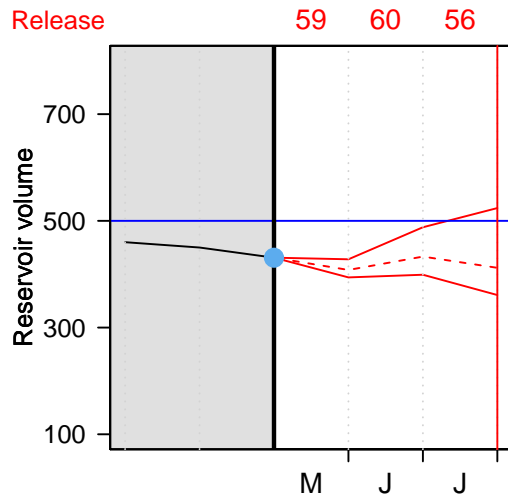
It is May 1st.

And our volunteer?

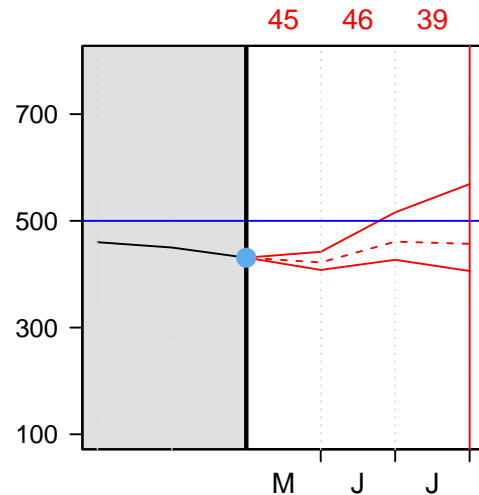
Let's see which release option our volunteer will choose.



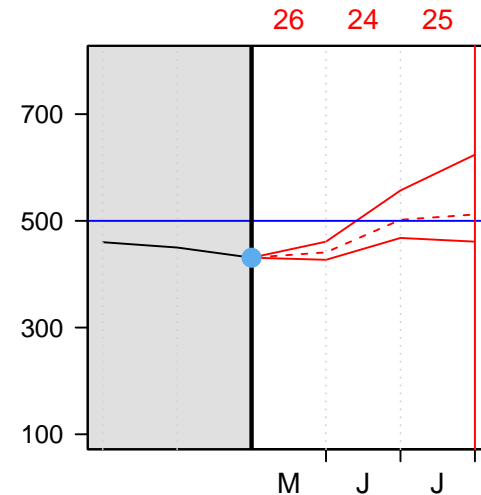
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

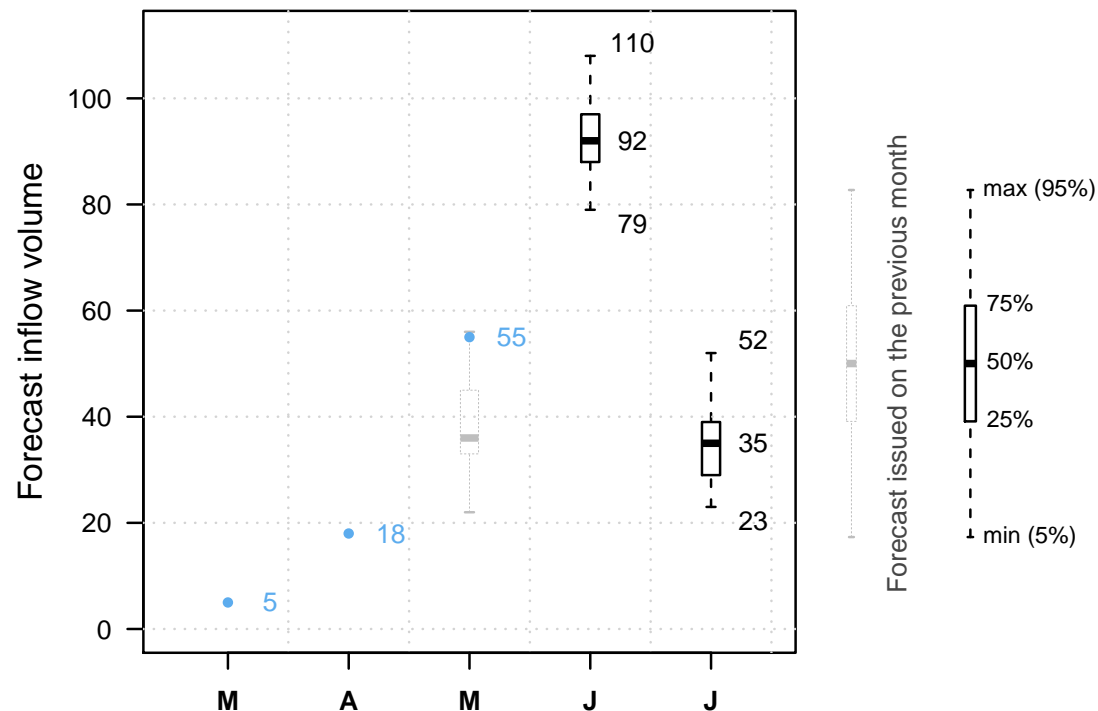


It is June 1st.

The reservoir is at 427  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

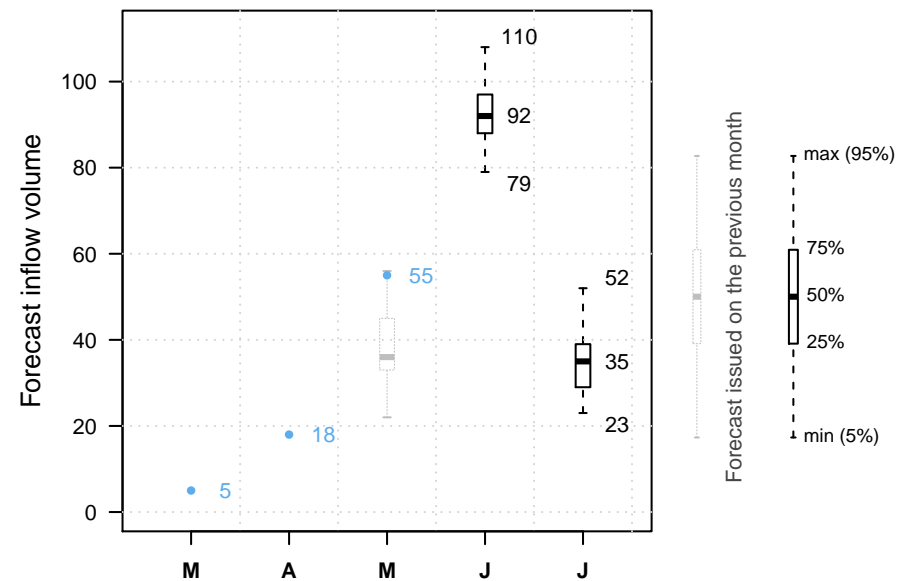
Previous decisions: A A



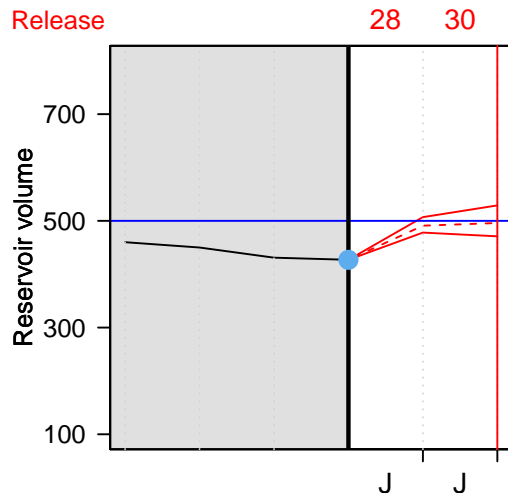
It is June 1st.

And our volunteer?

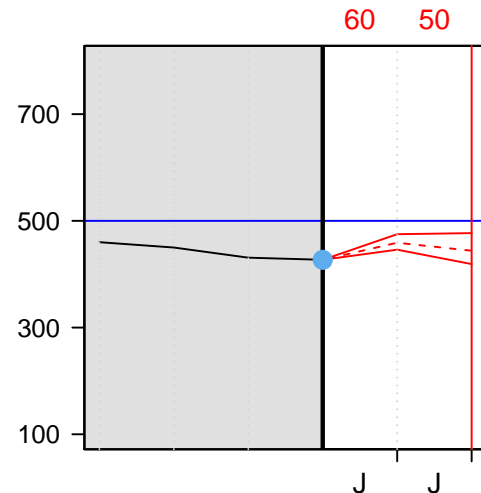
Let's see which release option our volunteer will choose.



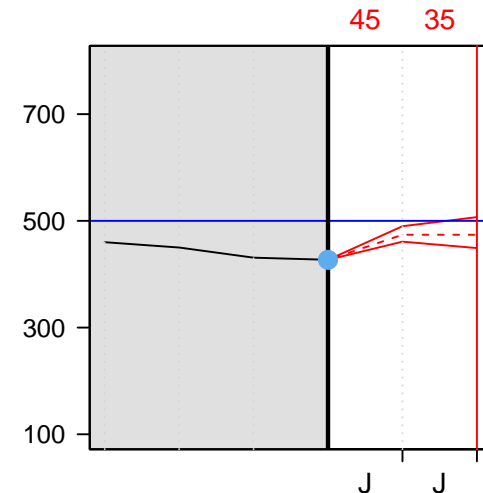
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

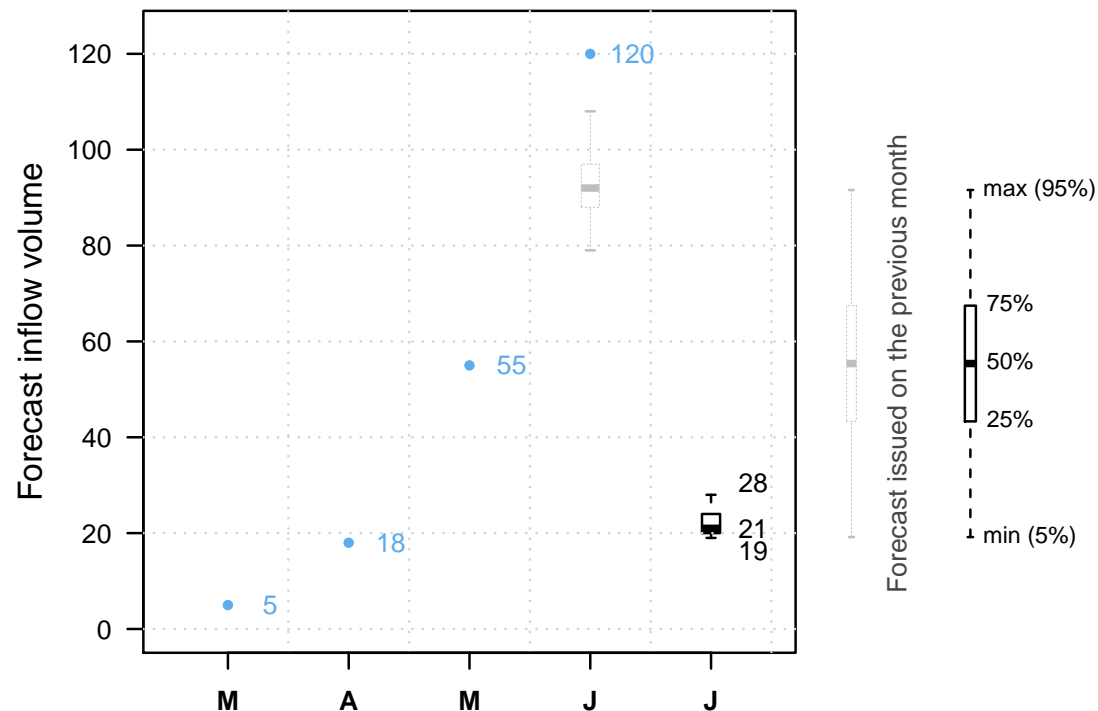


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

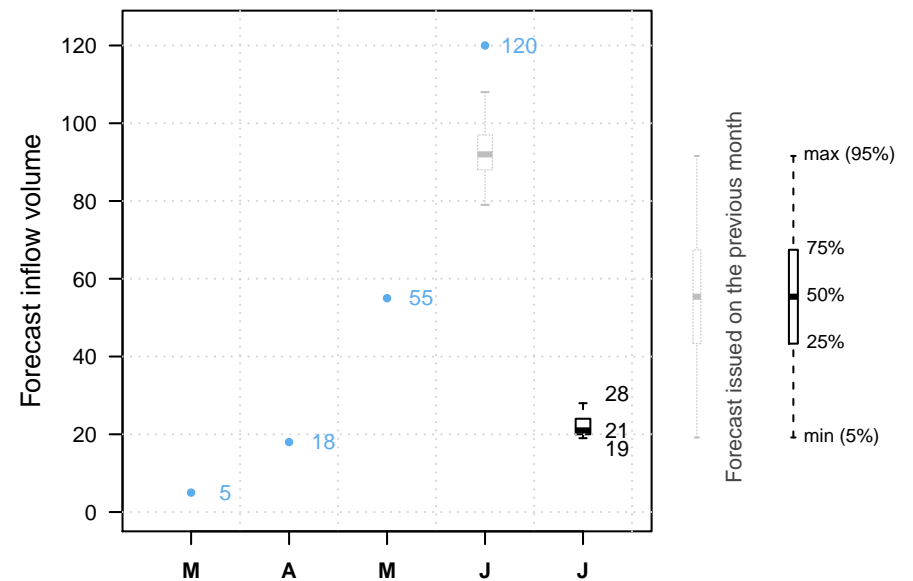
Previous decisions: A A C



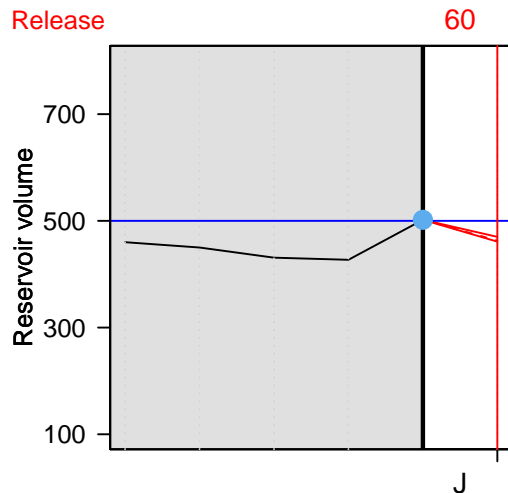
It is July 1st.

And our volunteer?

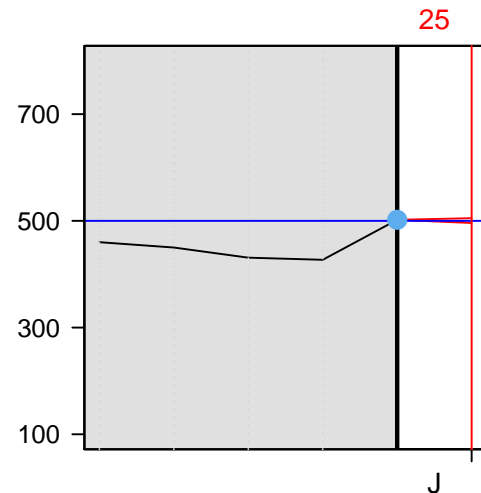
Let's see which release option our volunteer will choose.



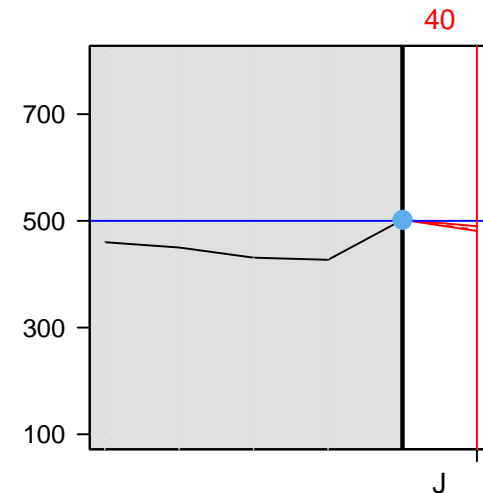
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 499 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

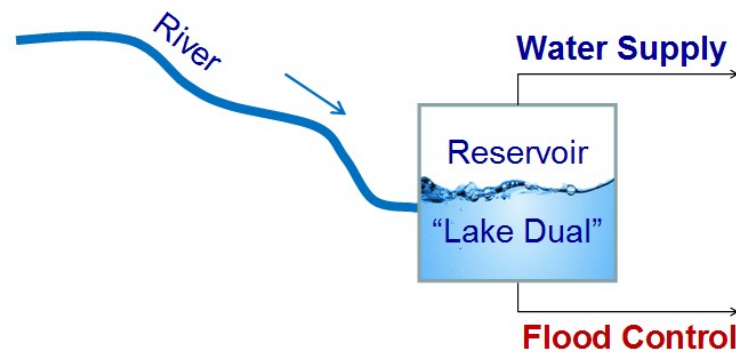
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



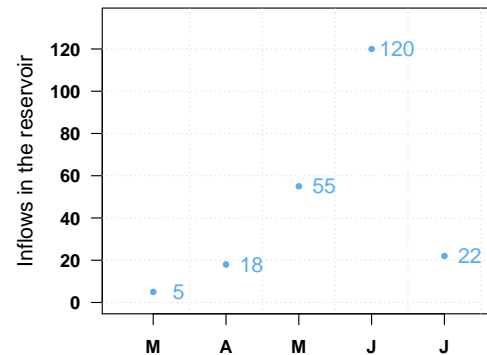
Swof Town



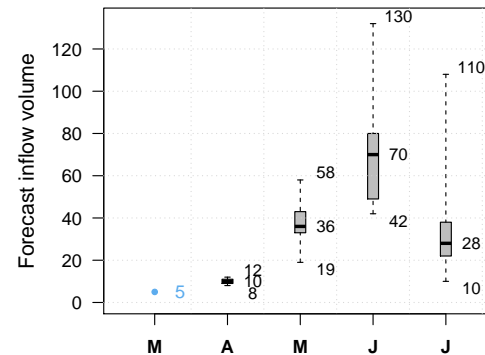
Safe Town



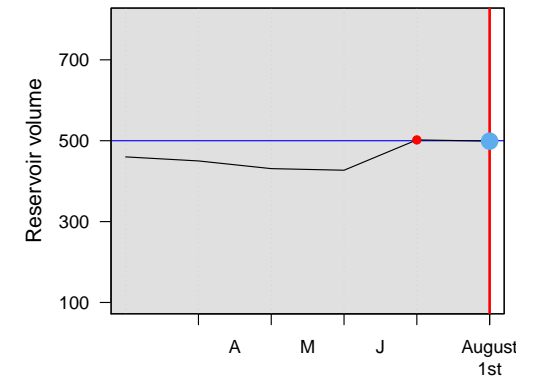
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

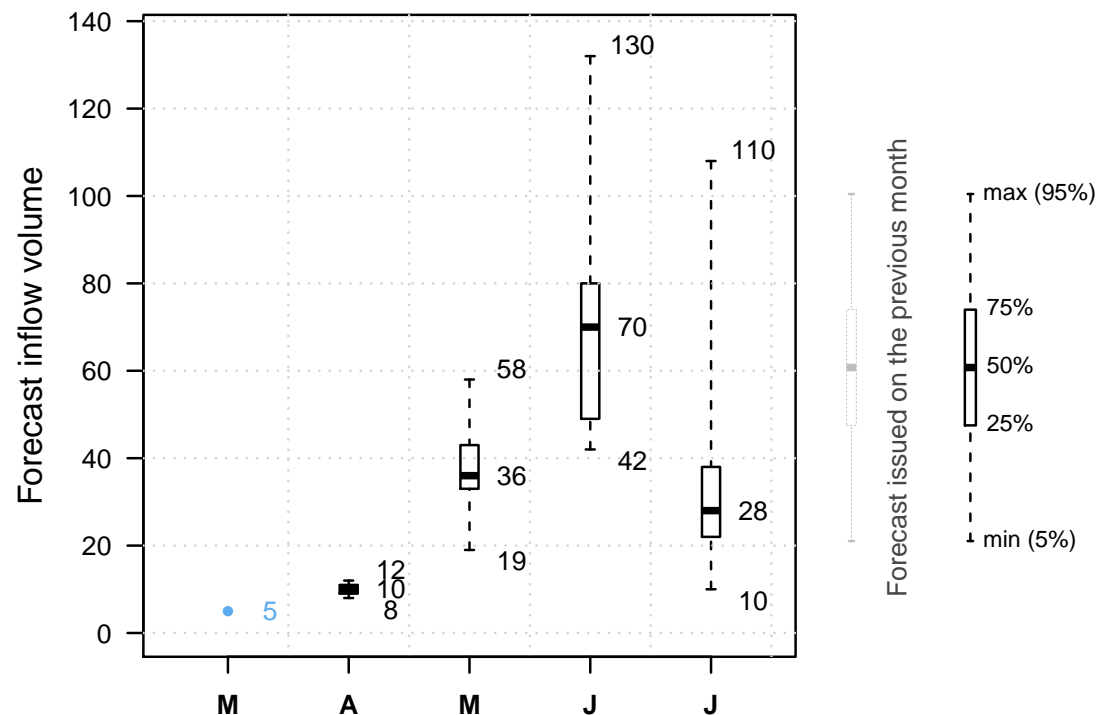


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

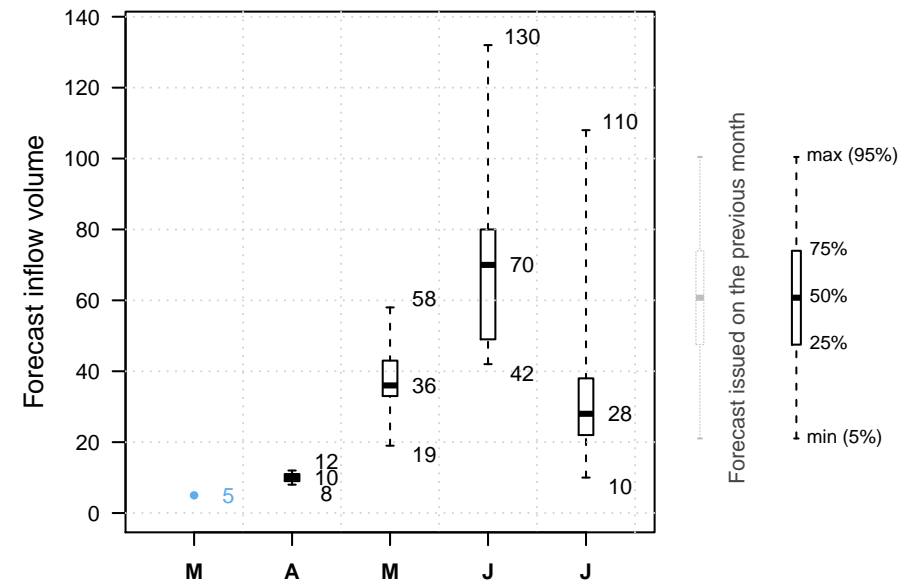
**NEXT**



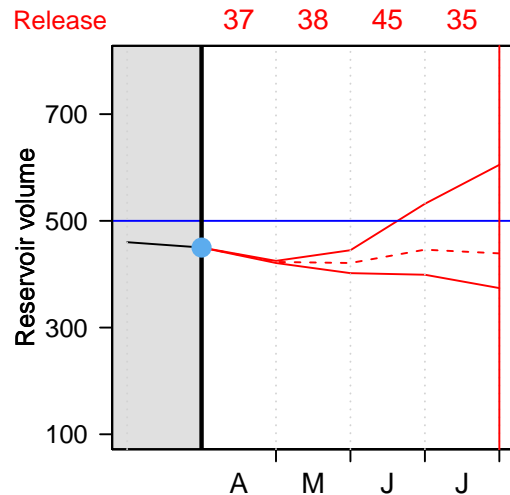
It is April 1st.

And our volunteer?

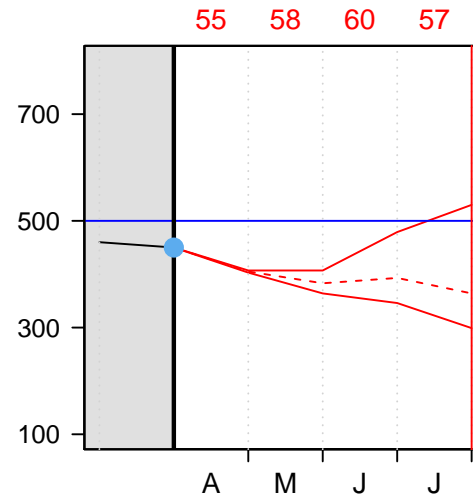
Let's see which release option our volunteer will choose.



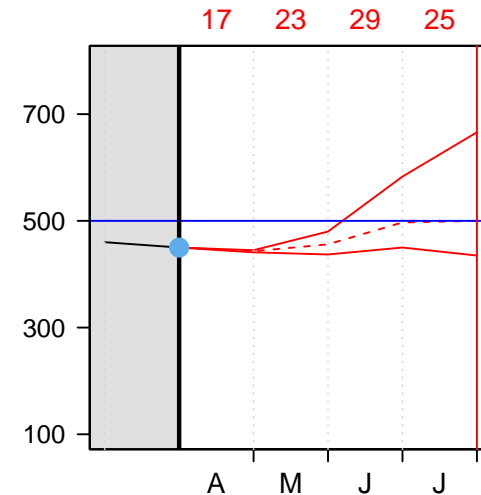
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

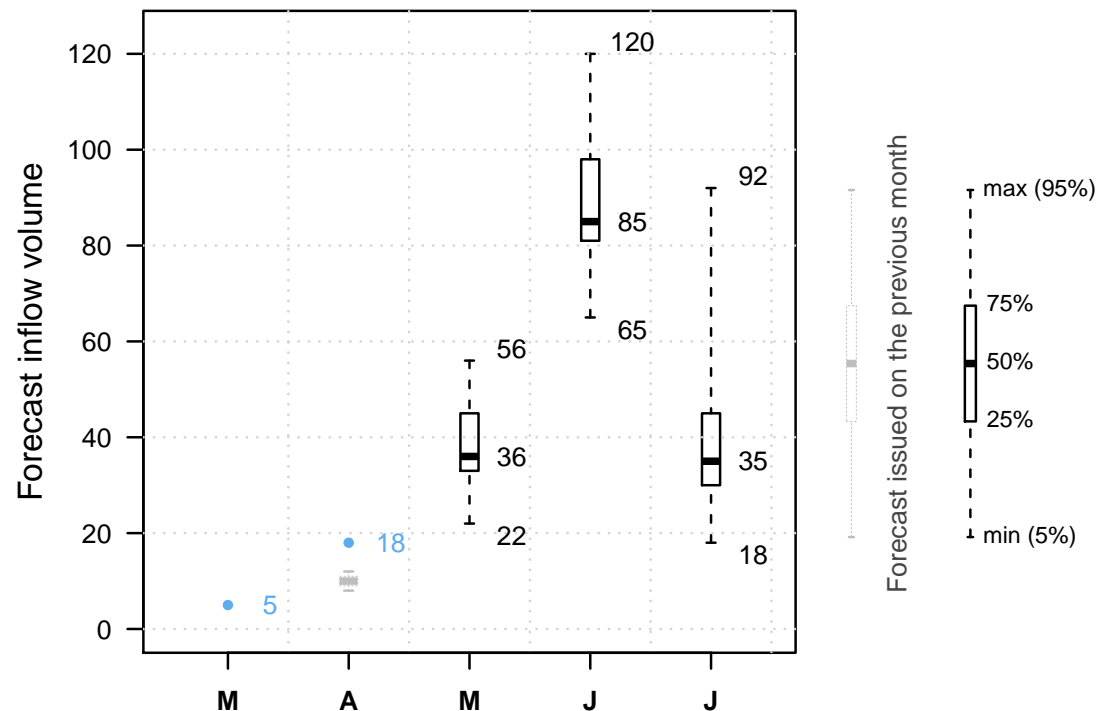


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

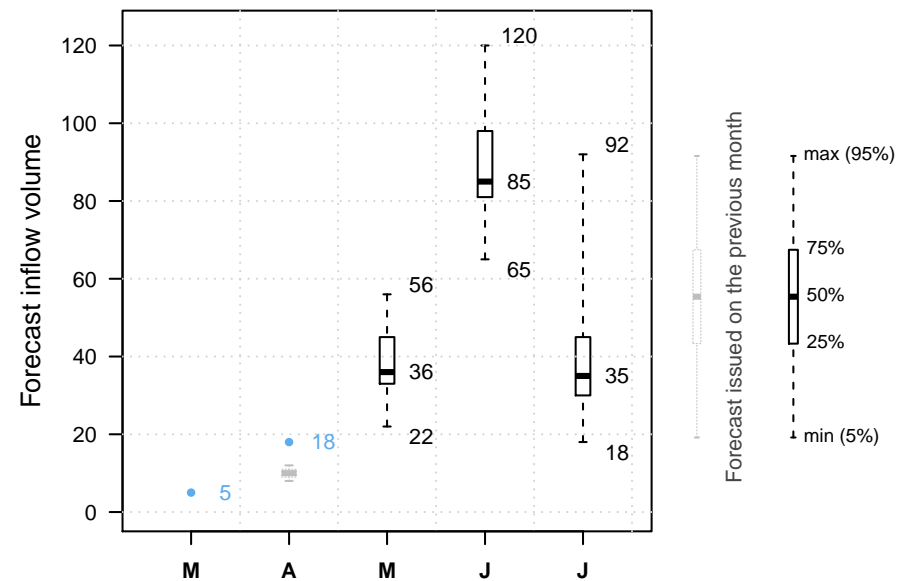
Previous decisions: B



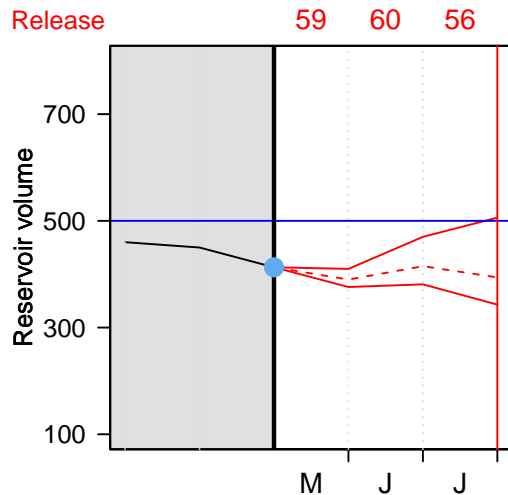
It is May 1st.

And our volunteer?

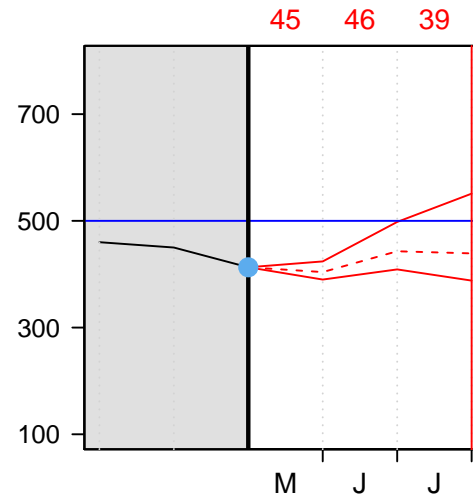
Let's see which release option our volunteer will choose.



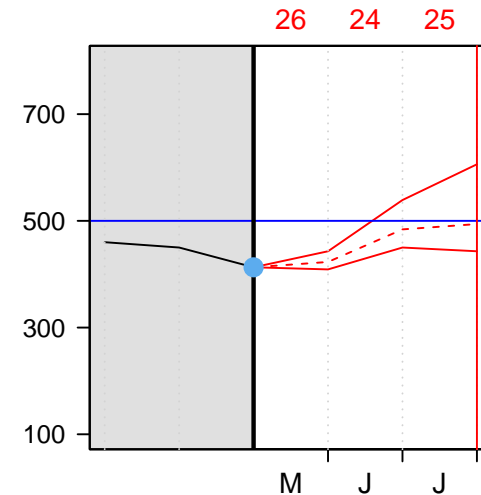
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

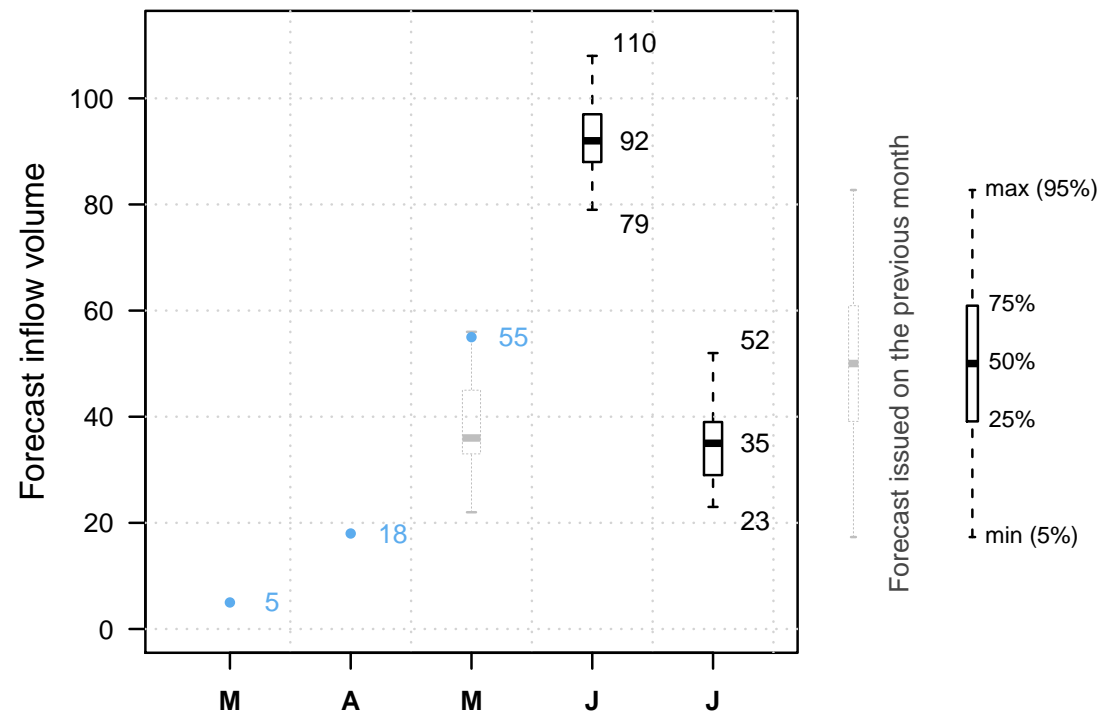


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

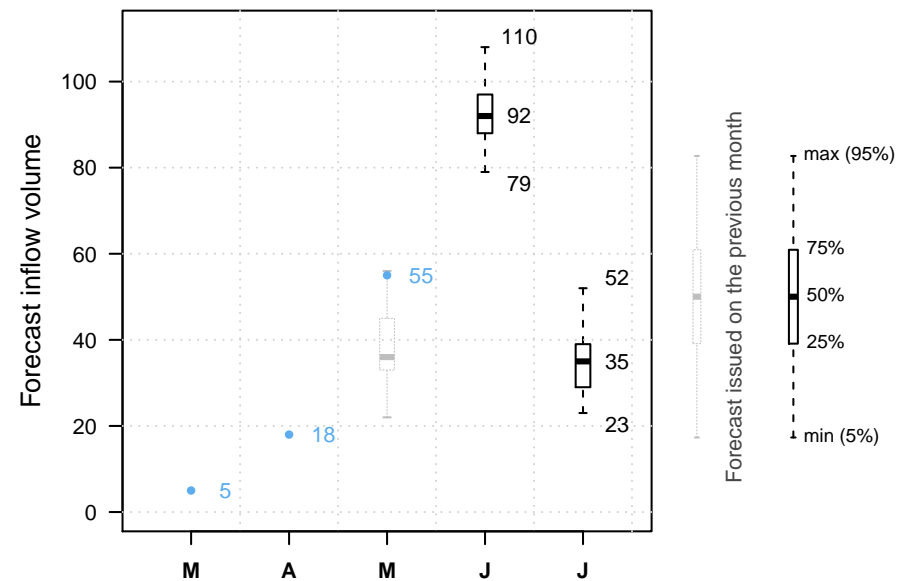
Previous decisions: B A



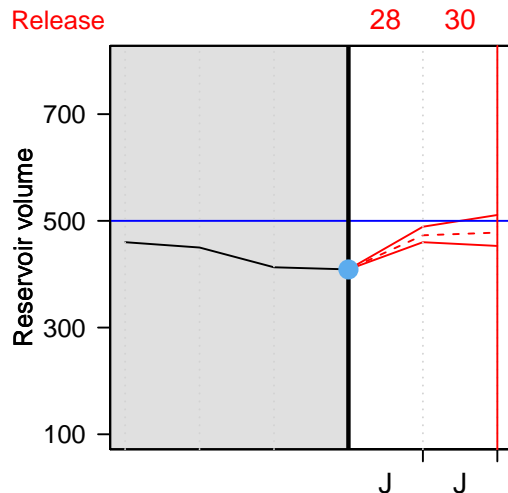
It is June 1st.

And our volunteer?

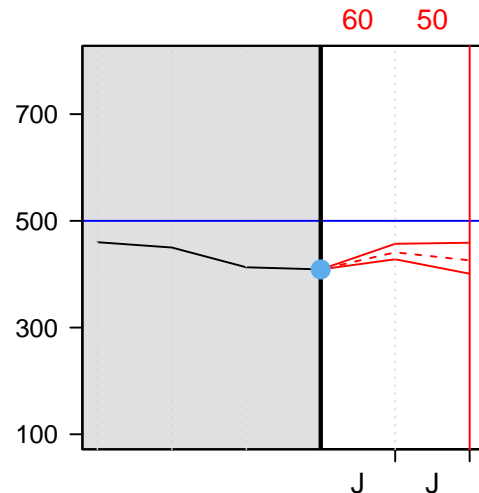
Let's see which release option our volunteer will choose.



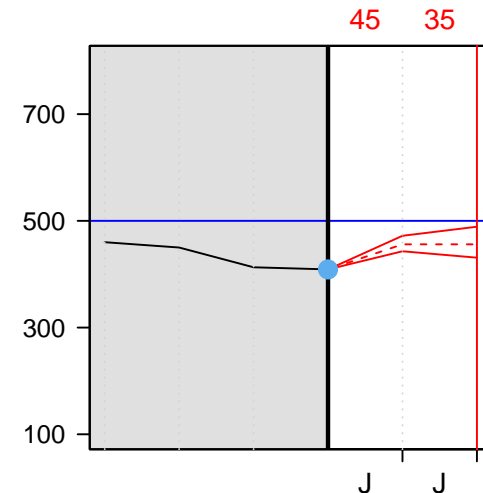
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

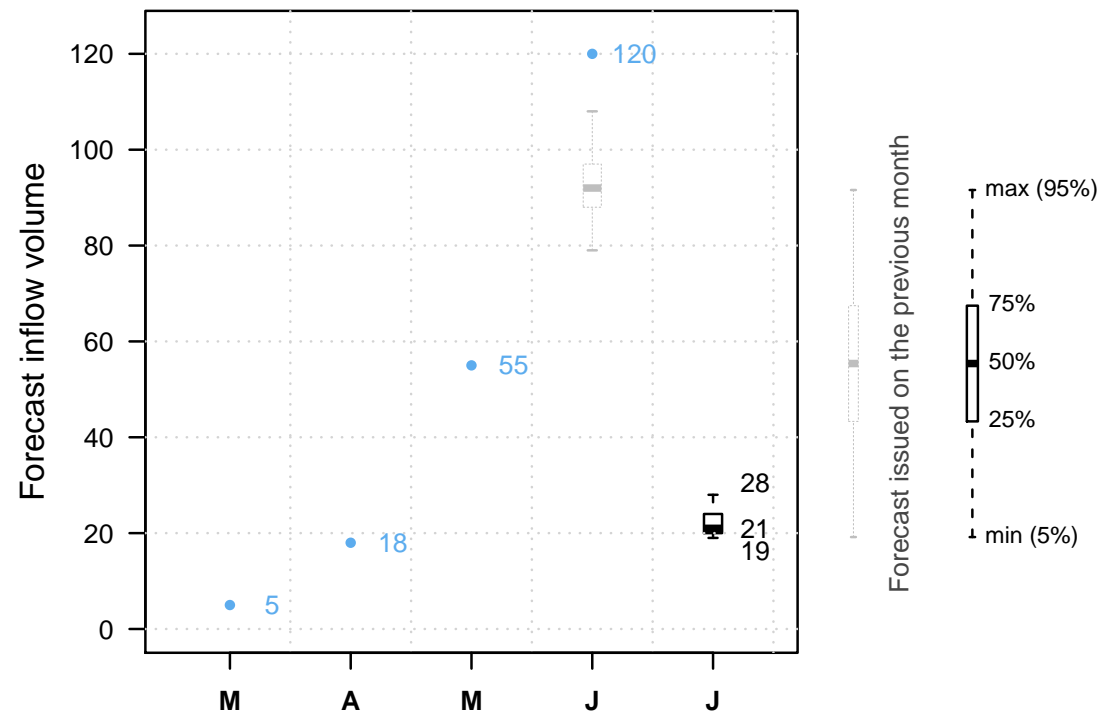


It is July 1st.

The reservoir is at 484  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

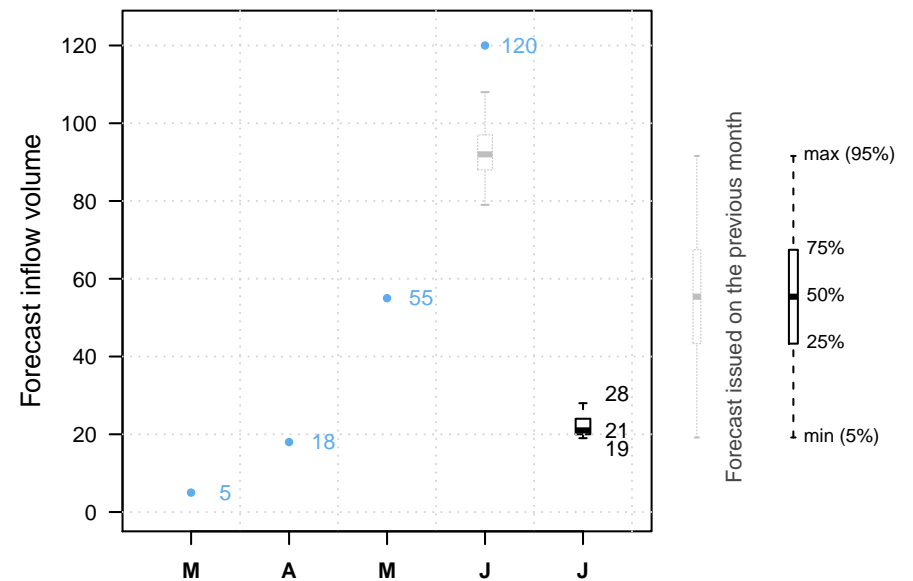
Previous decisions: B A C



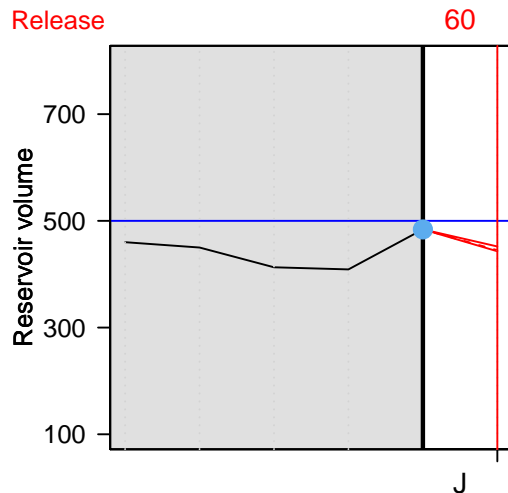
It is July 1st.

And our volunteer?

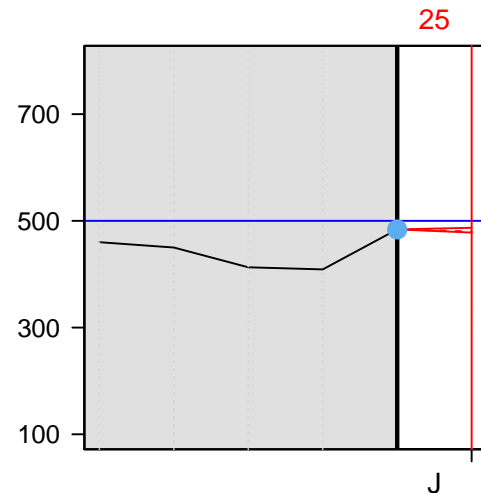
Let's see which release option our volunteer will choose.



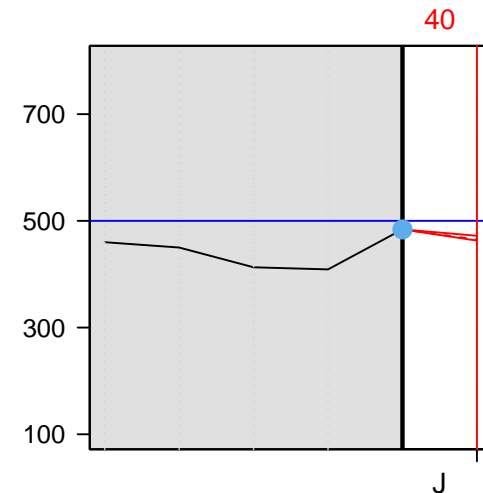
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$484 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 481 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

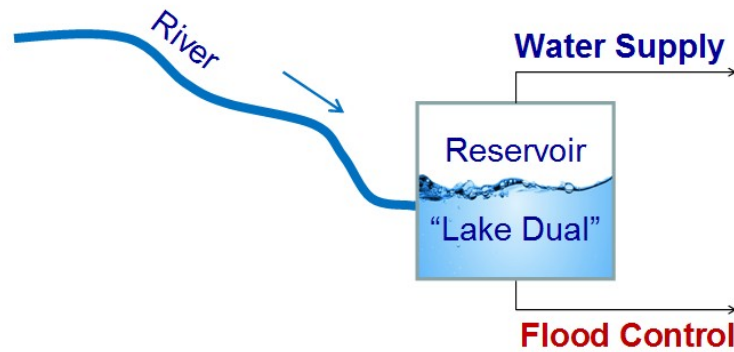
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



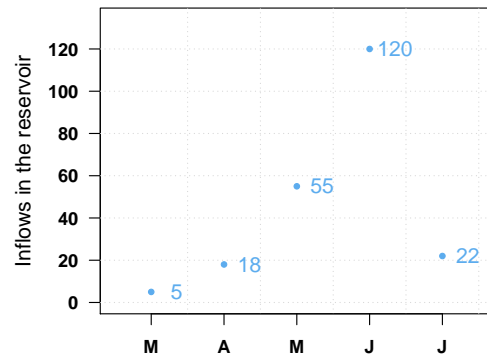
Swof Town



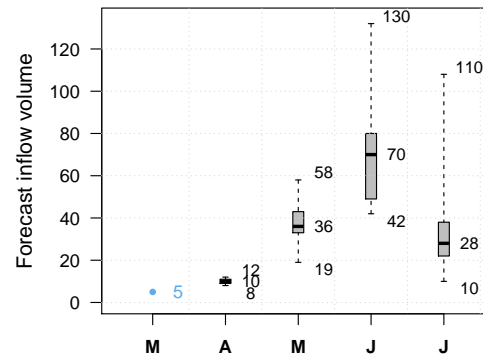
Safe Town



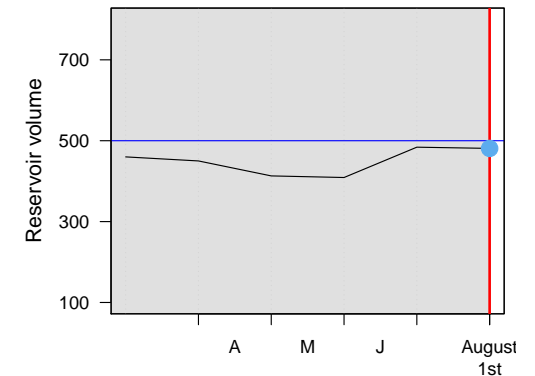
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

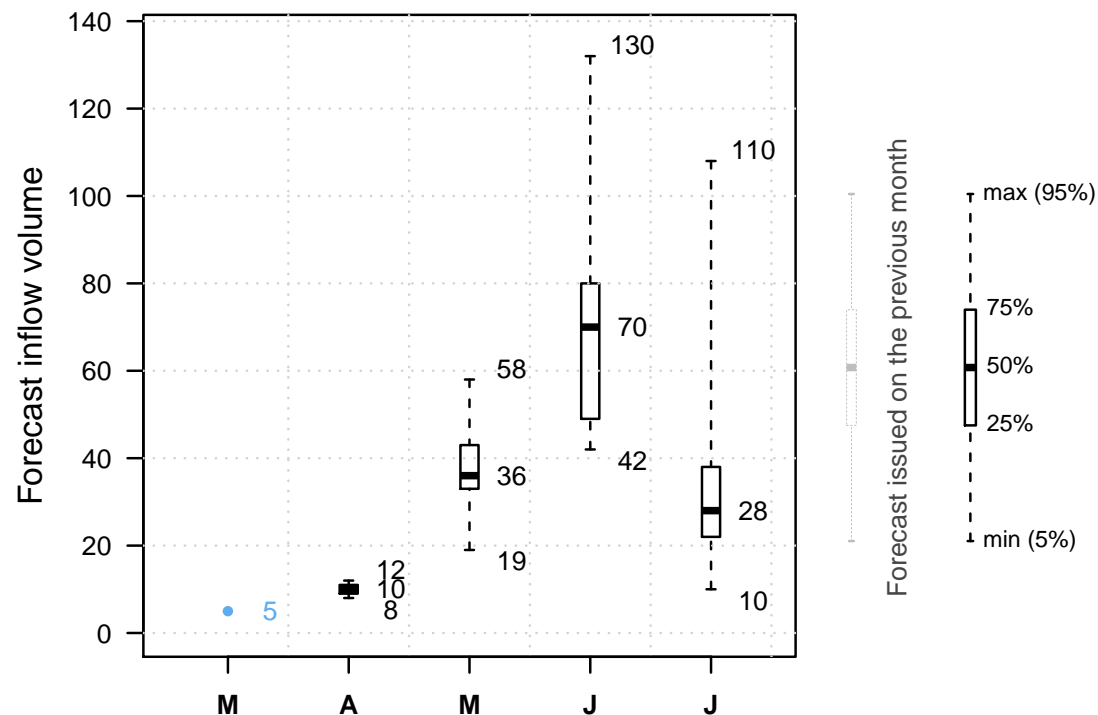


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

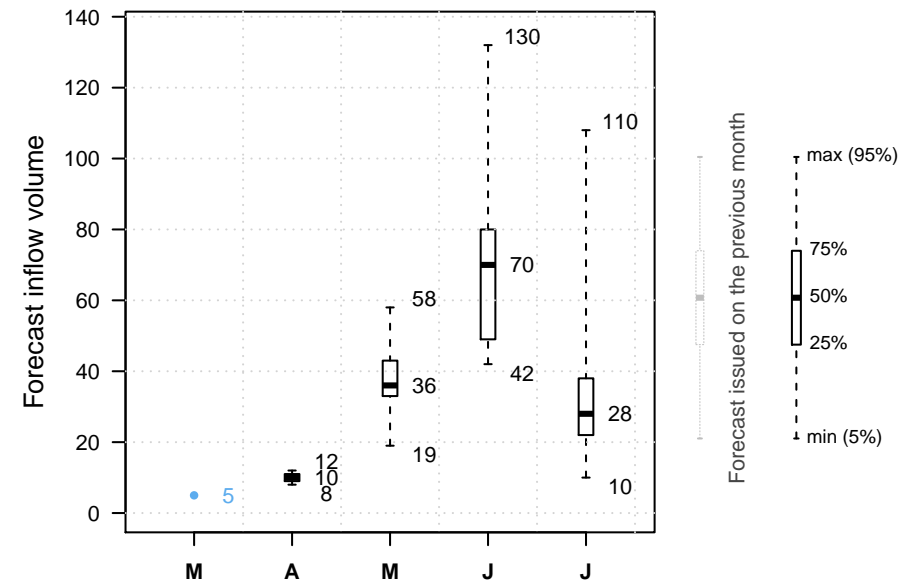
NEXT



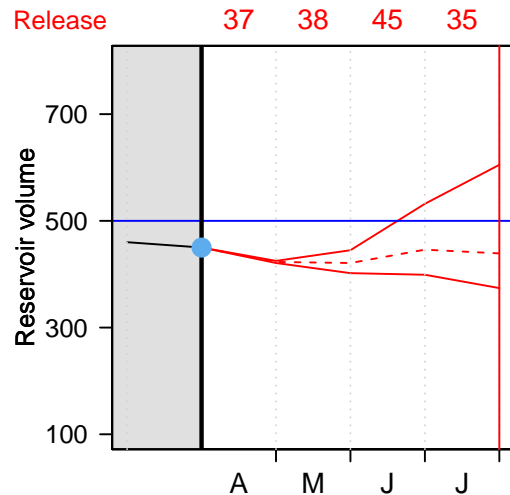
It is April 1st.

And our volunteer?

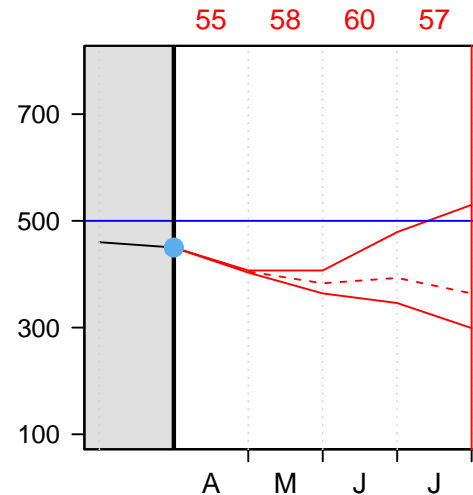
Let's see which release option our volunteer will choose.



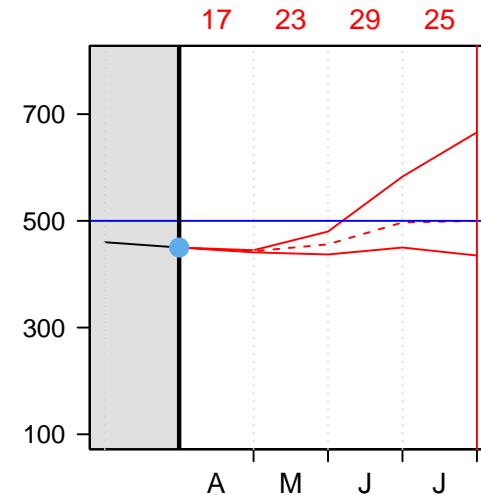
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

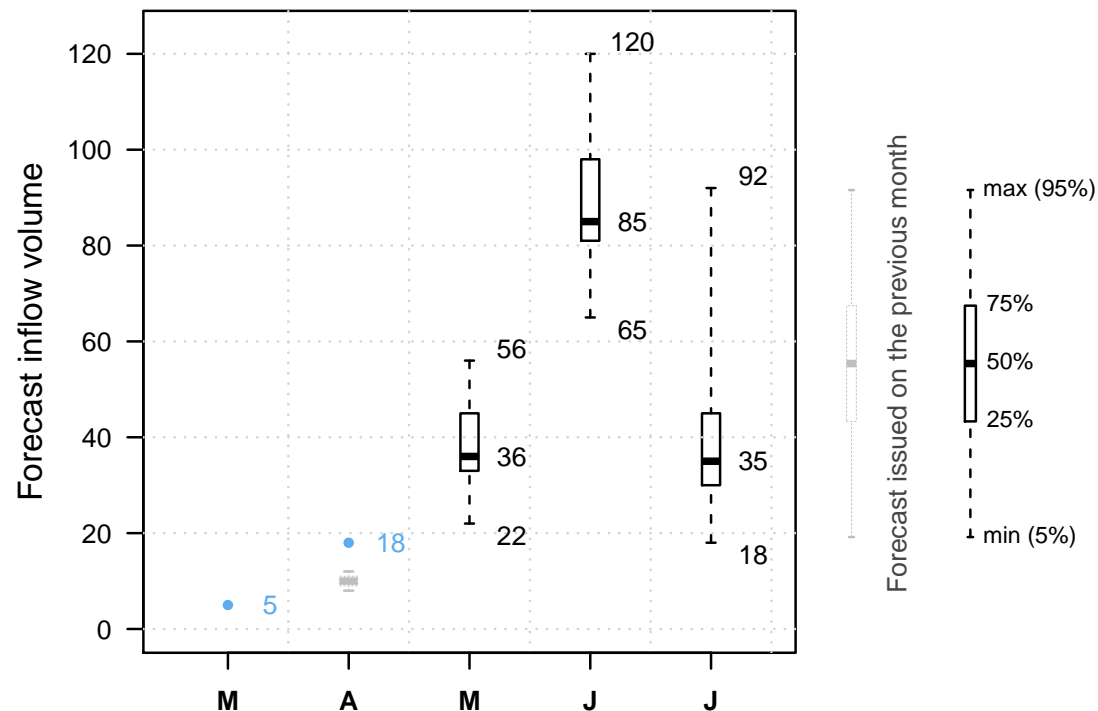


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



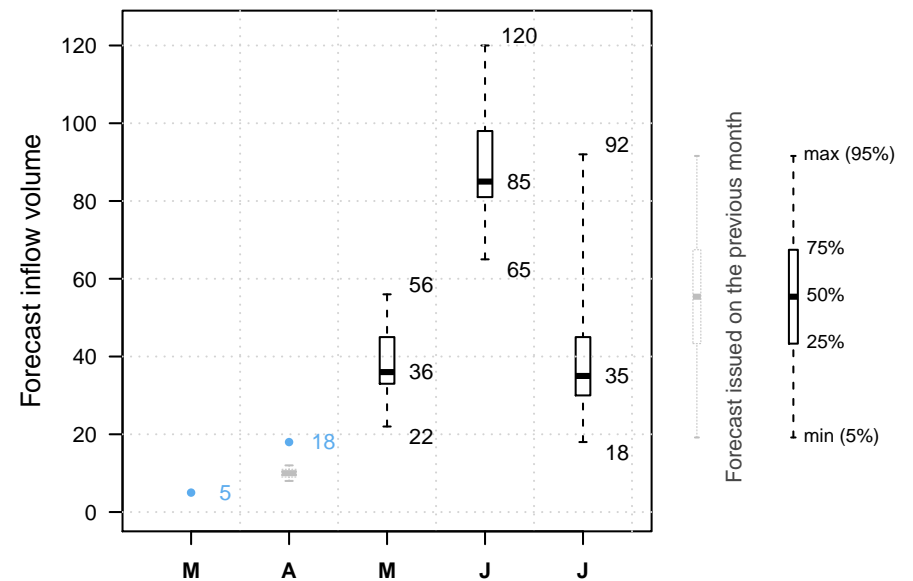
Previous decisions: C



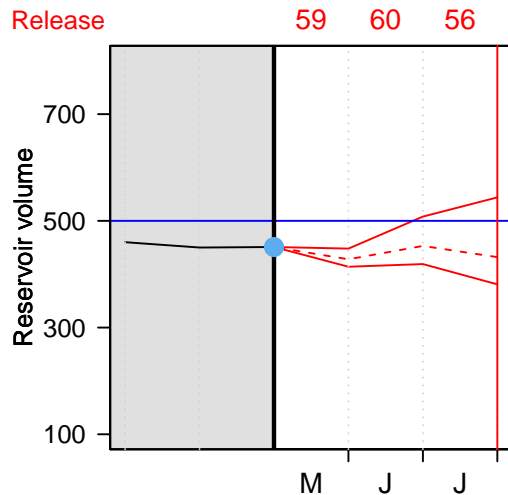
It is May 1st.

And our volunteer?

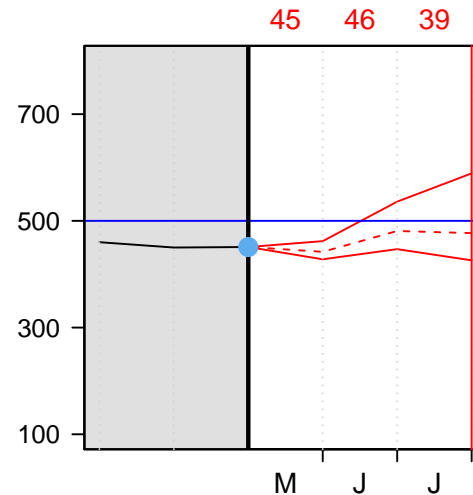
Let's see which release option our volunteer will choose.



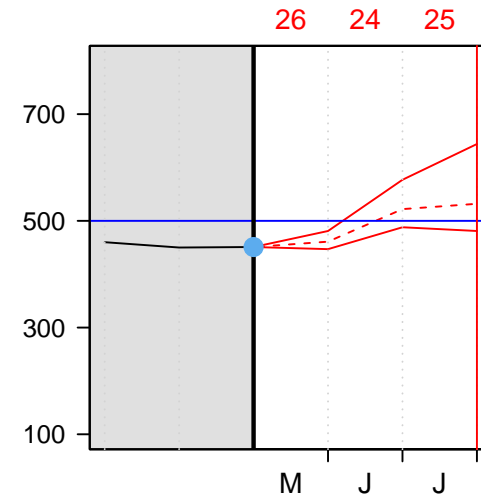
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

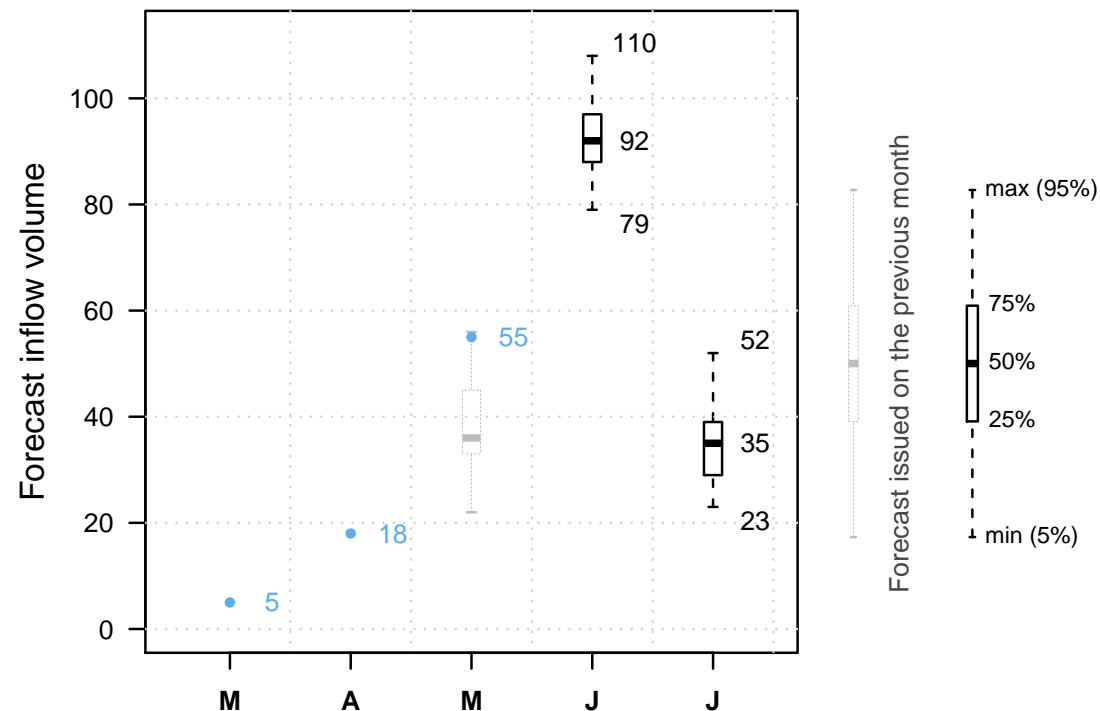


It is June 1st.

The reservoir is at  $447 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

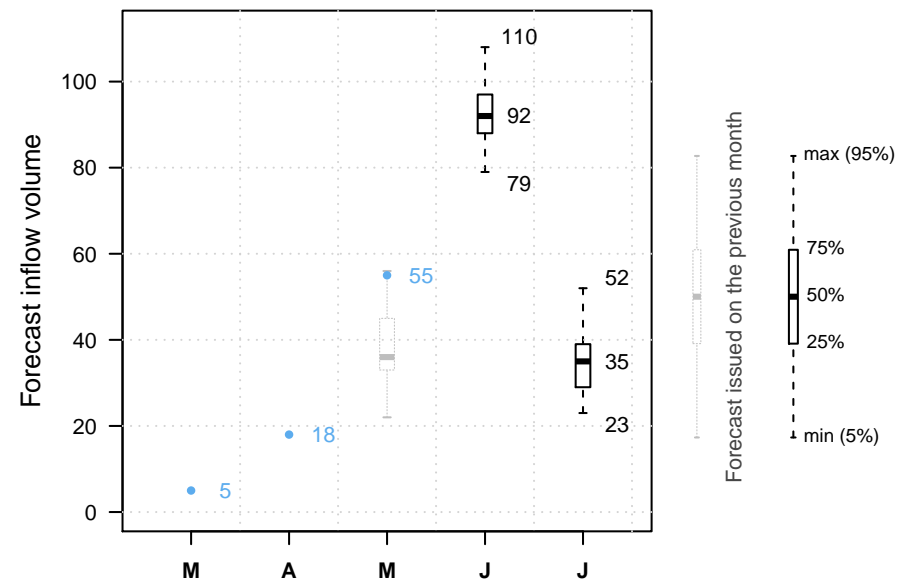
Previous decisions: C A



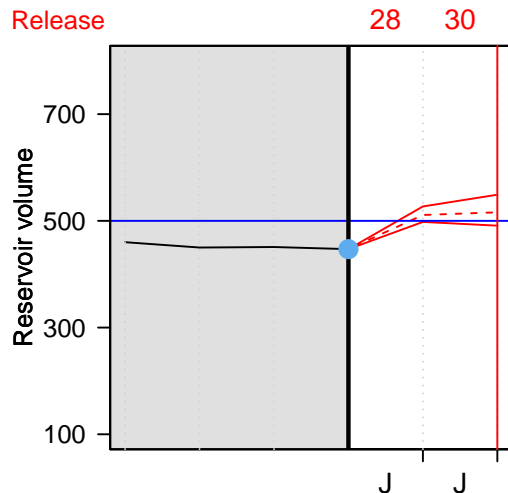
It is June 1st.

And our volunteer?

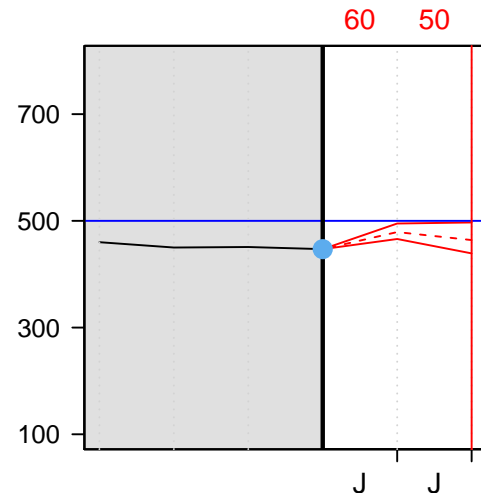
Let's see which release option our volunteer will choose.



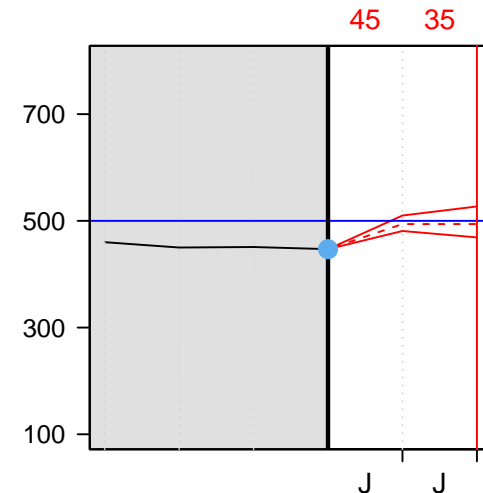
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 522 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

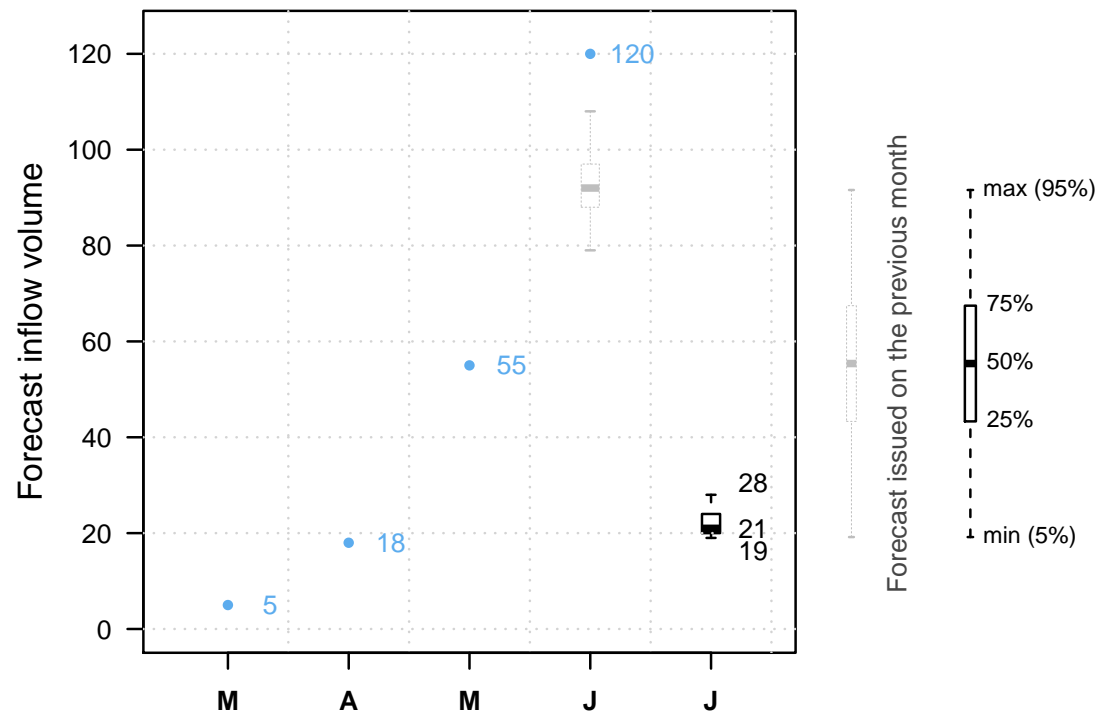


It is July 1st.

The reservoir is at  $522 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



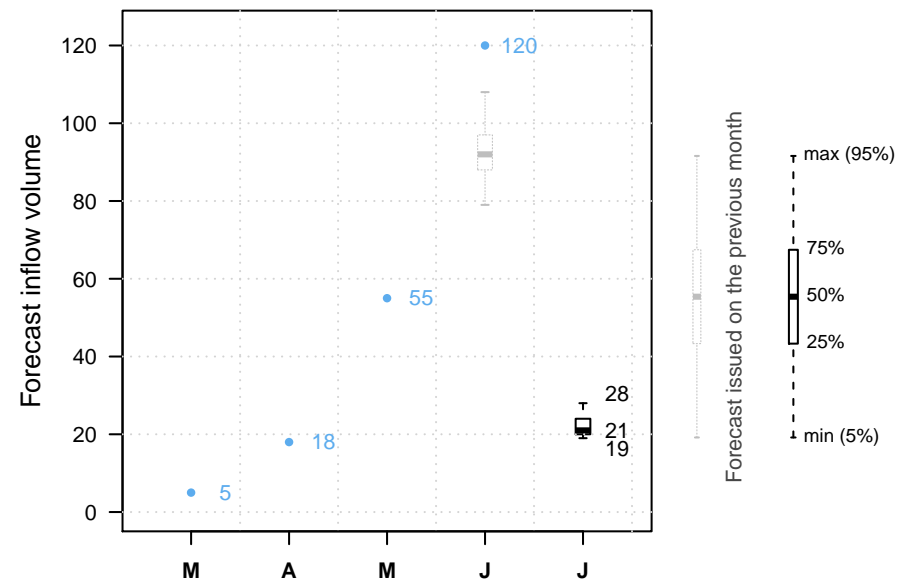
Previous decisions: C A C



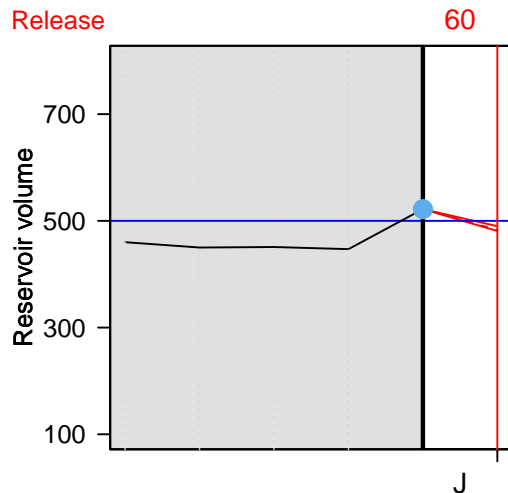
It is July 1st.

And our volunteer?

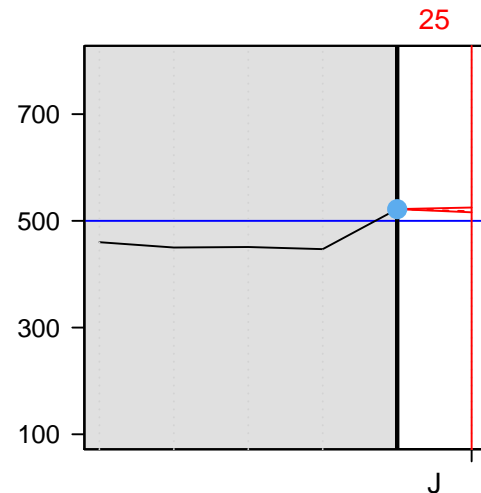
Let's see which release option our volunteer will choose.



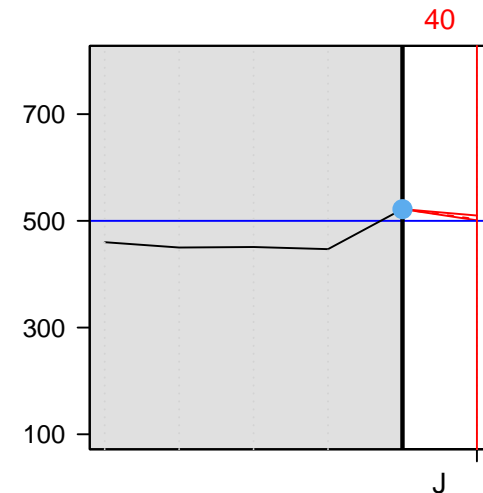
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$522 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 519 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

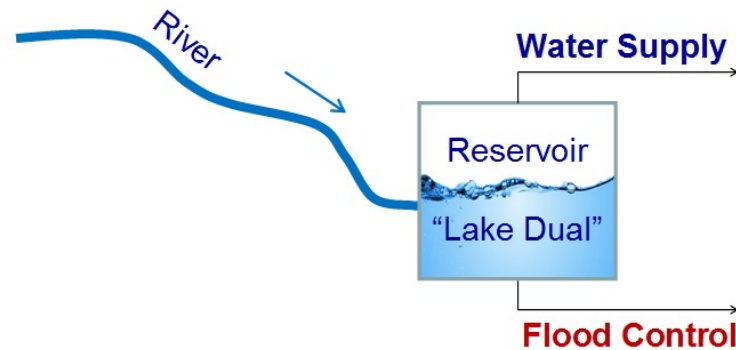
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



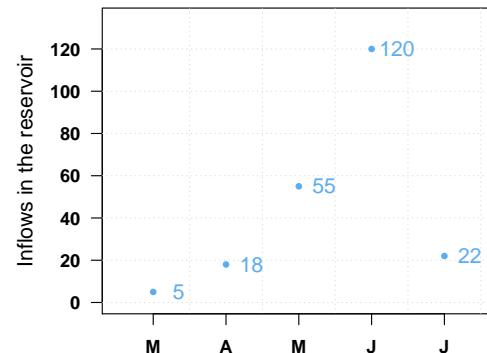
Swof Town



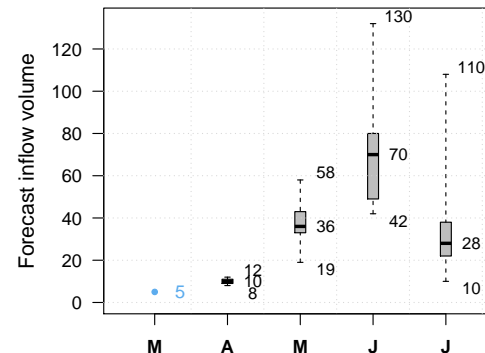
Safe Town



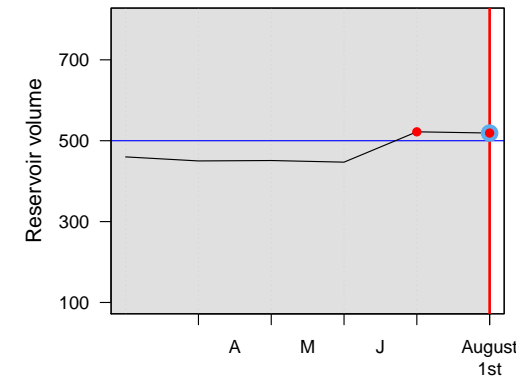
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

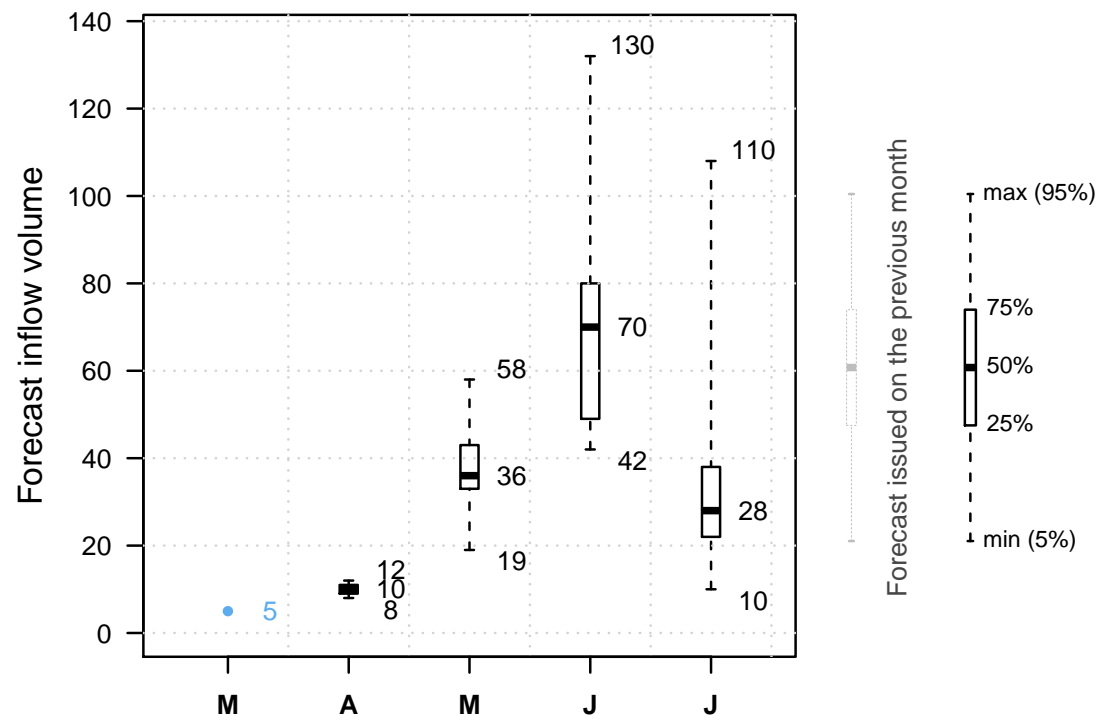


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

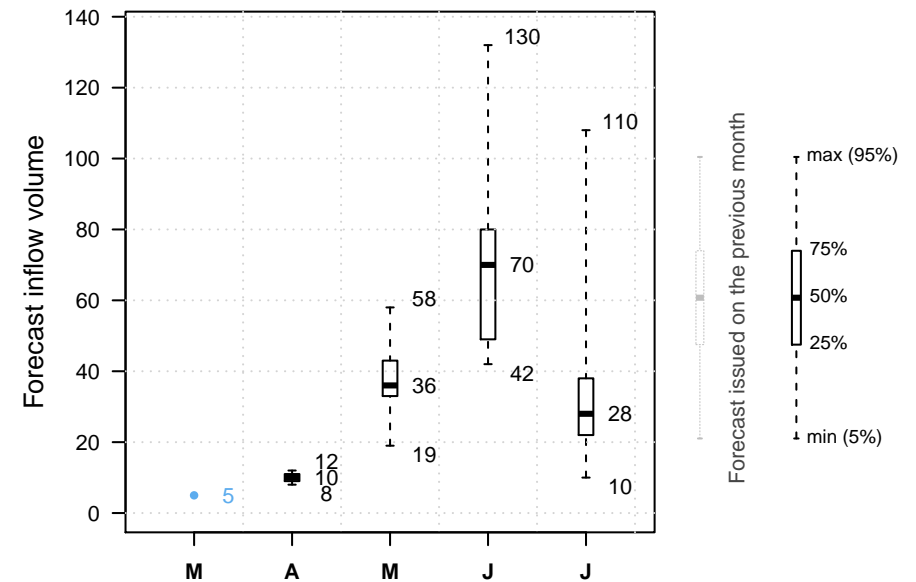
NEXT



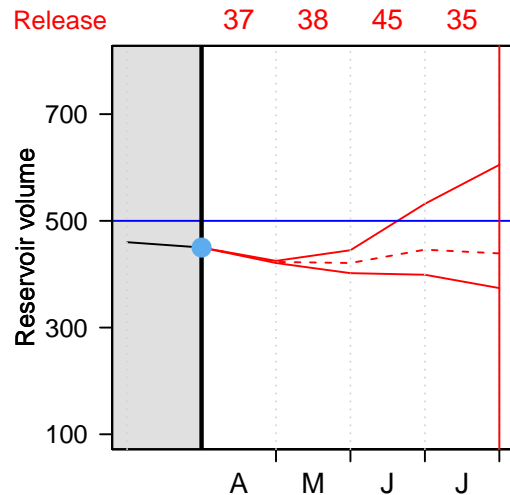
It is April 1st.

And our volunteer?

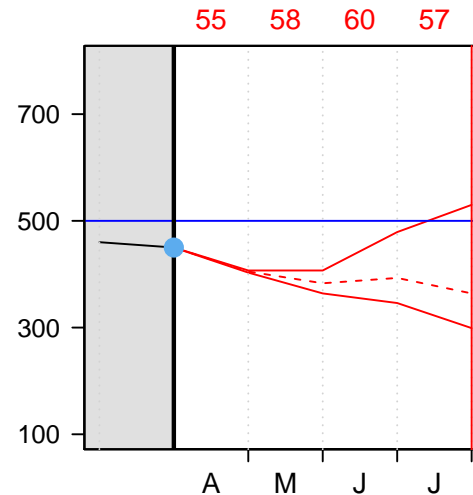
Let's see which release option our volunteer will choose.



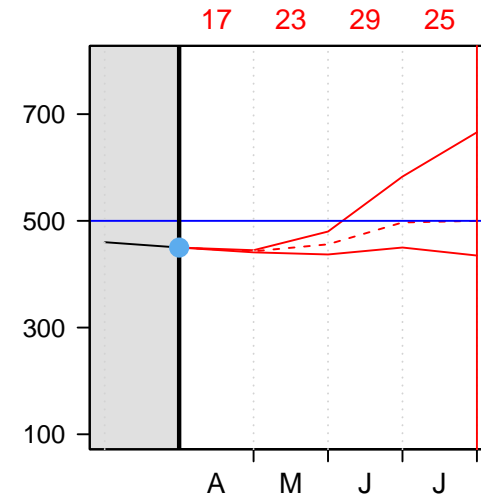
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



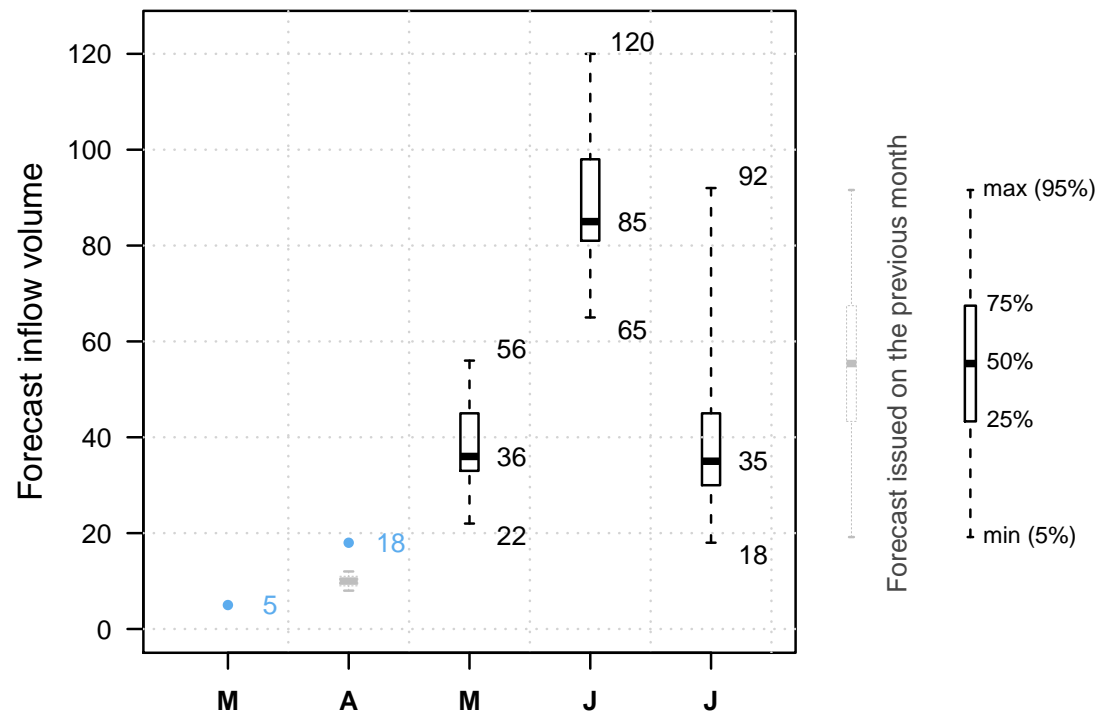


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

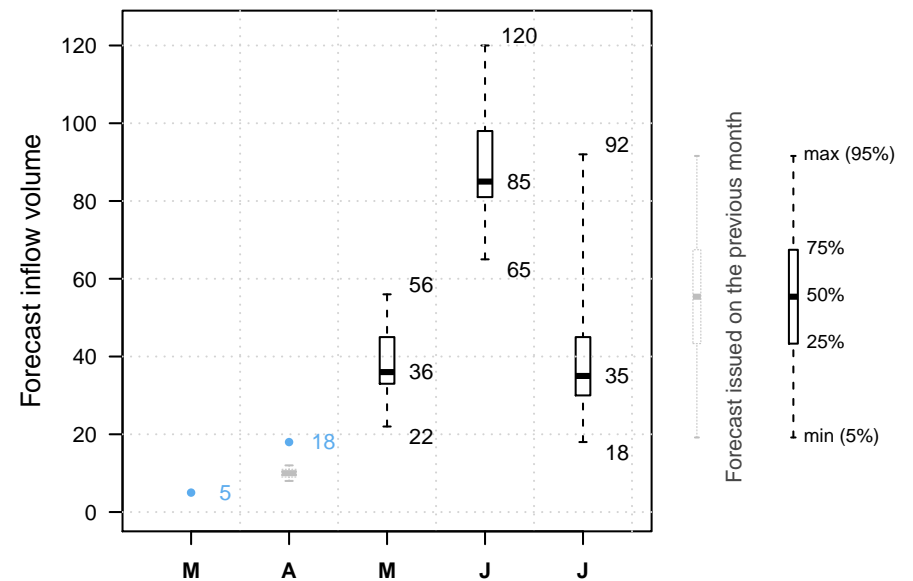
Previous decisions: A



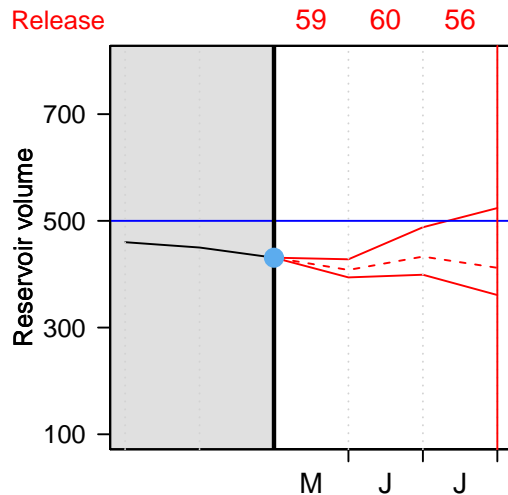
It is May 1st.

And our volunteer?

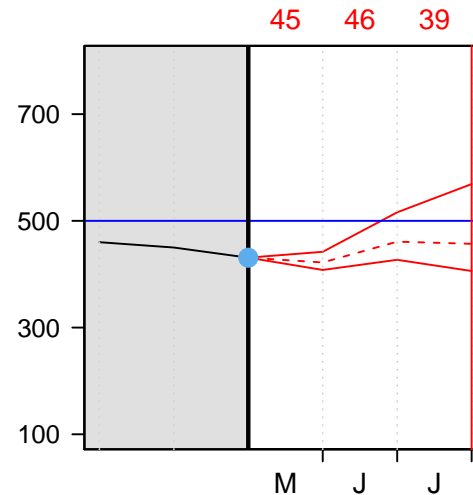
Let's see which release option our volunteer will choose.



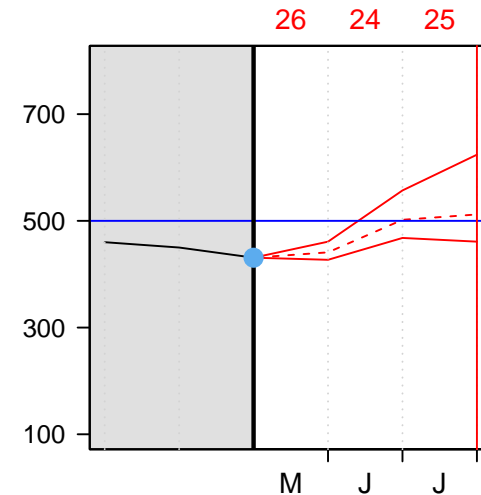
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

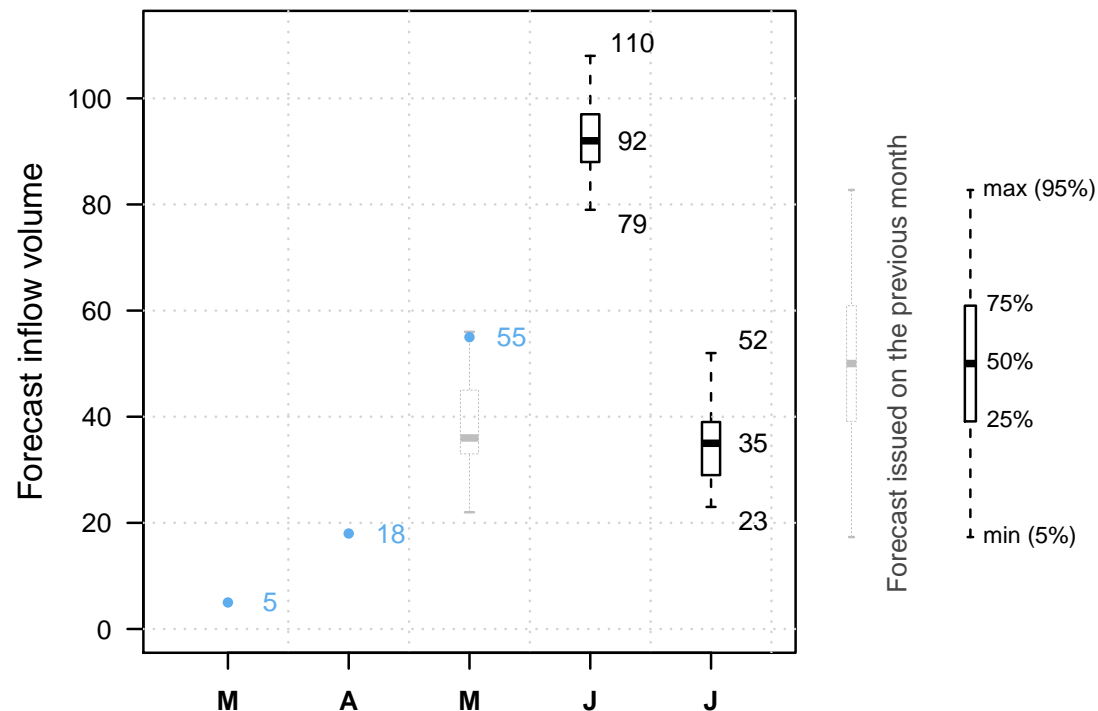


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

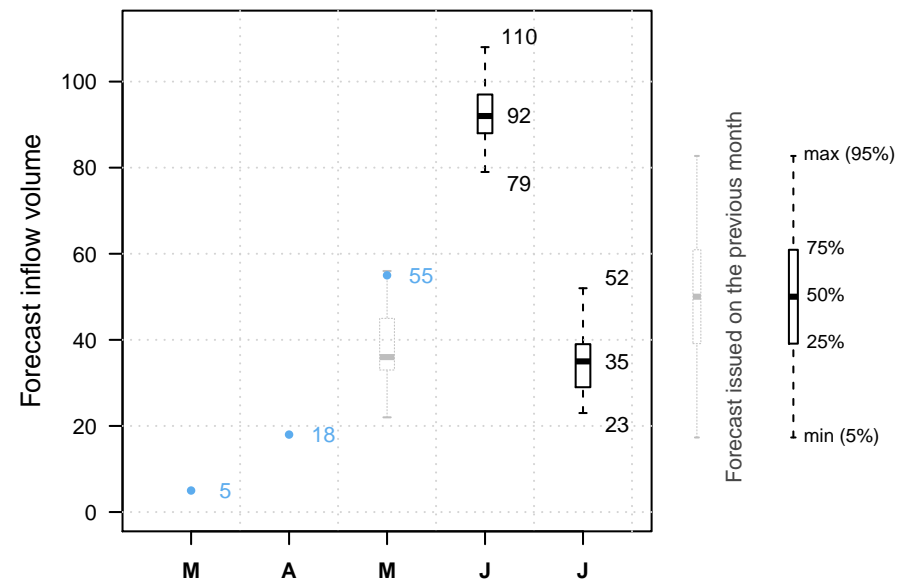
Previous decisions: A B



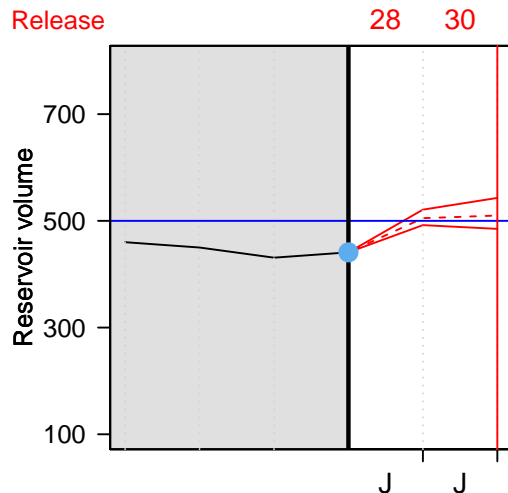
It is June 1st.

And our volunteer?

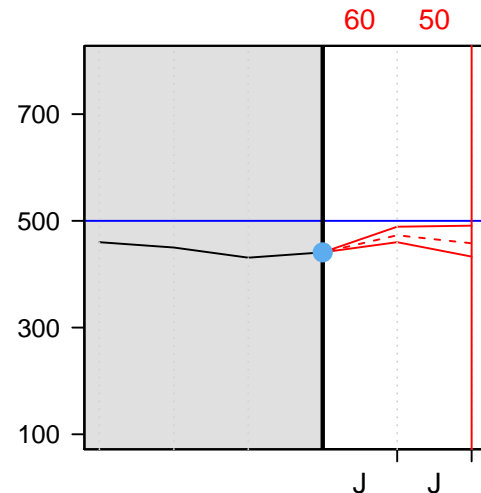
Let's see which release option our volunteer will choose.



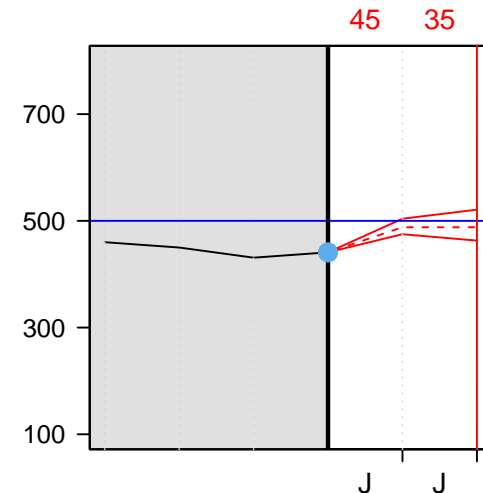
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 516 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



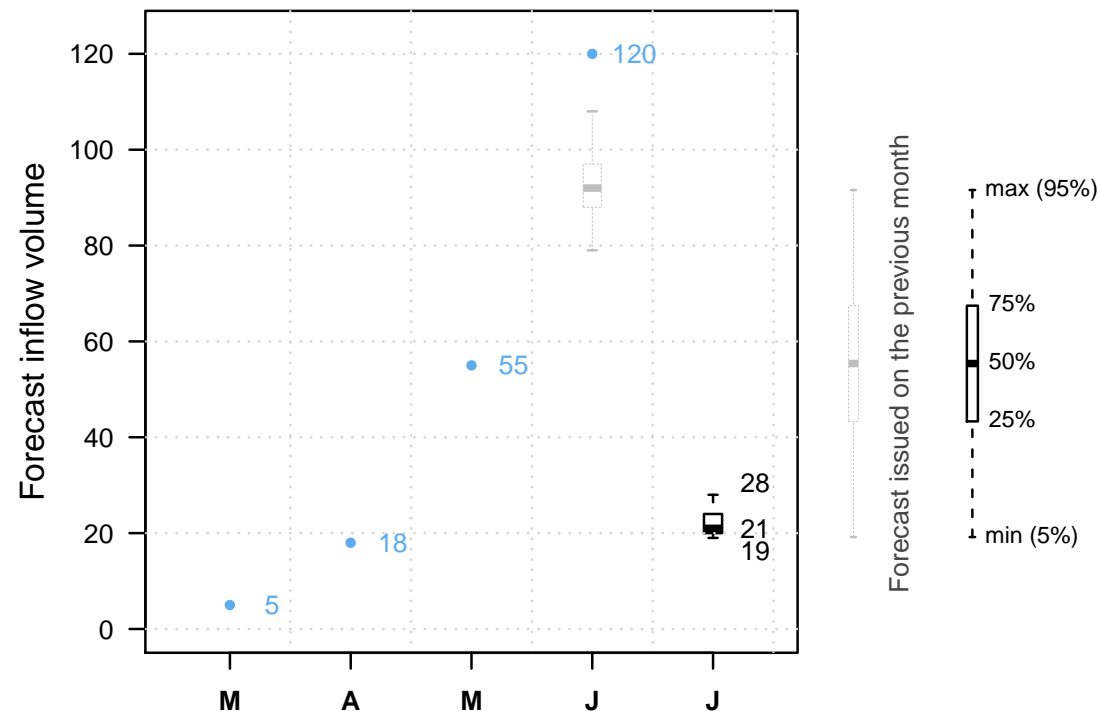


It is July 1st.

The reservoir is at  $516 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

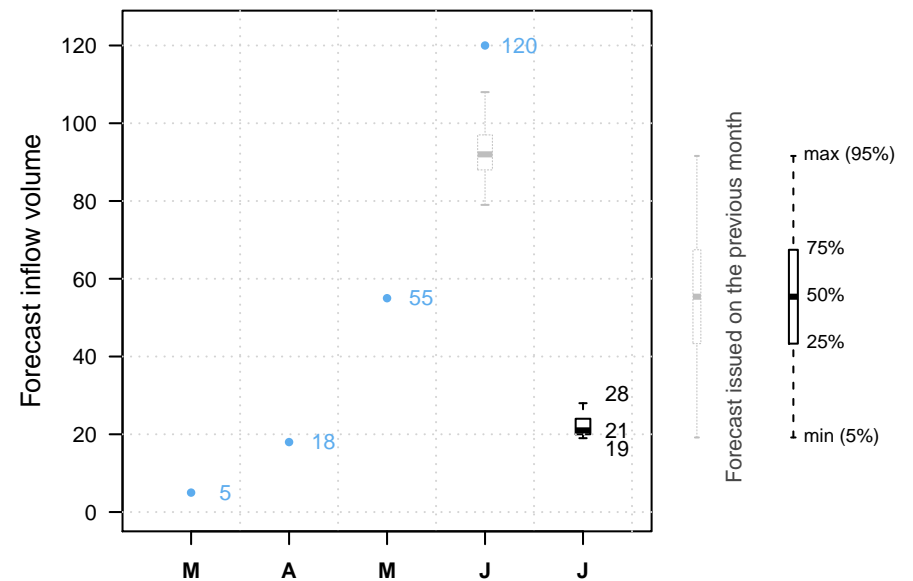
Previous decisions: A B C



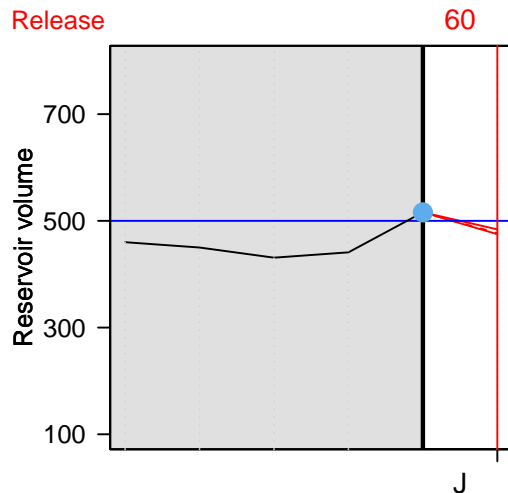
It is July 1st.

And our volunteer?

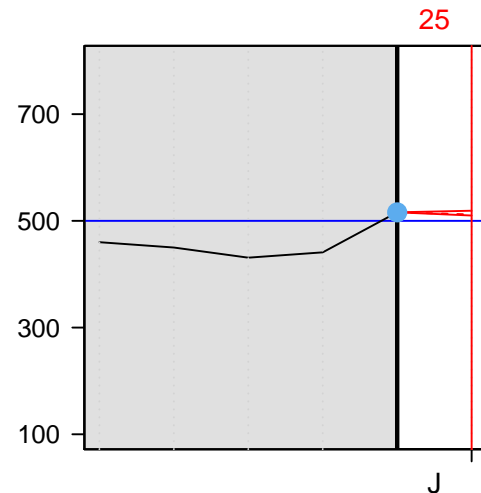
Let's see which release option our volunteer will choose.



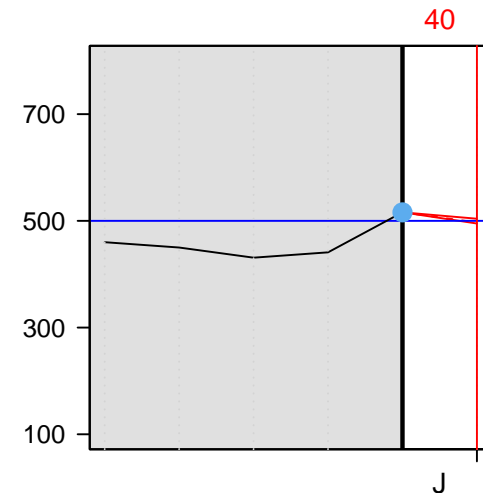
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$516 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 513 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

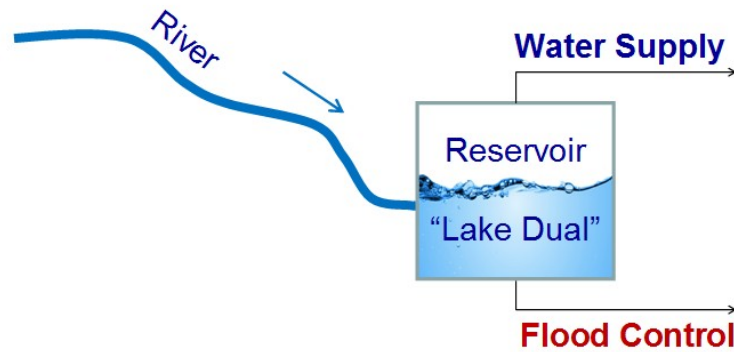
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



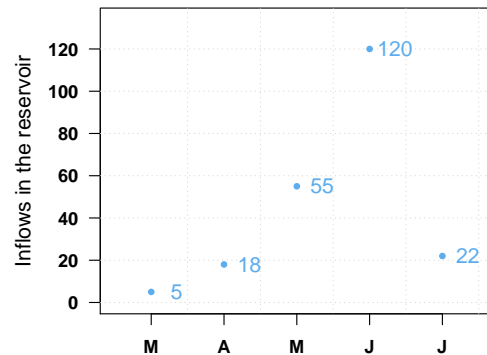
Swof Town



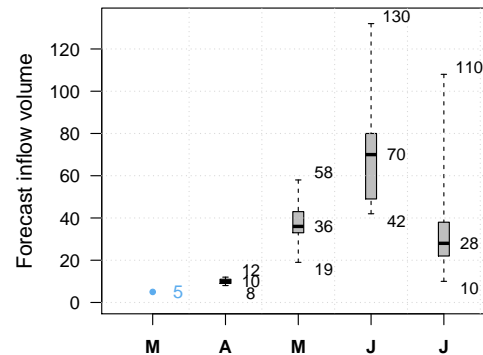
Safe Town



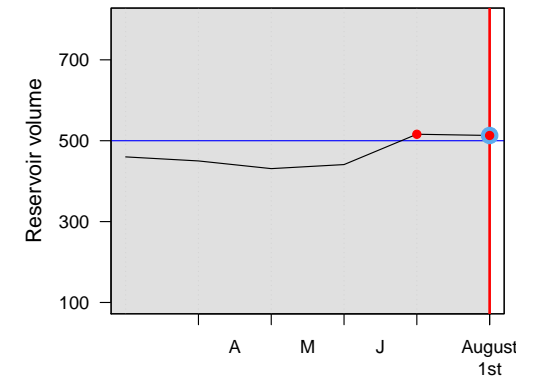
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

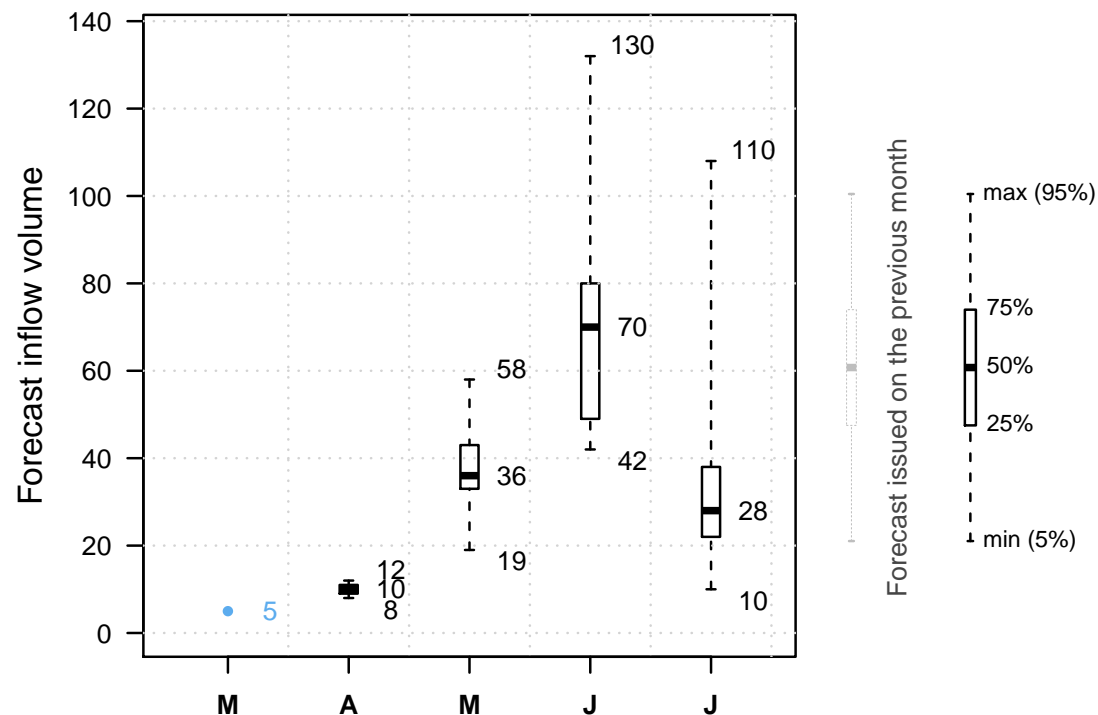


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

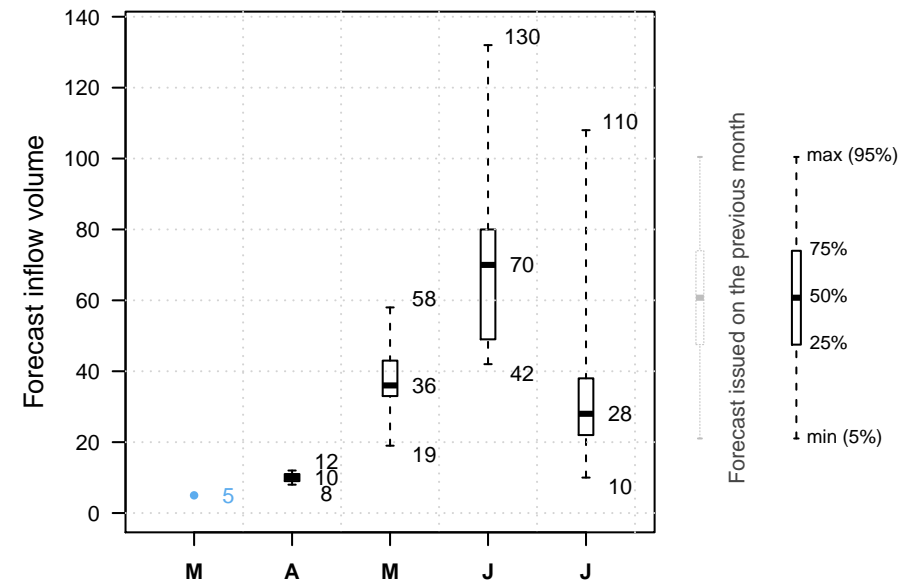
**NEXT**



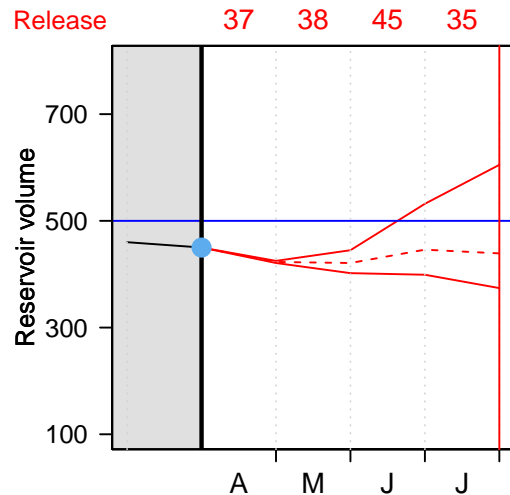
It is April 1st.

And our volunteer?

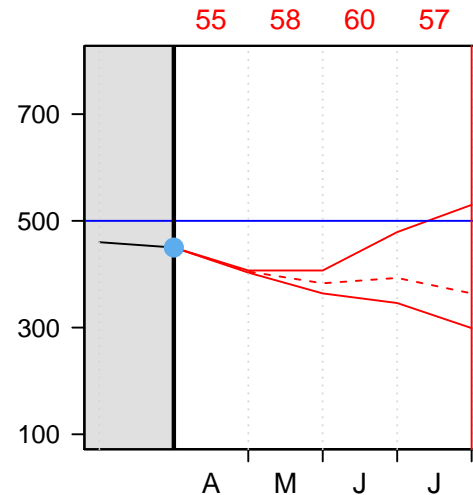
Let's see which release option our volunteer will choose.



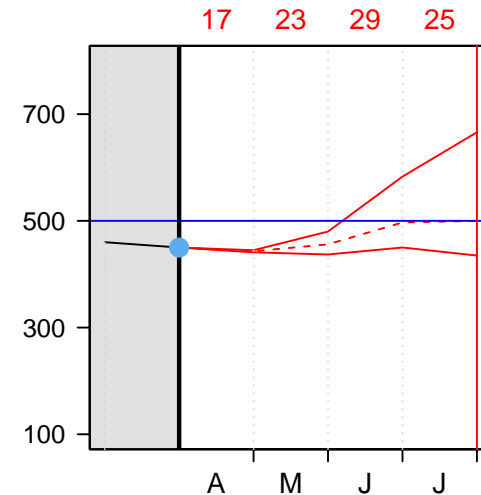
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

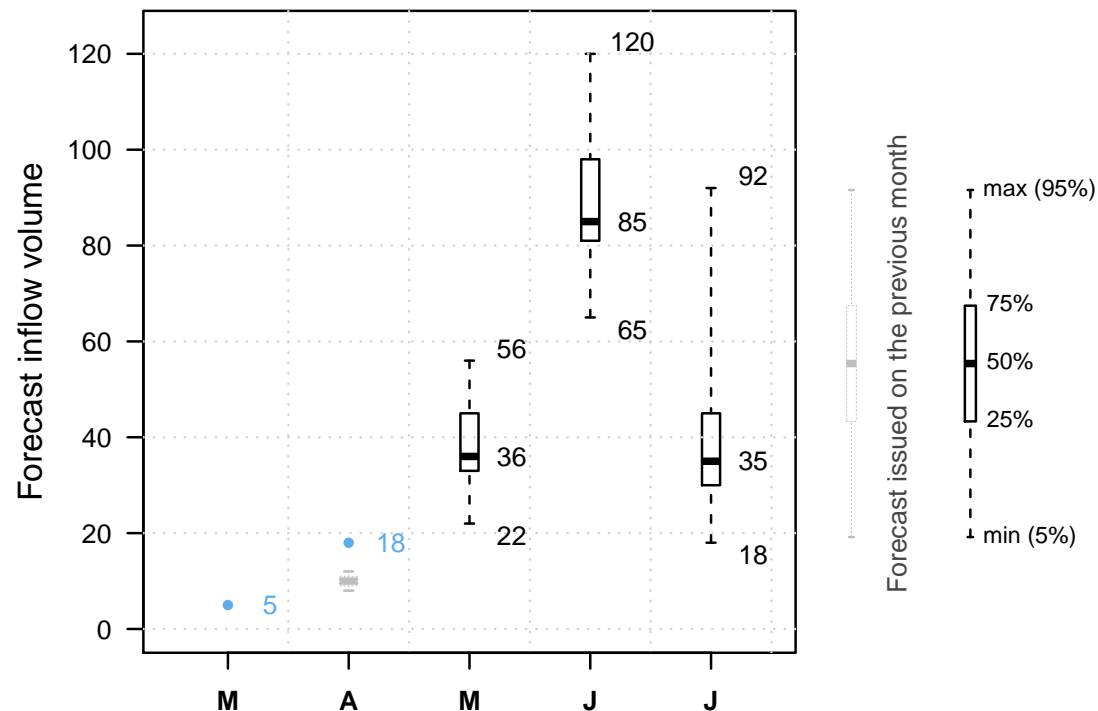


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

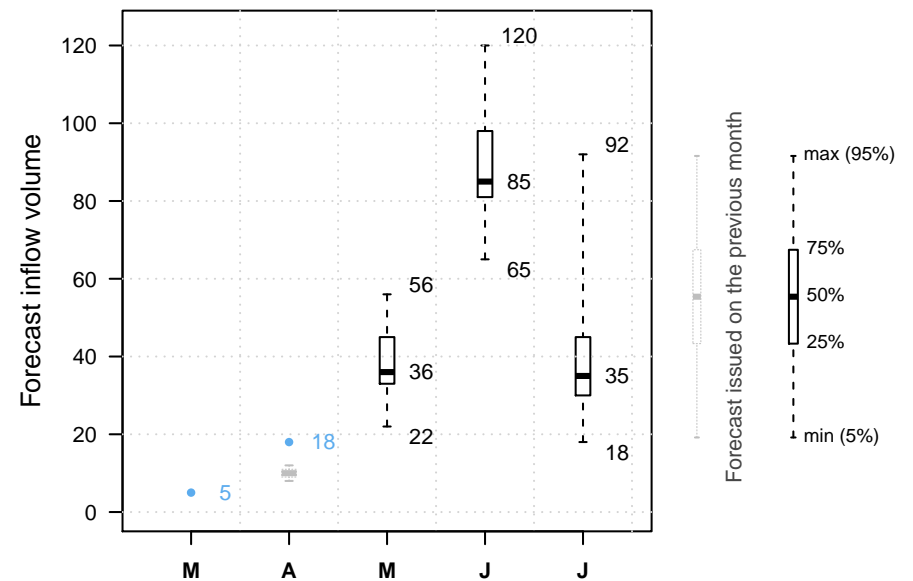
Previous decisions: B



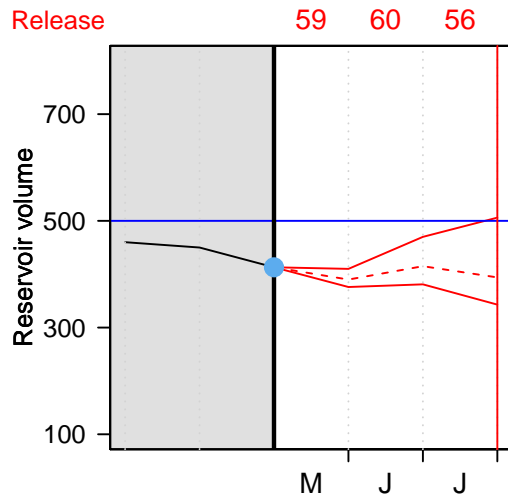
It is May 1st.

And our volunteer?

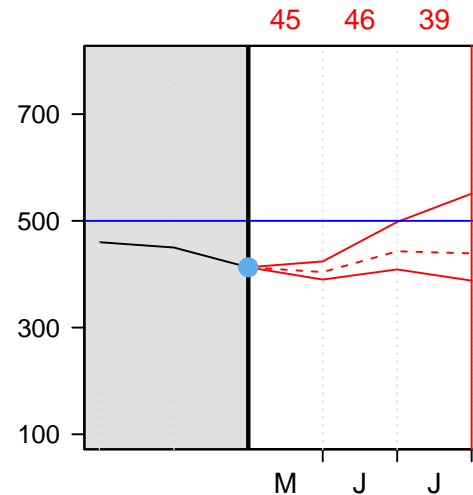
Let's see which release option our volunteer will choose.



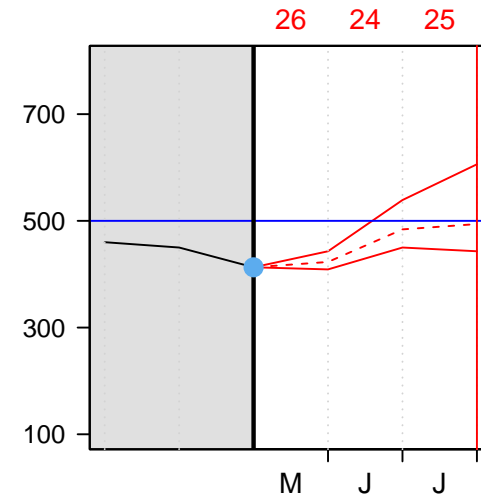
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

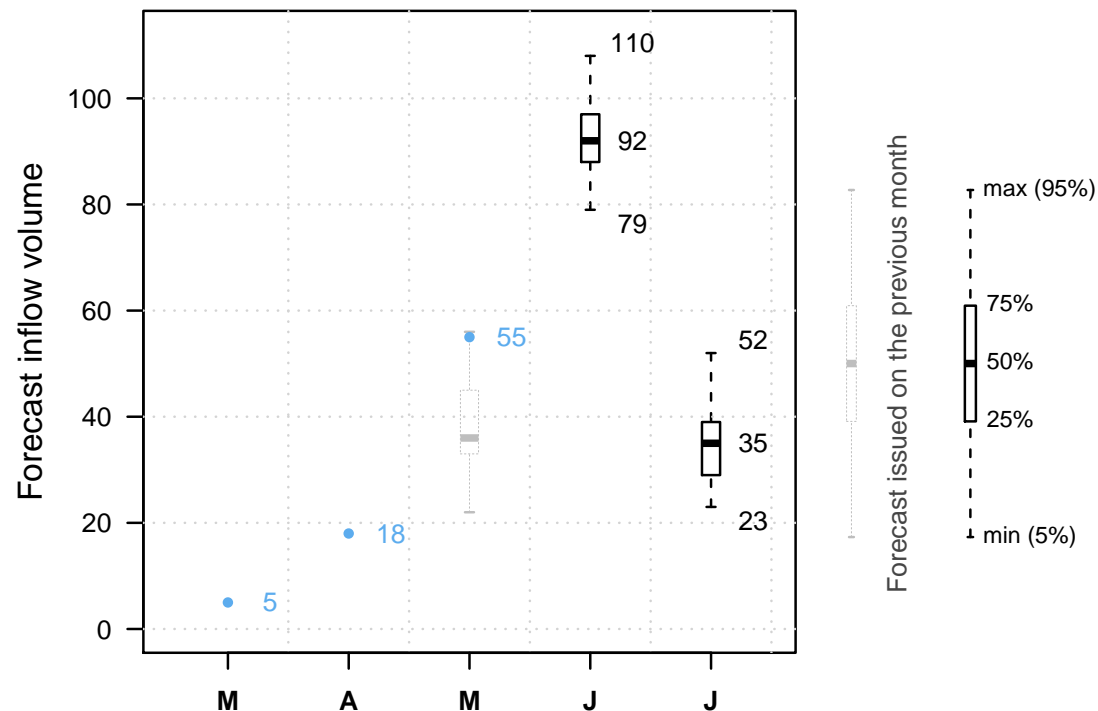


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

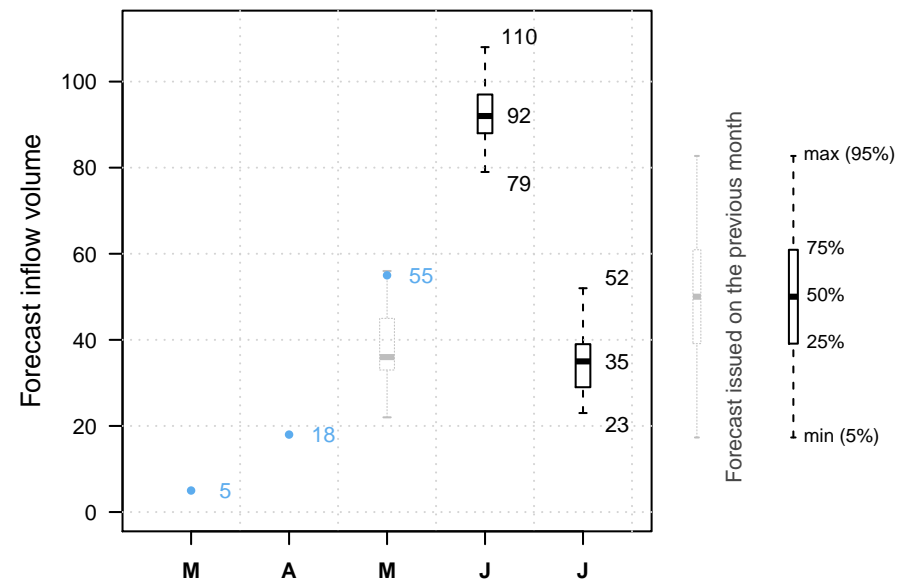
Previous decisions: B B



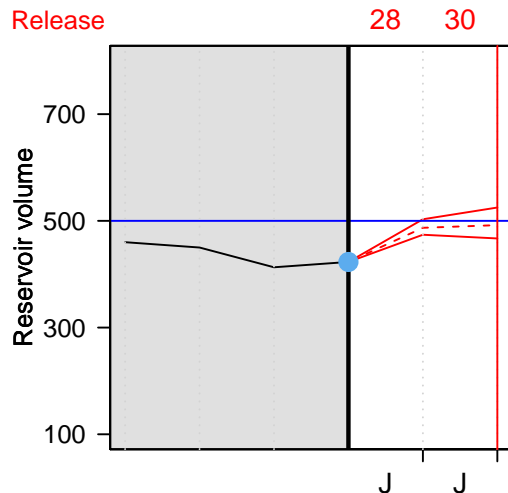
It is June 1st.

And our volunteer?

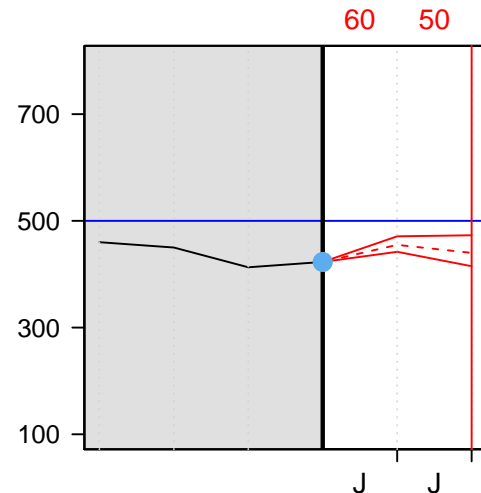
Let's see which release option our volunteer will choose.



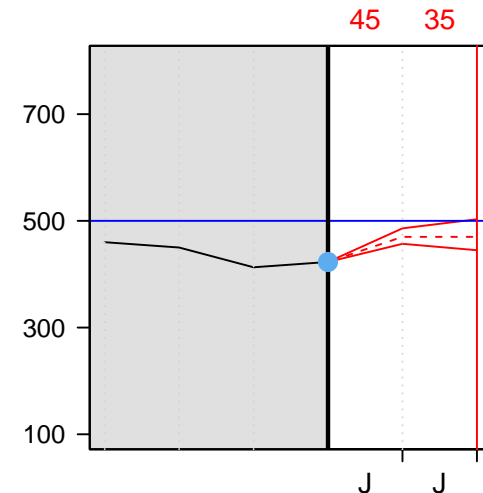
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

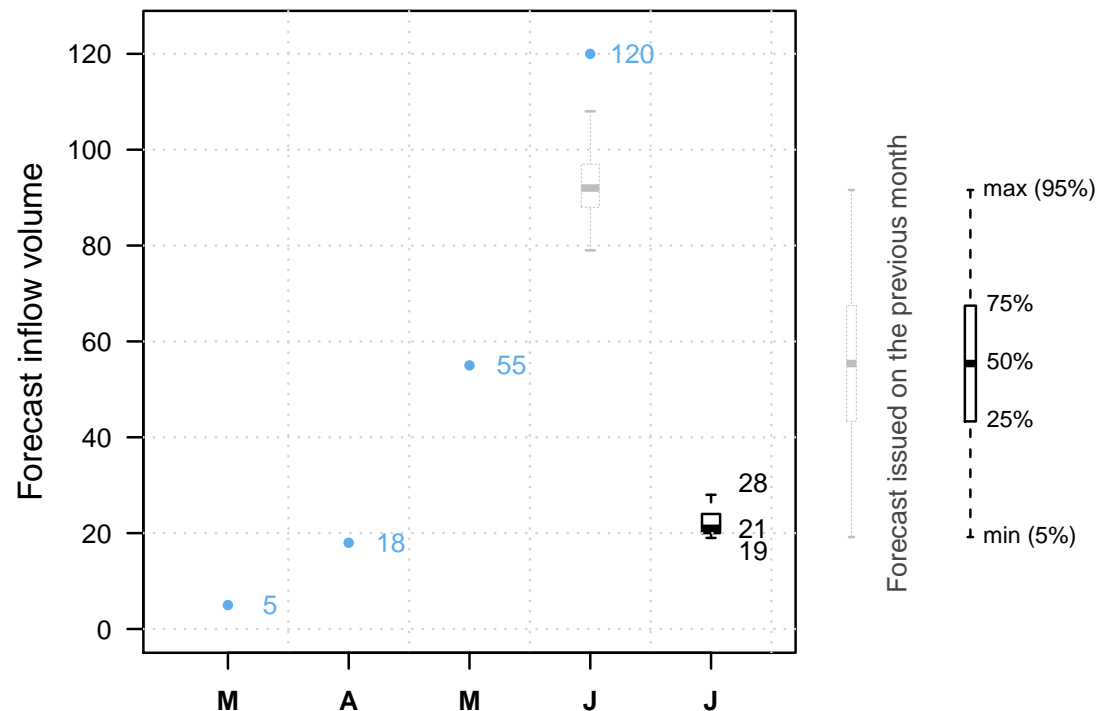


It is July 1st.

The reservoir is at 498  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

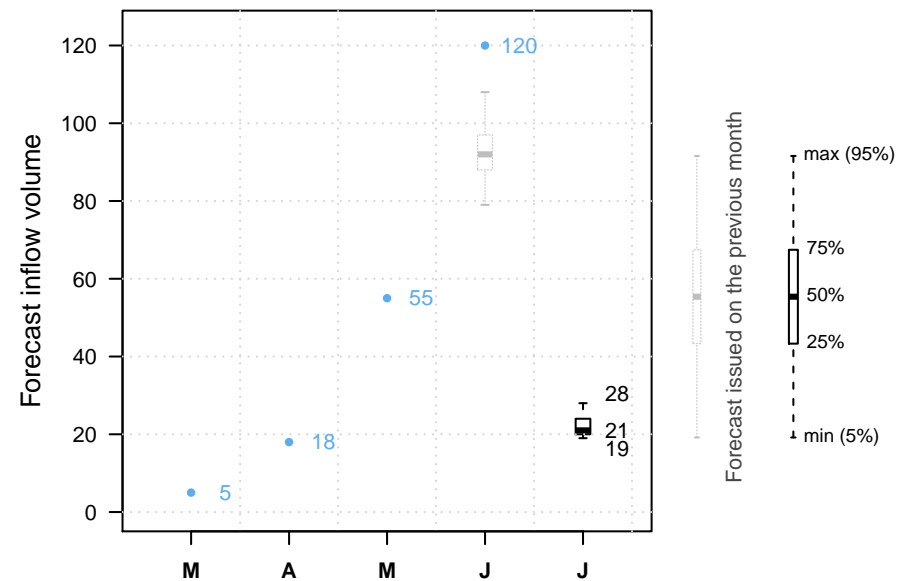
Previous decisions: B B C



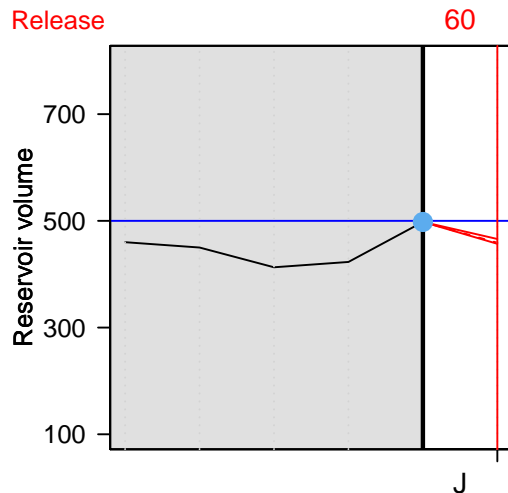
It is July 1st.

And our volunteer?

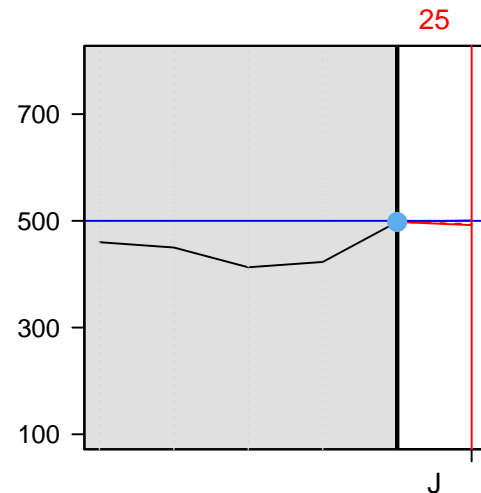
Let's see which release option our volunteer will choose.



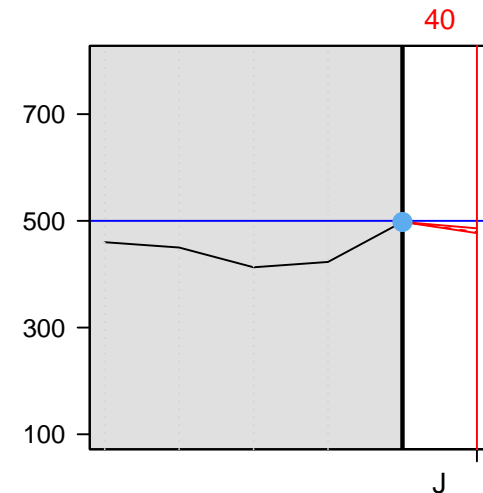
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$498 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 495 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

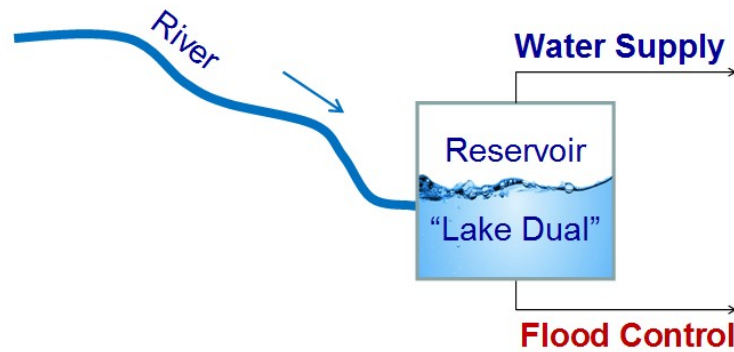
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



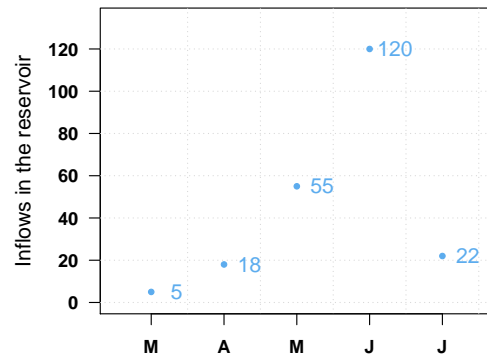
Swof Town



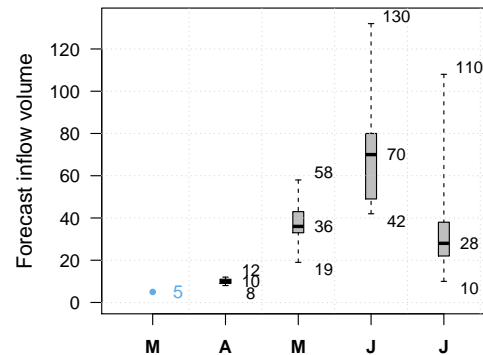
Safe Town



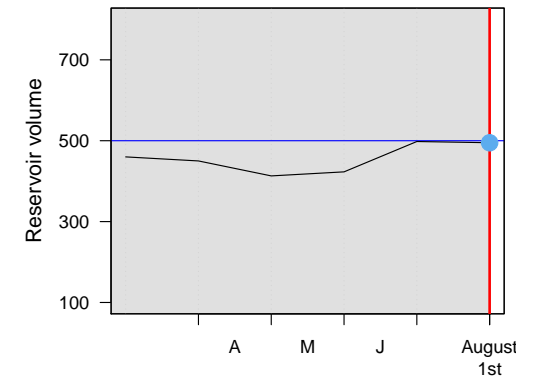
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

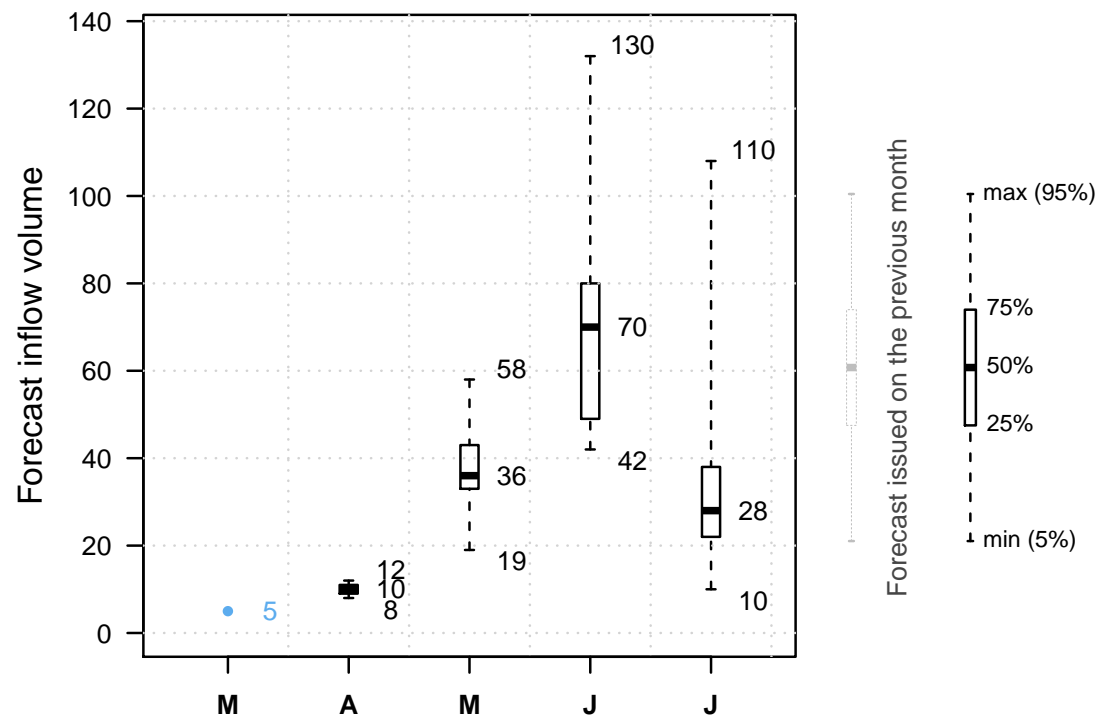


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

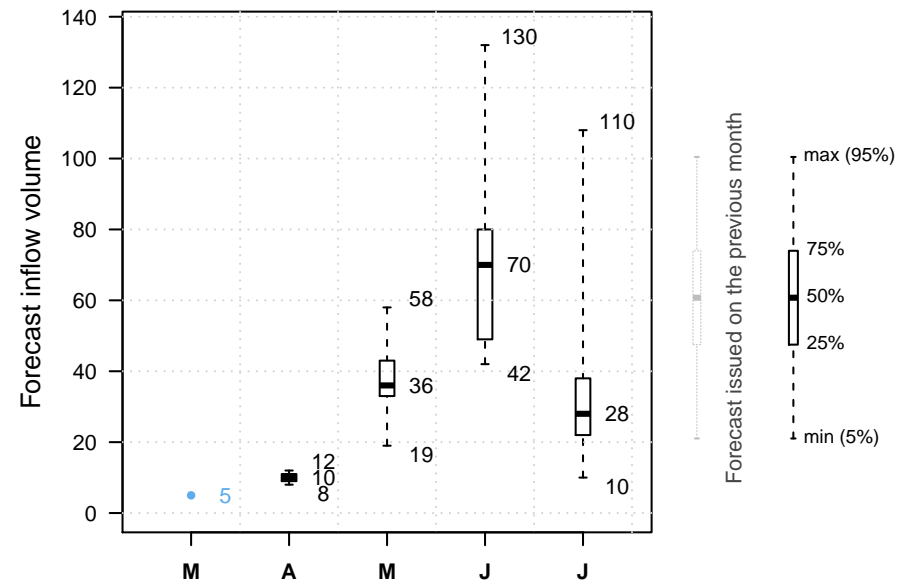
NEXT



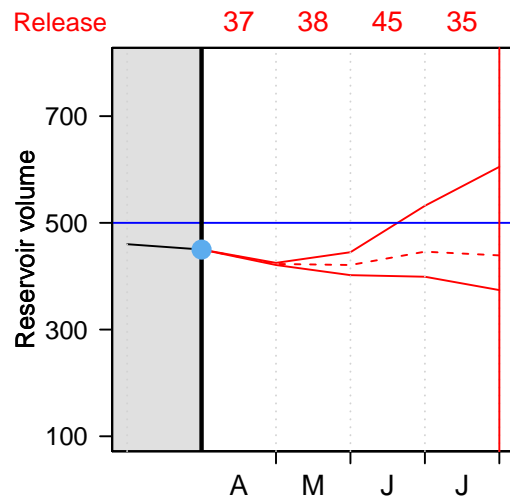
It is April 1st.

And our volunteer?

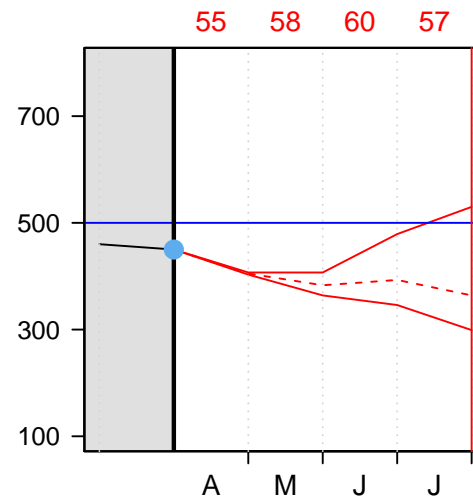
Let's see which release option our volunteer will choose.



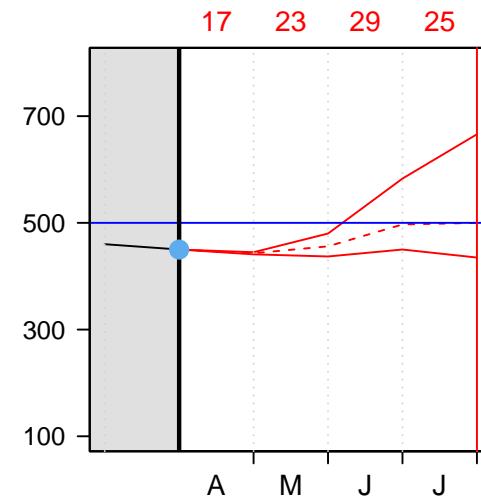
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

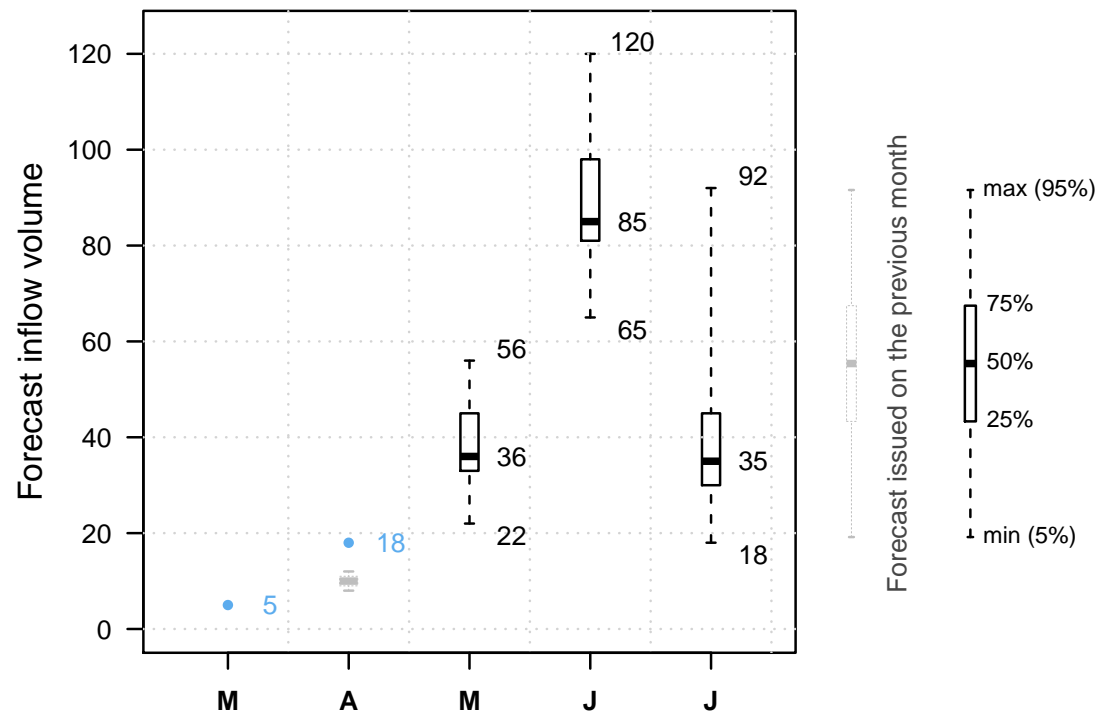


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

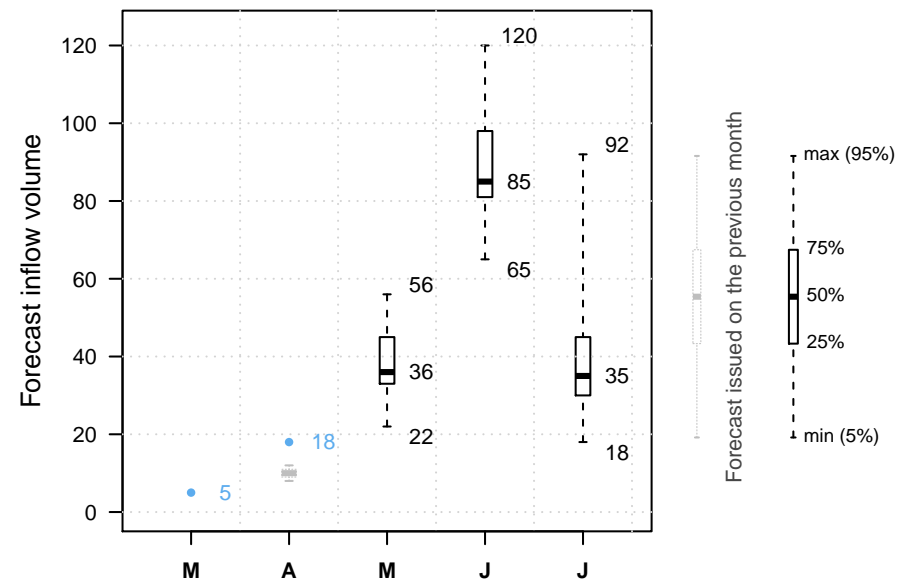
Previous decisions: C



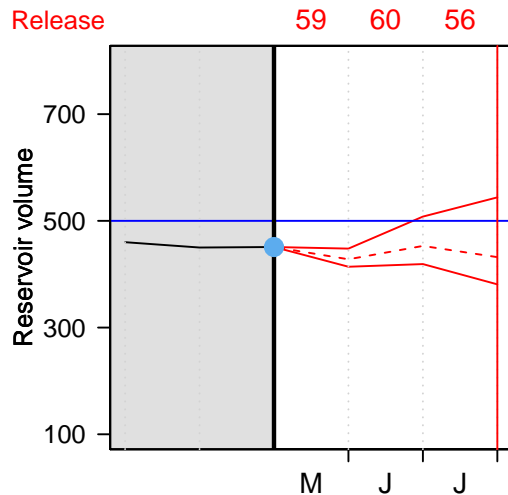
It is May 1st.

And our volunteer?

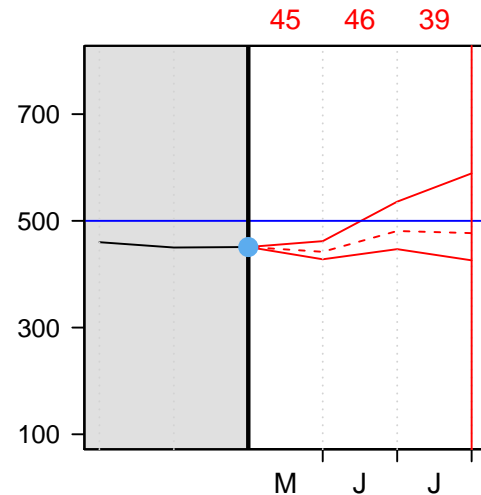
Let's see which release option our volunteer will choose.



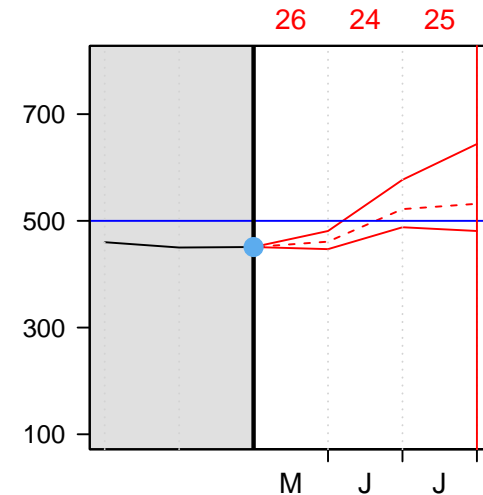
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

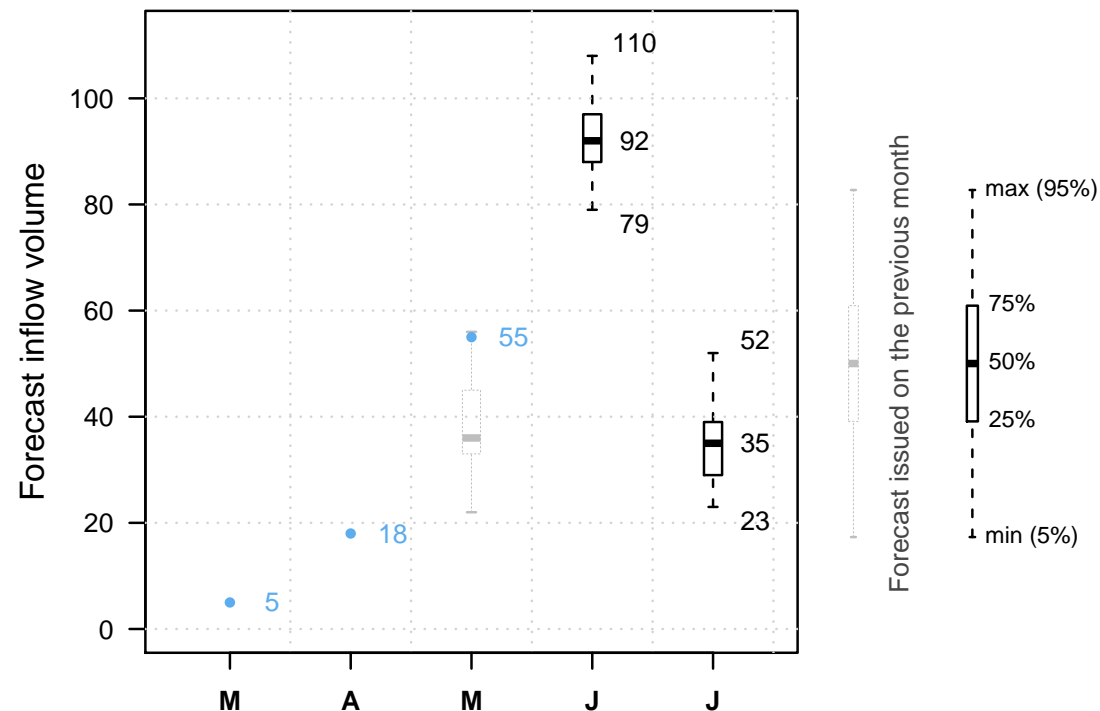


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

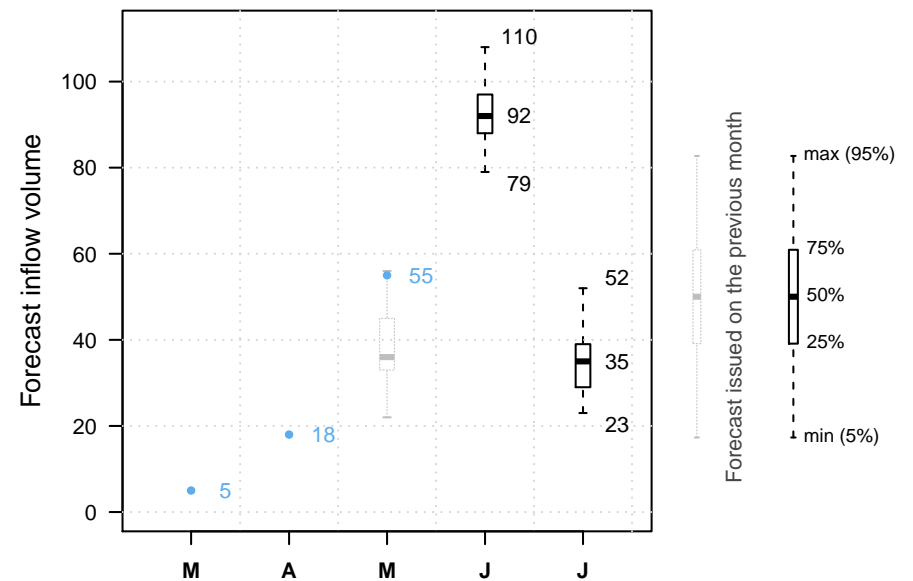
Previous decisions: C B



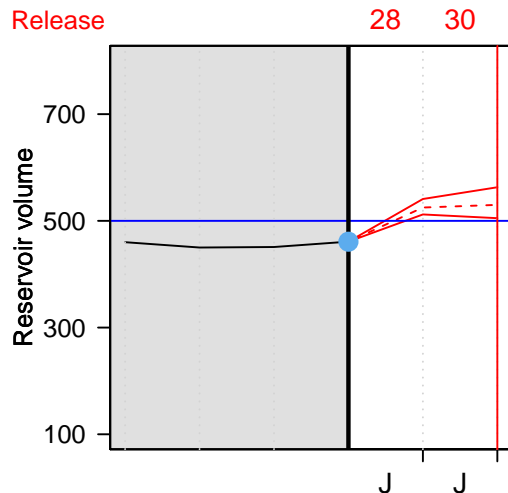
It is June 1st.

And our volunteer?

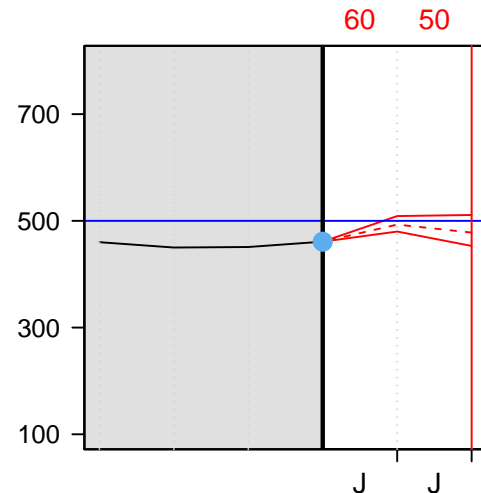
Let's see which release option our volunteer will choose.



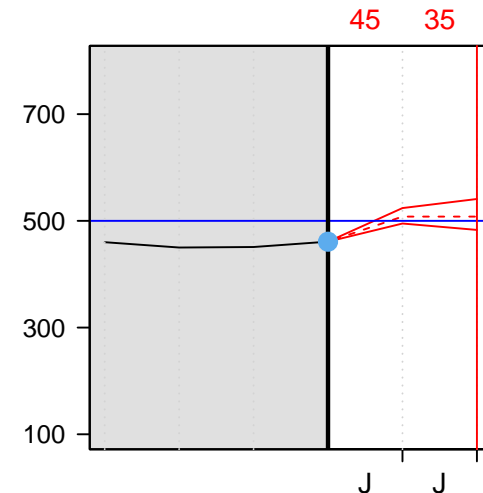
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 536 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

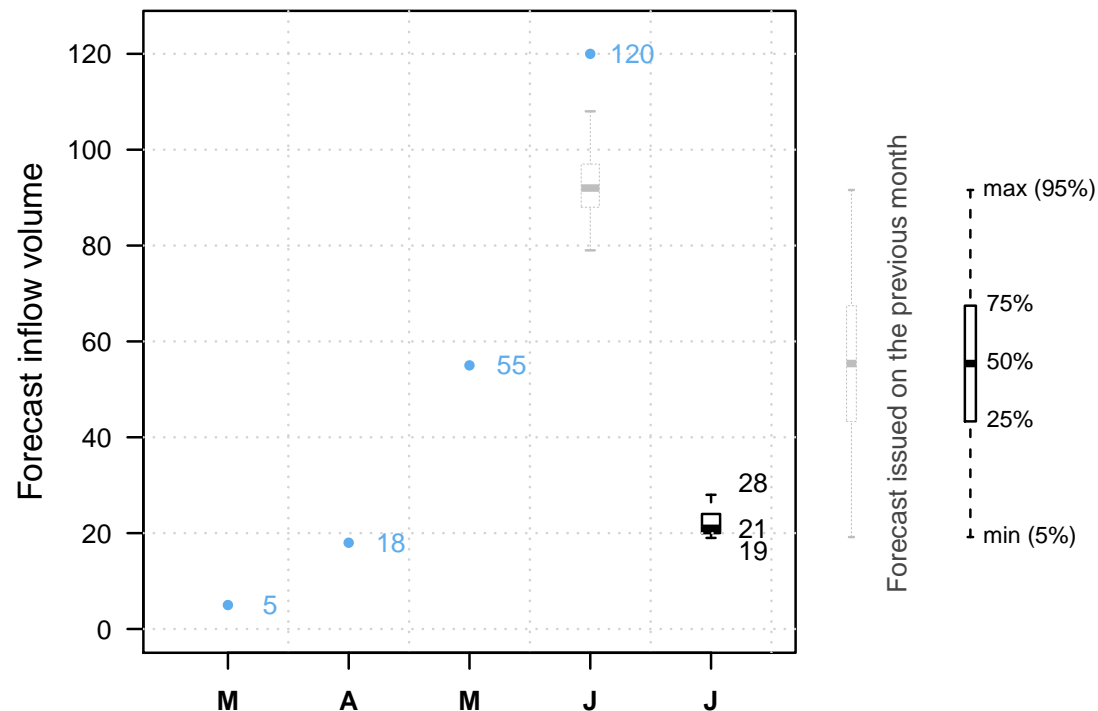


It is July 1st.

The reservoir is at 536  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

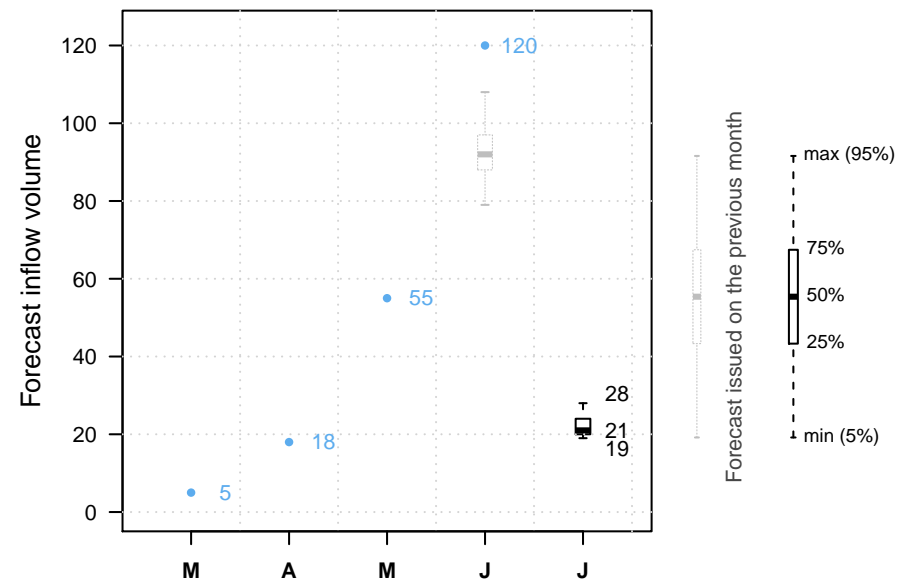
Previous decisions: C B C



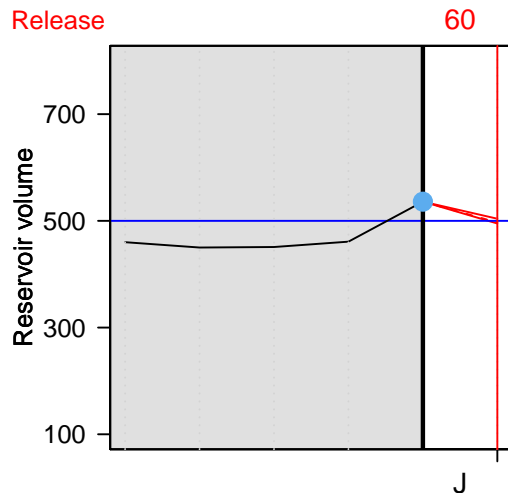
It is July 1st.

And our volunteer?

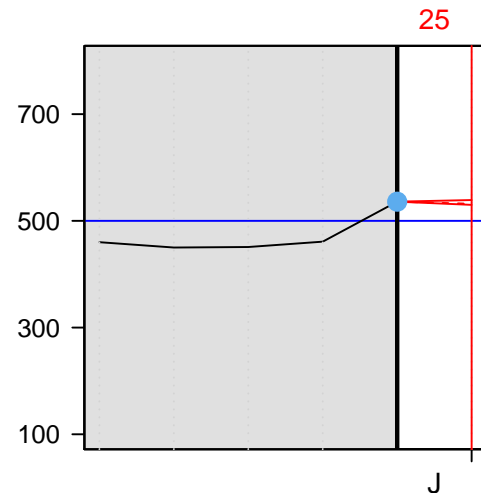
Let's see which release option our volunteer will choose.



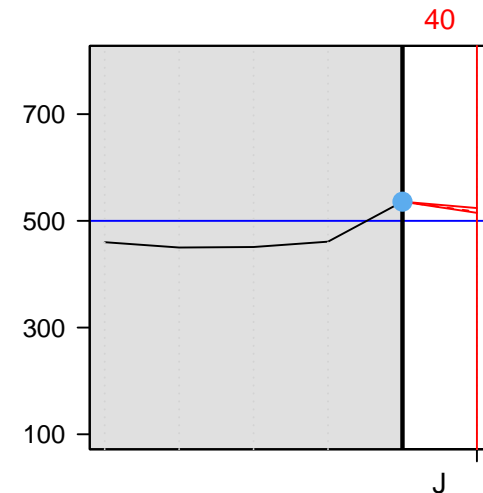
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$536 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 533 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

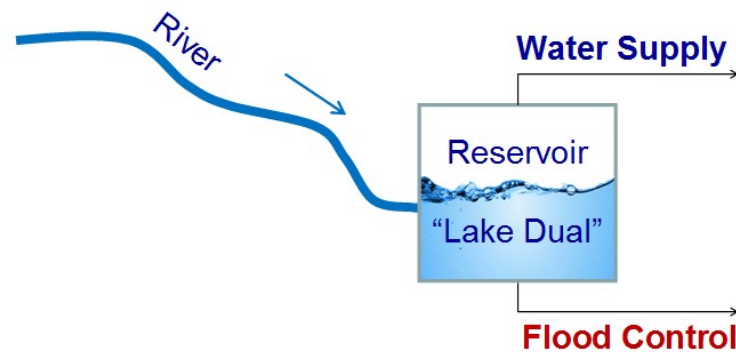
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



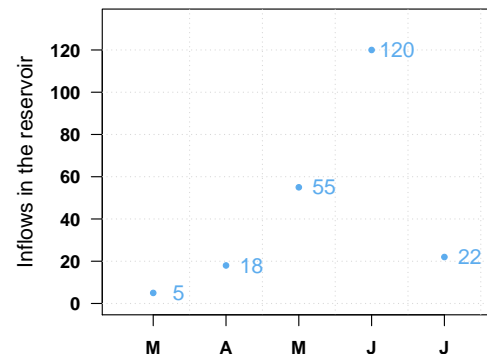
Swof Town



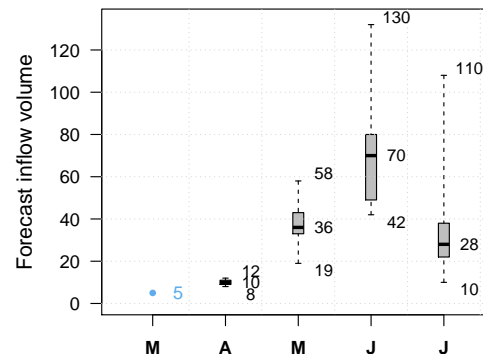
Safe Town



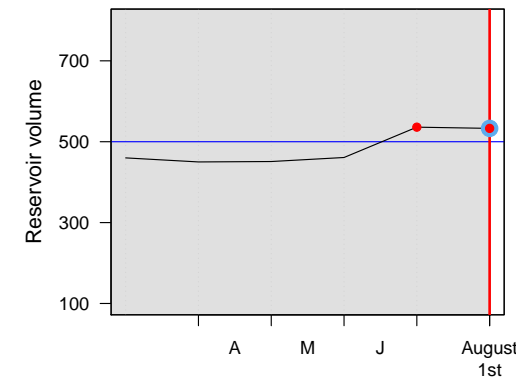
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

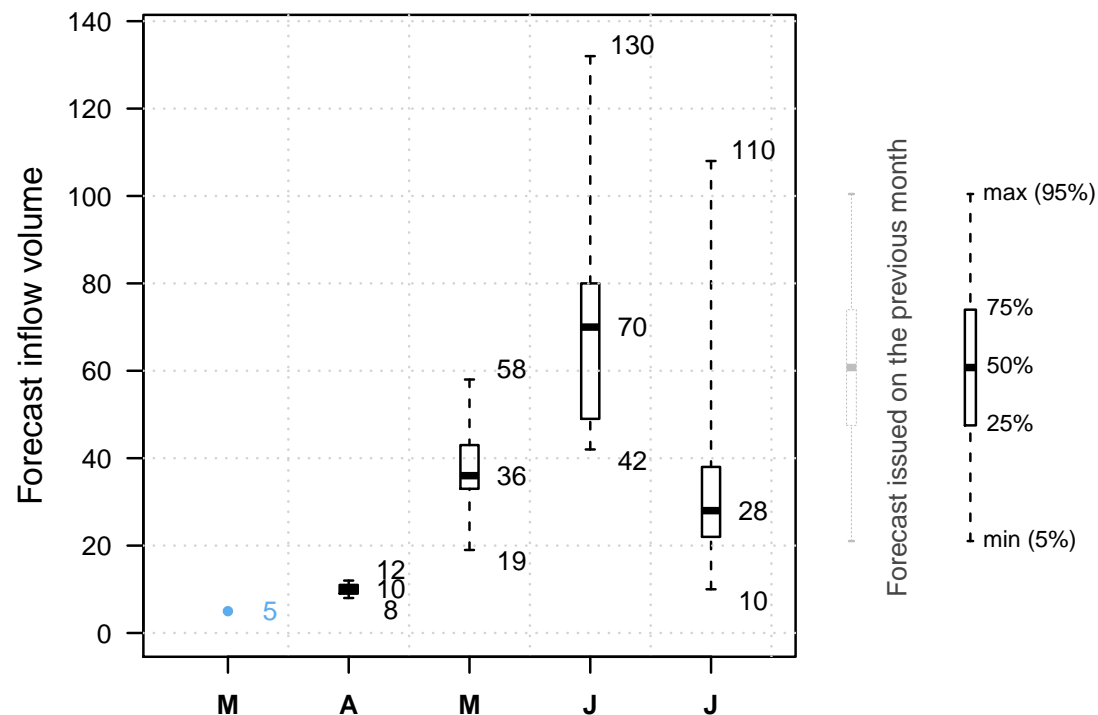


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

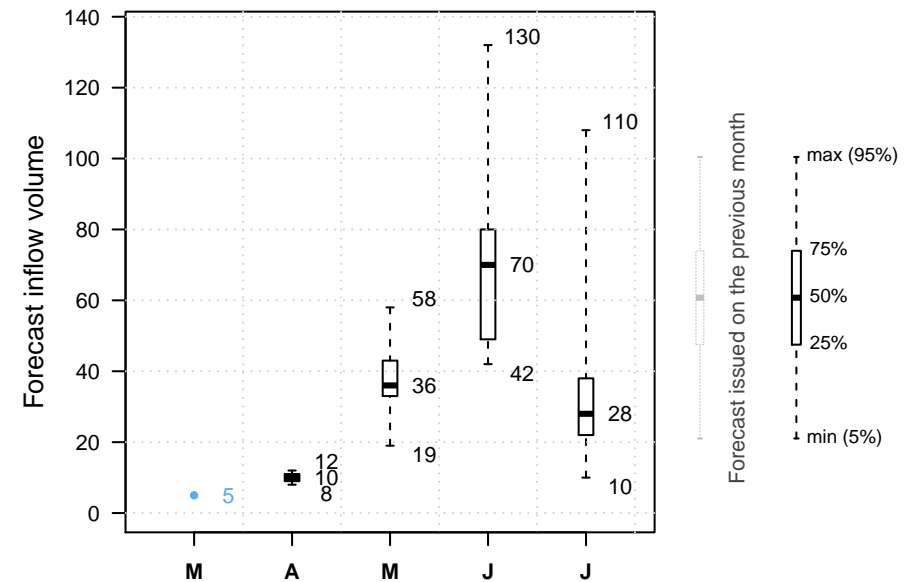




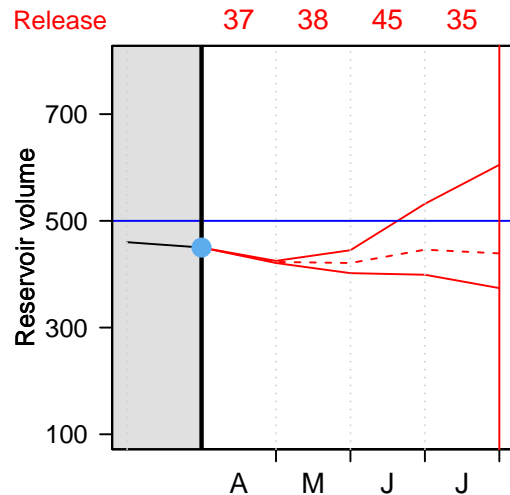
It is April 1st.

And our volunteer?

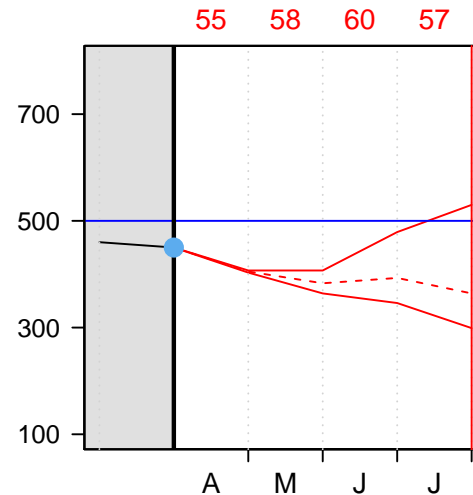
Let's see which release option our volunteer will choose.



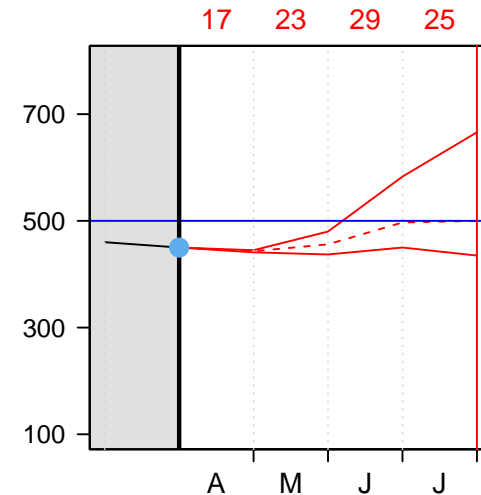
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

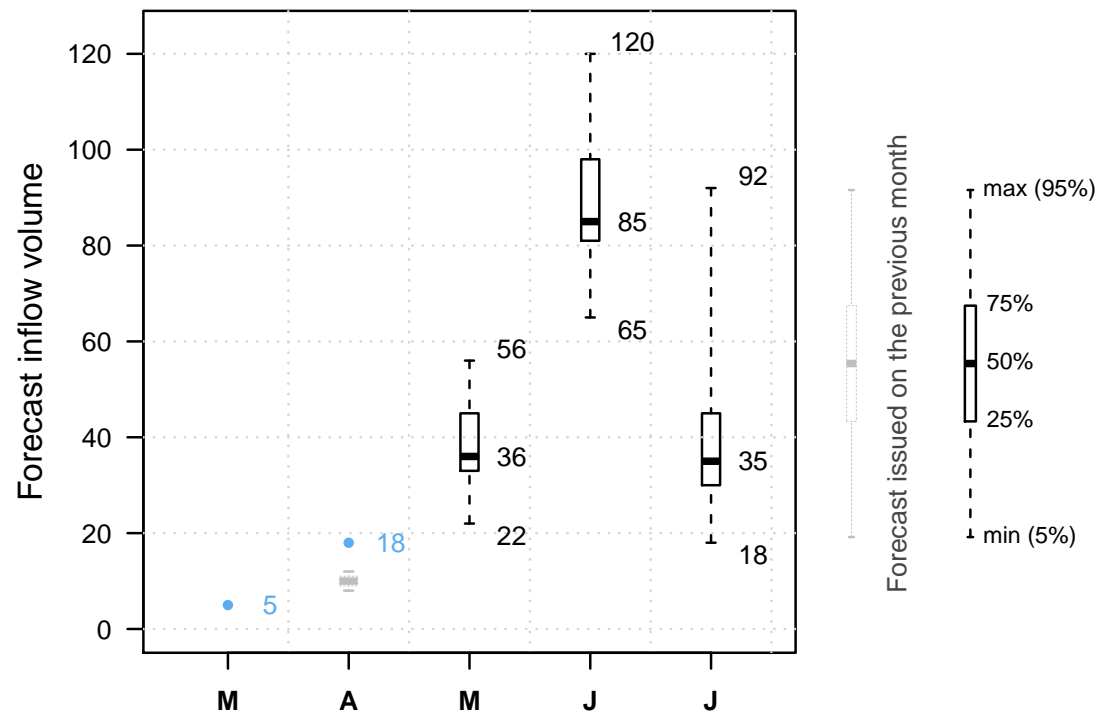


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

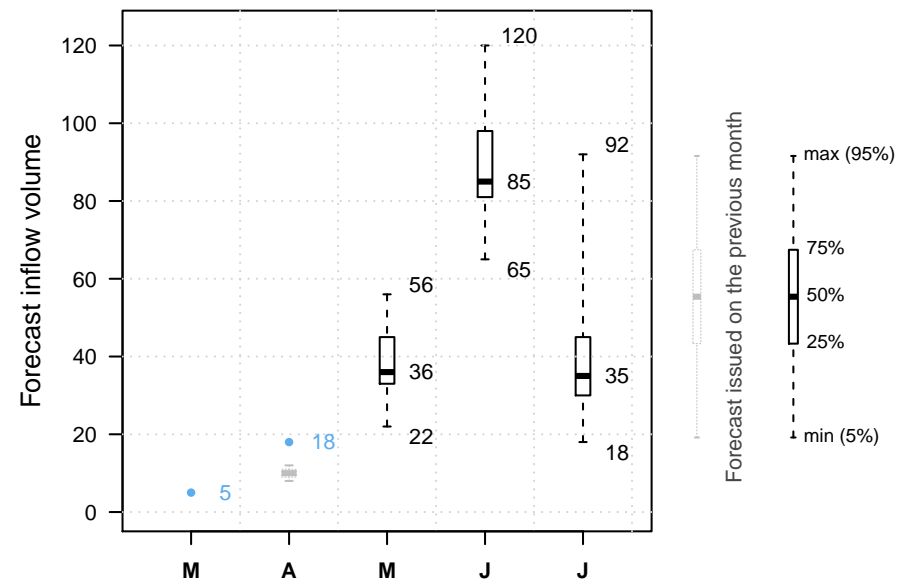
Previous decisions: A



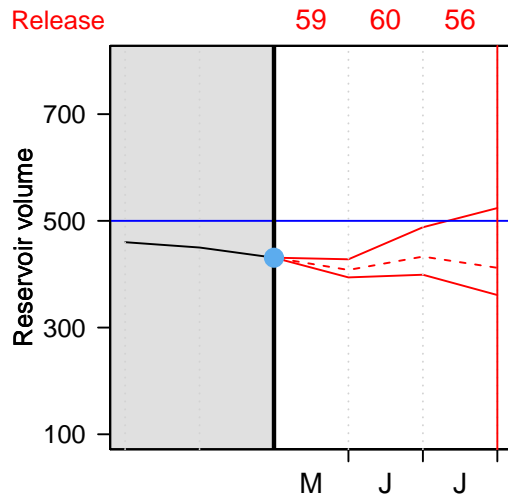
It is May 1st.

And our volunteer?

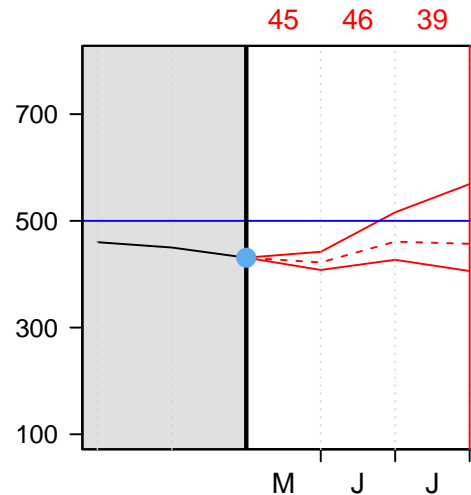
Let's see which release option our volunteer will choose.



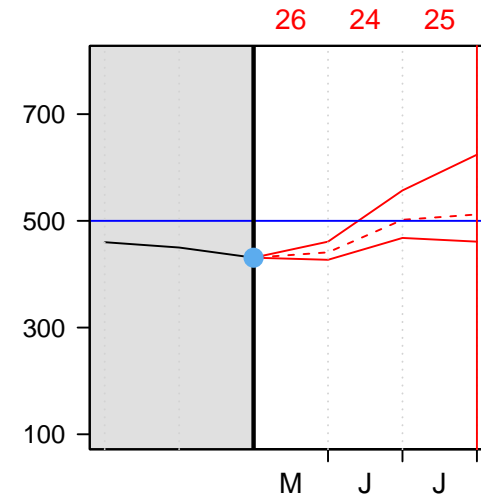
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

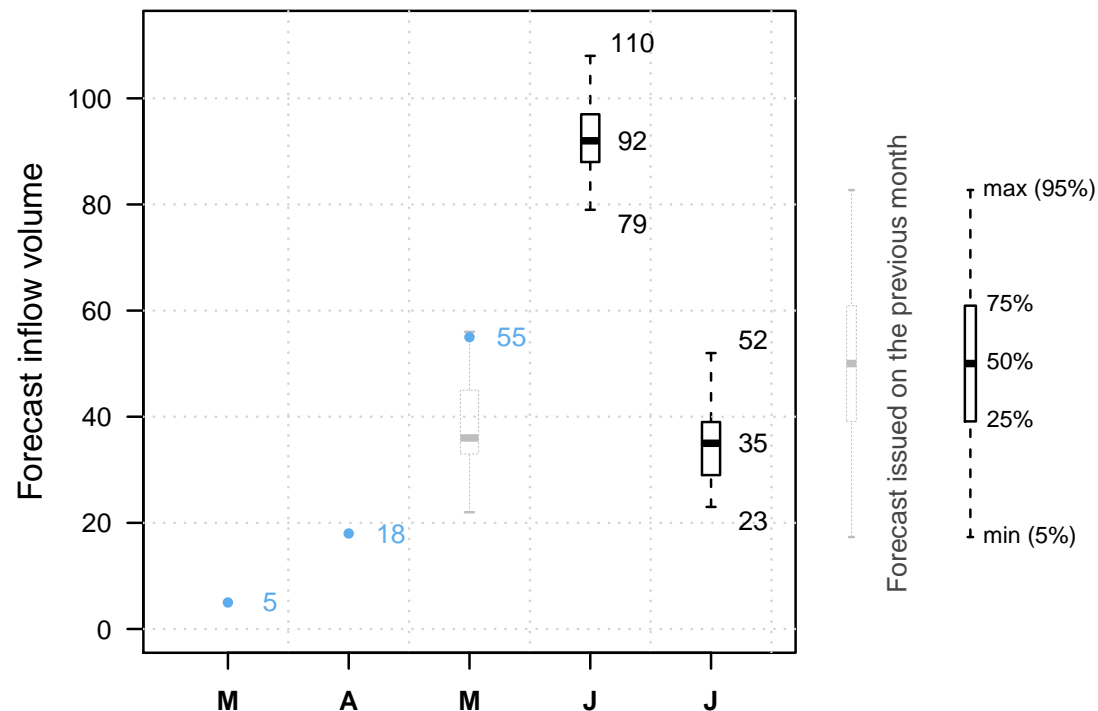


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



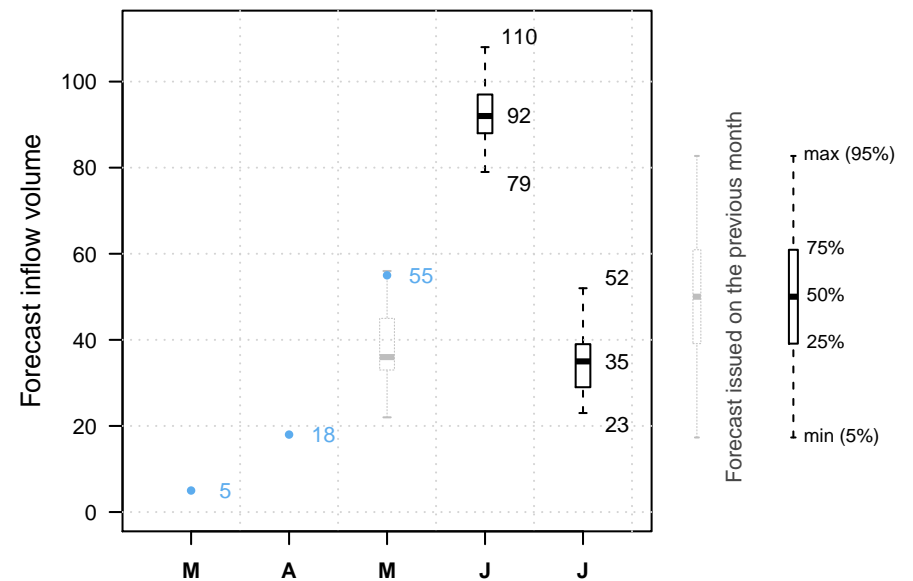
Previous decisions: A C



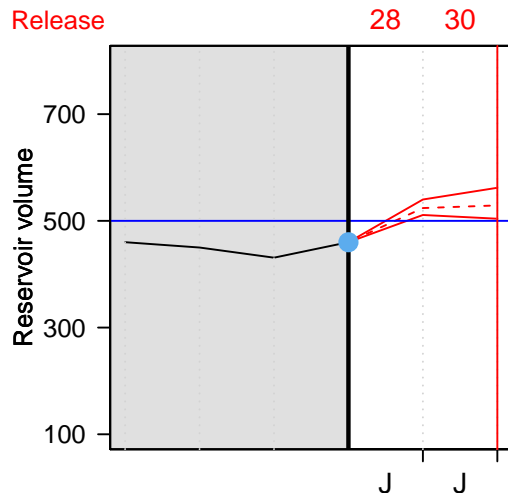
It is June 1st.

And our volunteer?

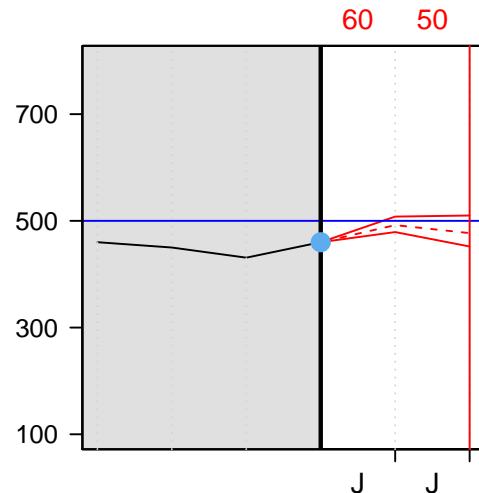
Let's see which release option our volunteer will choose.



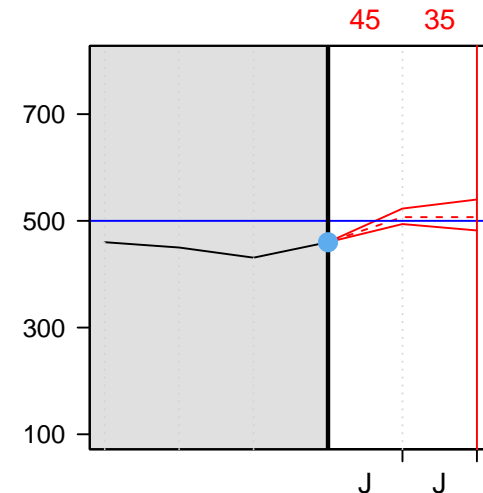
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 535 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

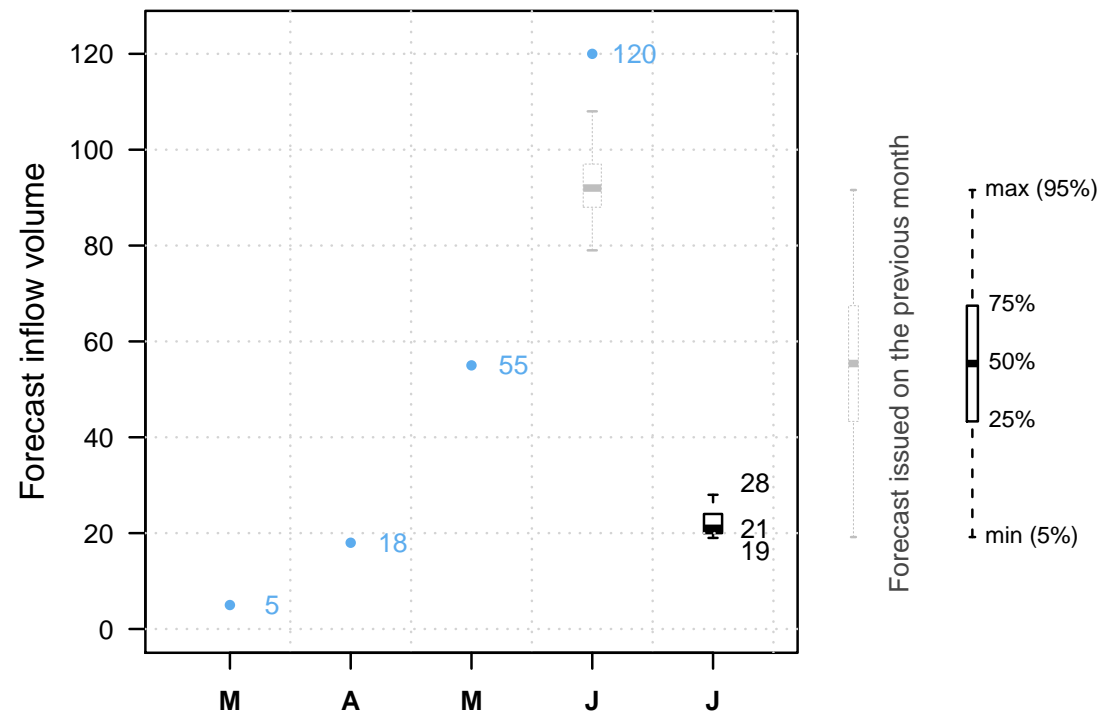


It is July 1st.

The reservoir is at 535  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

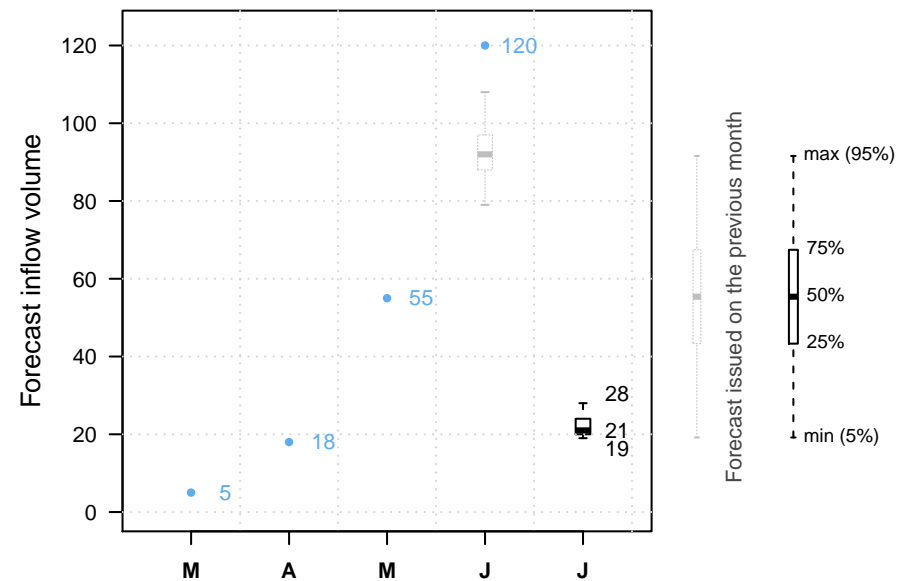
Previous decisions: A C C



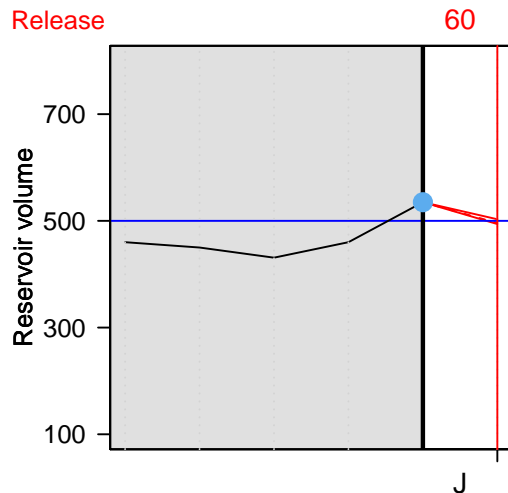
It is July 1st.

And our volunteer?

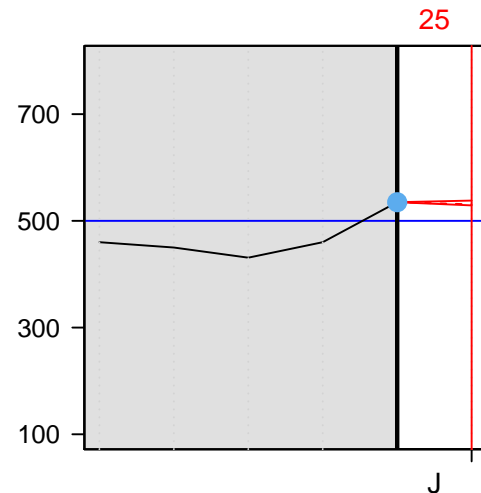
Let's see which release option our volunteer will choose.



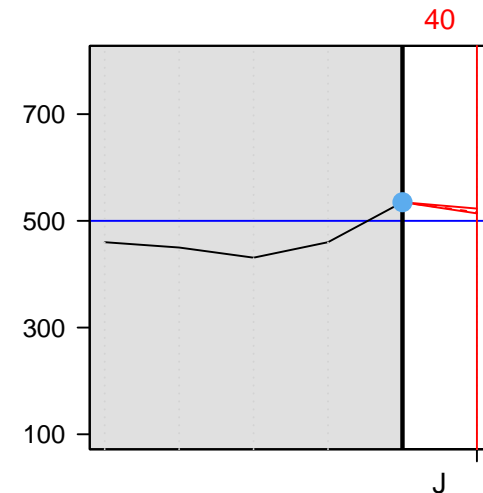
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$535 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 532 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

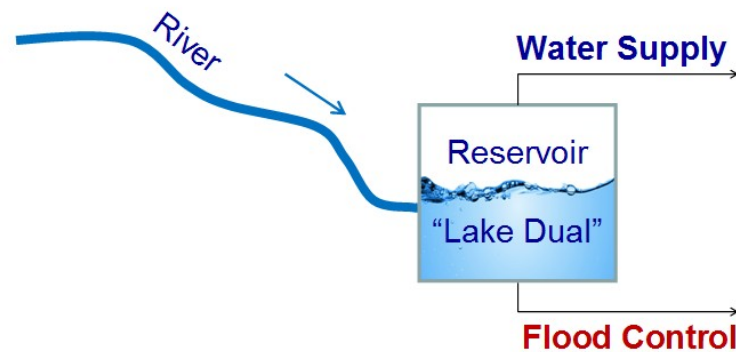
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



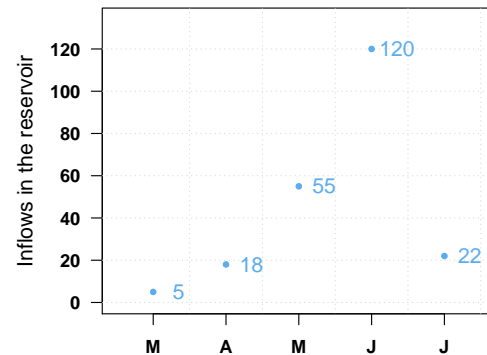
Swof Town



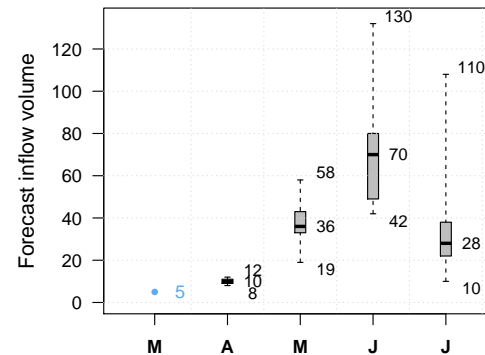
Safe Town



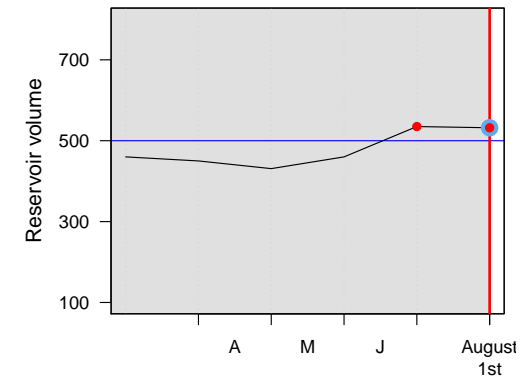
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



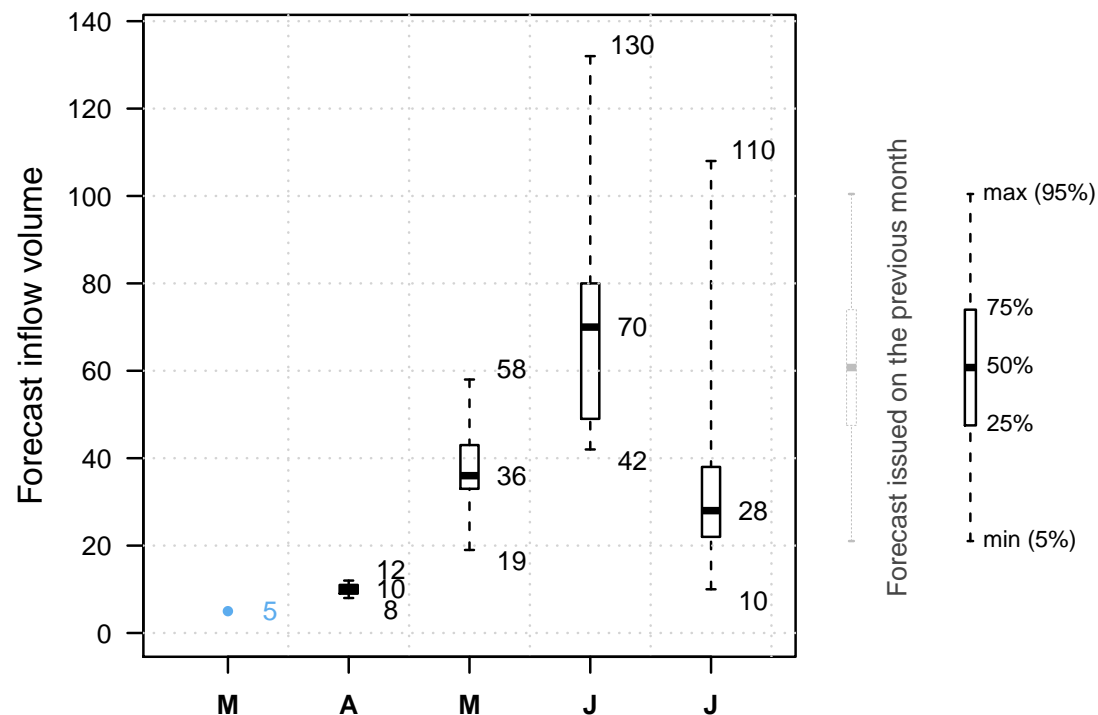


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

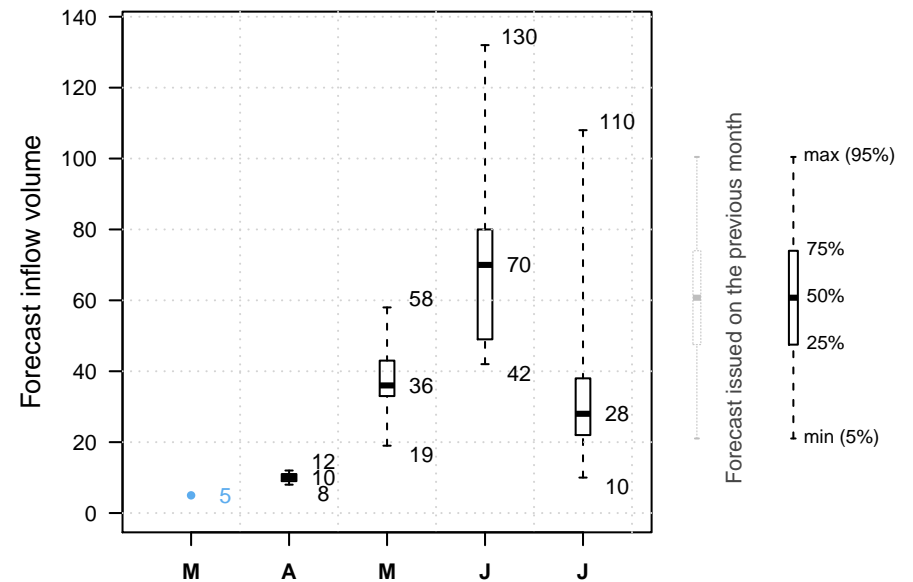
**NEXT**



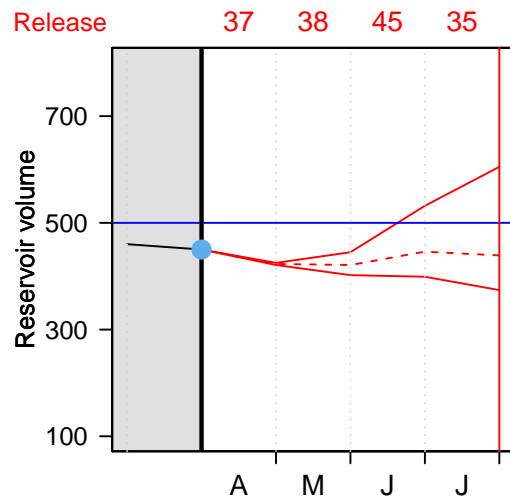
It is April 1st.

And our volunteer?

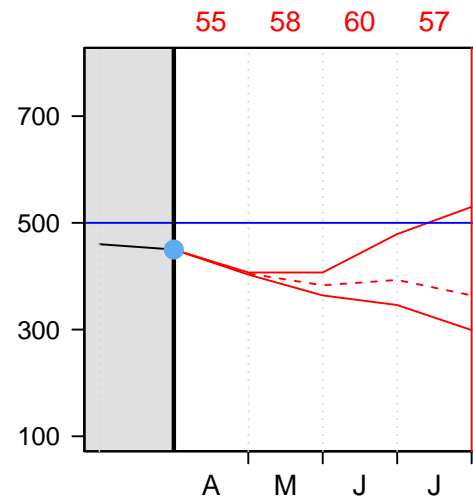
Let's see which release option our volunteer will choose.



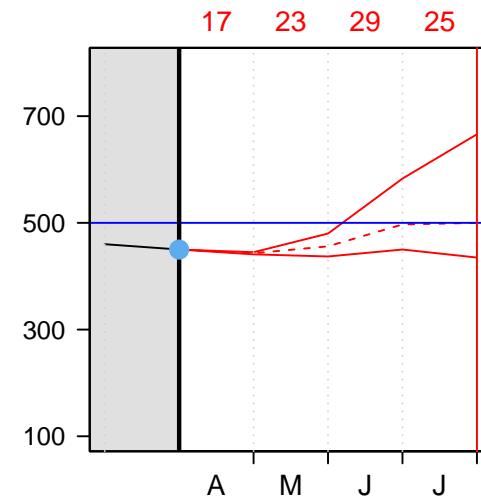
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

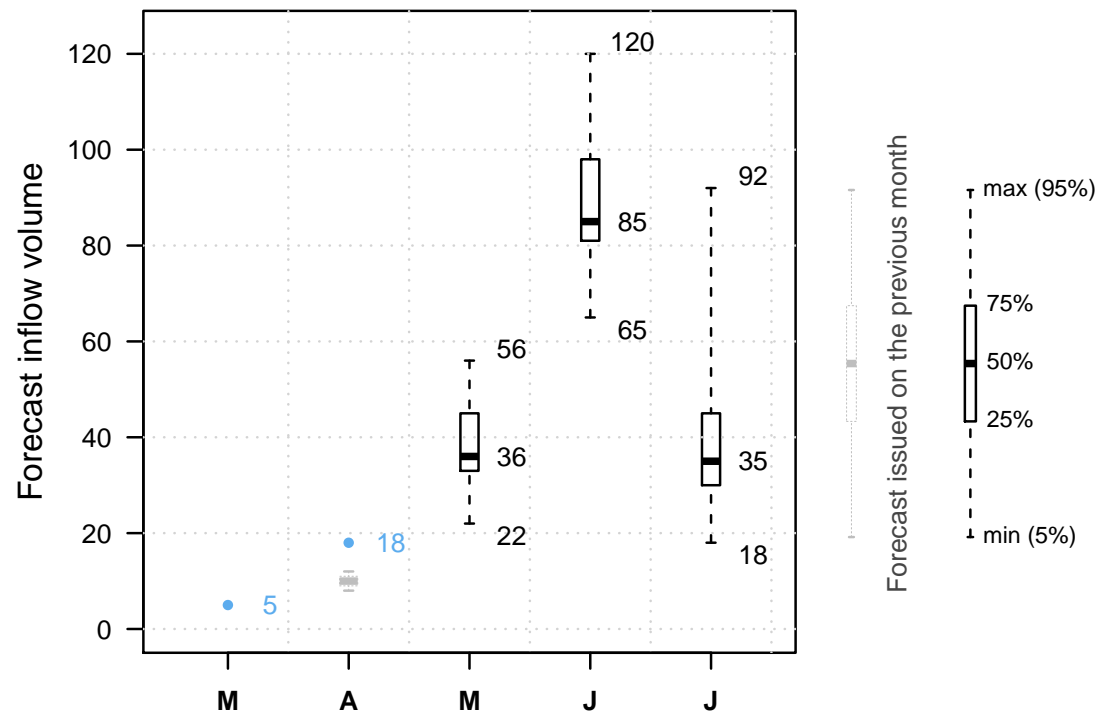


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

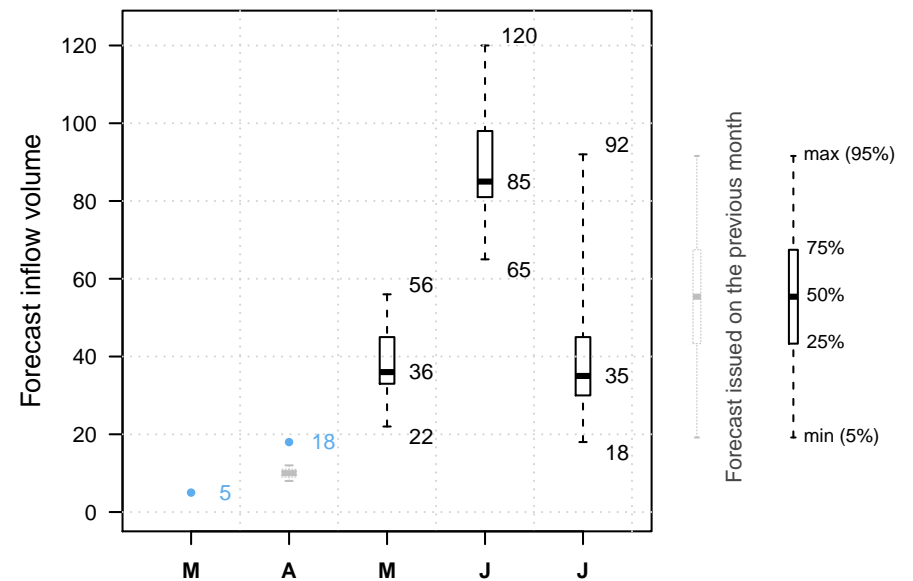
Previous decisions: B



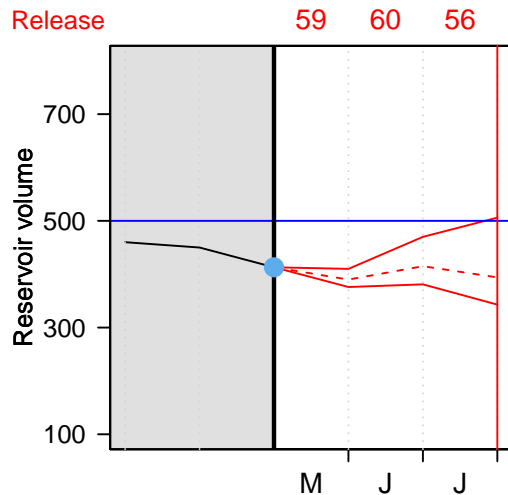
It is May 1st.

And our volunteer?

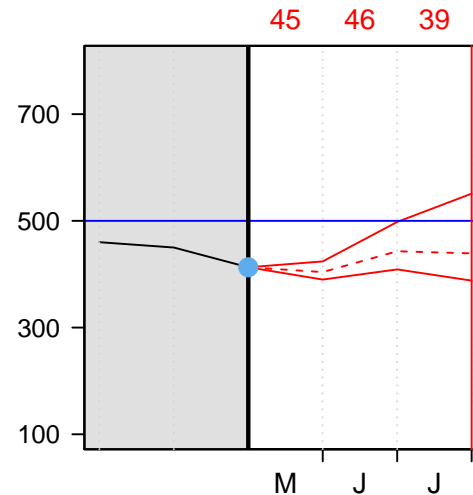
Let's see which release option our volunteer will choose.



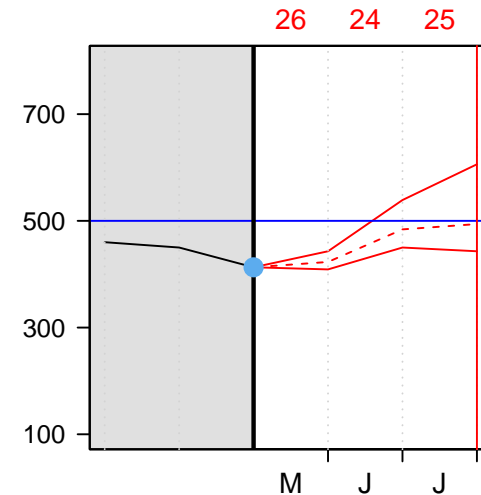
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



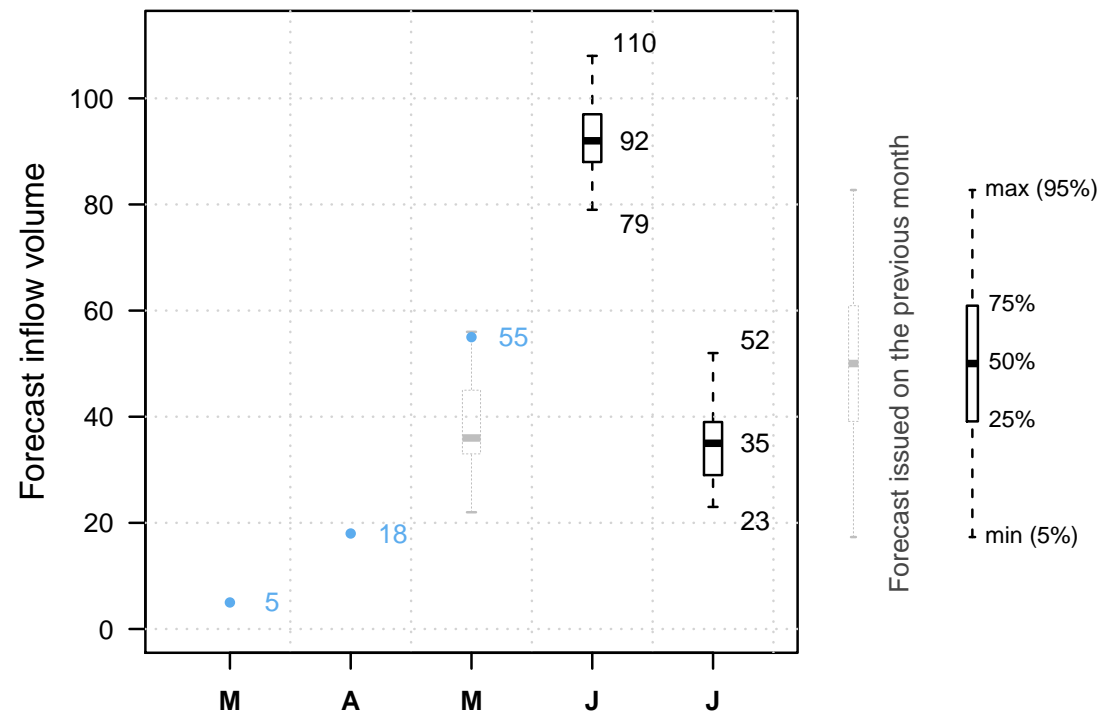


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

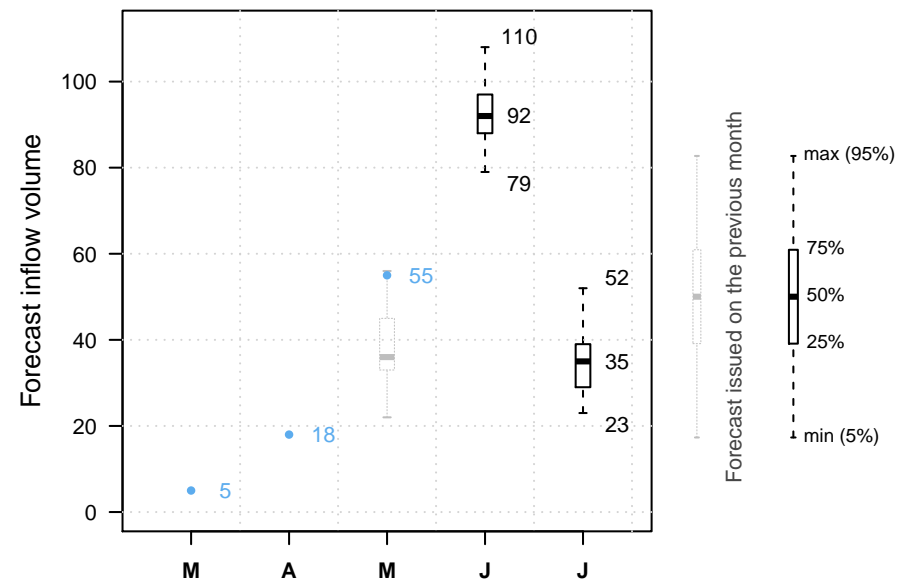
Previous decisions: B C



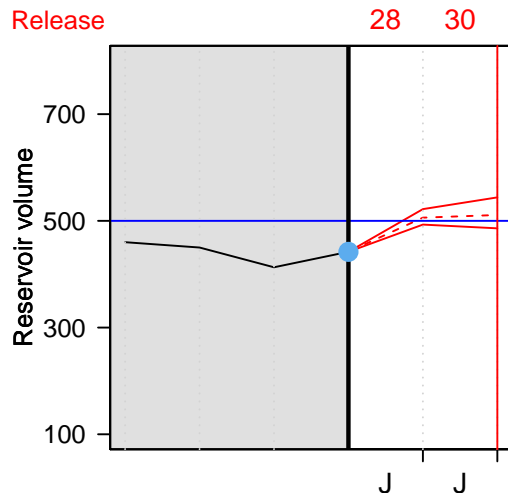
It is June 1st.

And our volunteer?

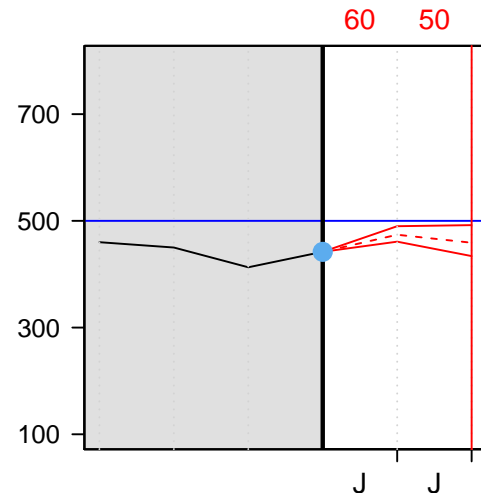
Let's see which release option our volunteer will choose.



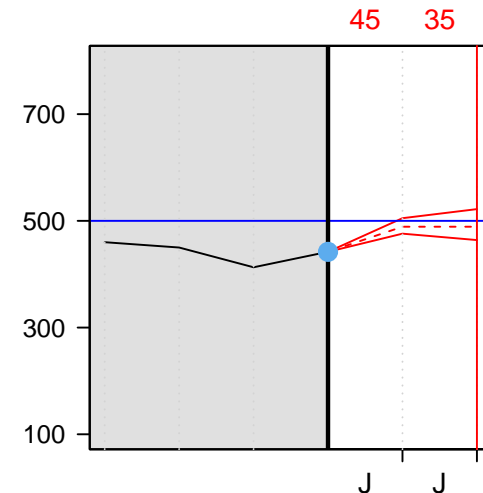
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

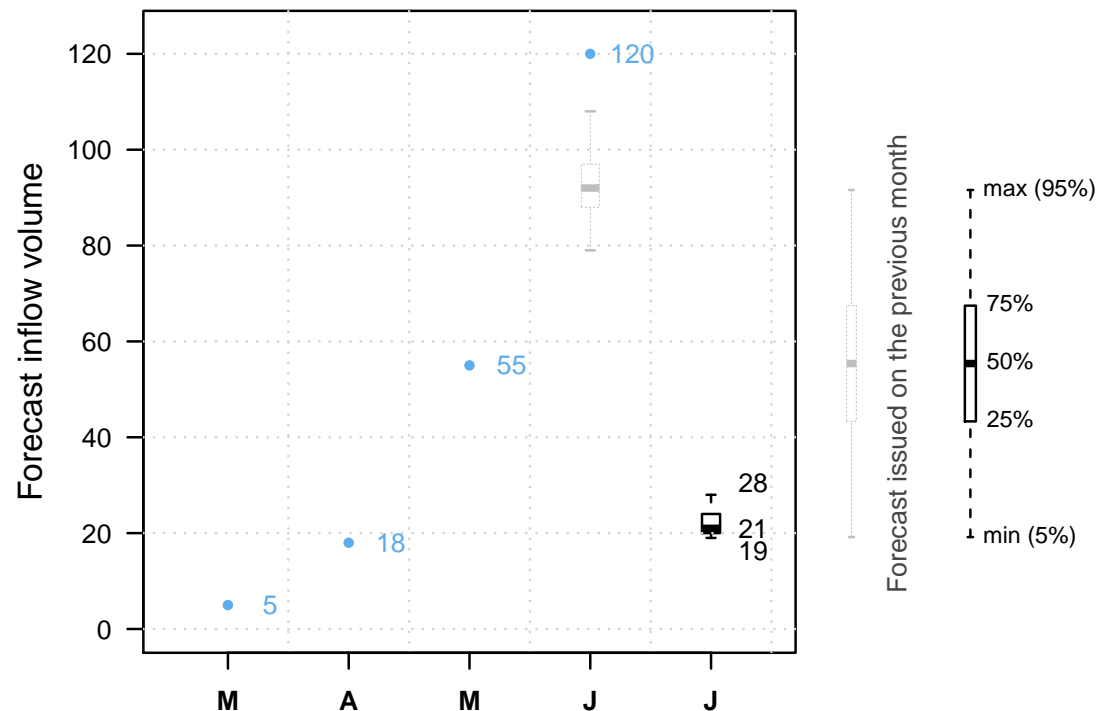


It is July 1st.

The reservoir is at  $517 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

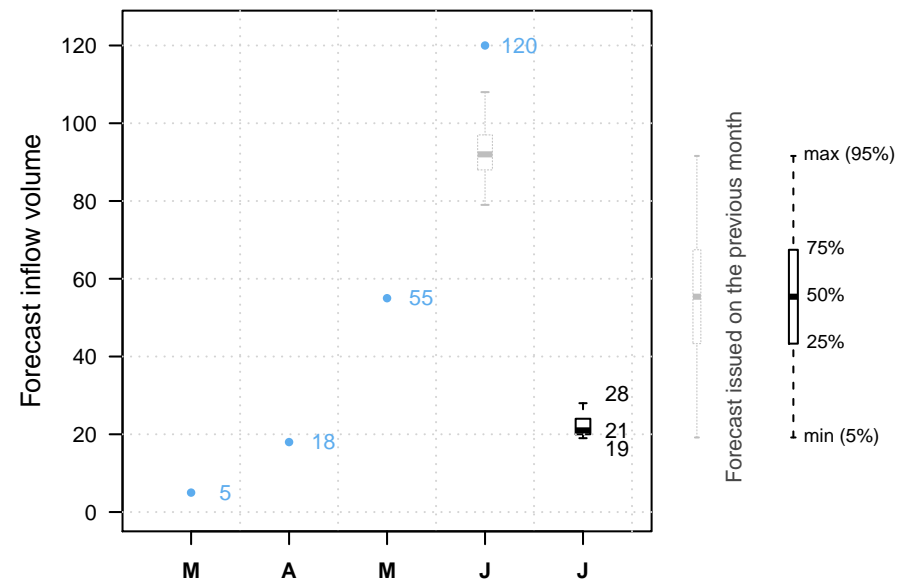
Previous decisions: B C C



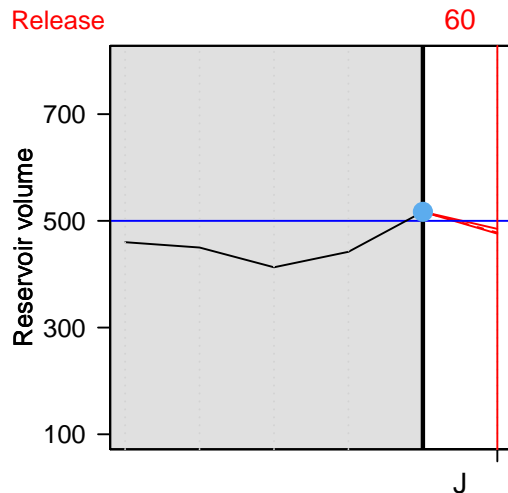
It is July 1st.

And our volunteer?

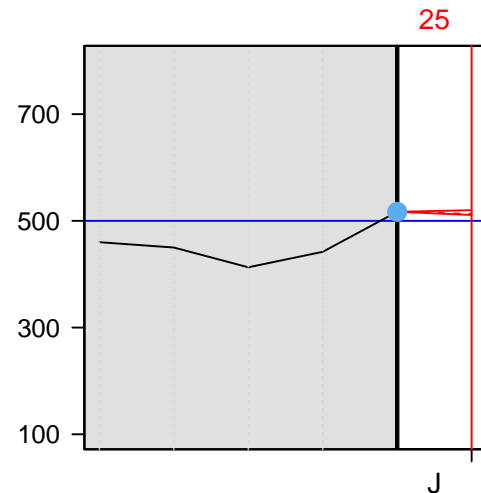
Let's see which release option our volunteer will choose.



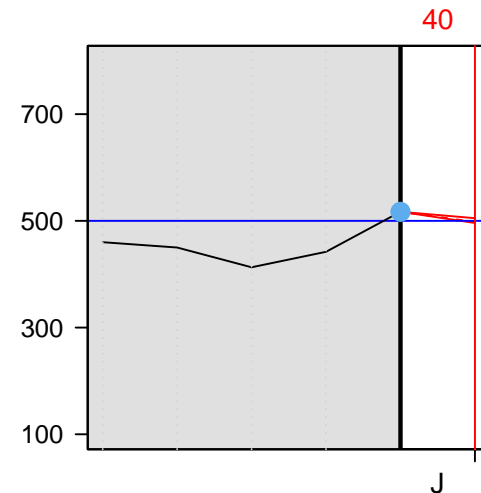
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$517 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 514 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

NEXT

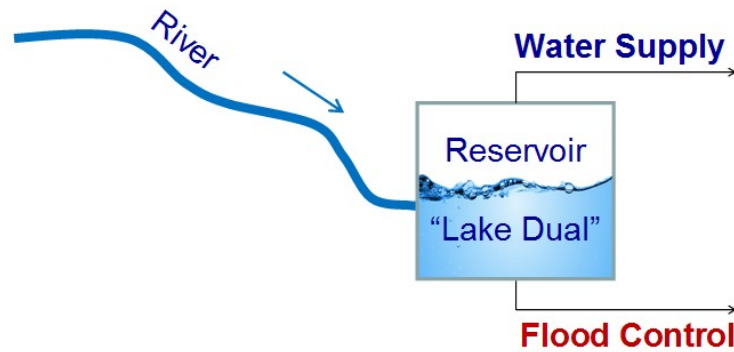
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



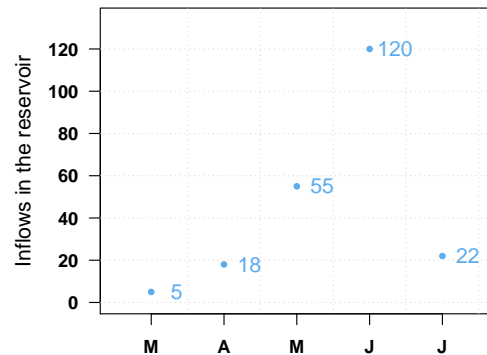
Swof Town



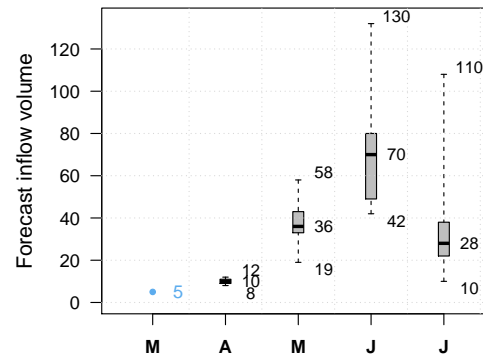
Safe Town



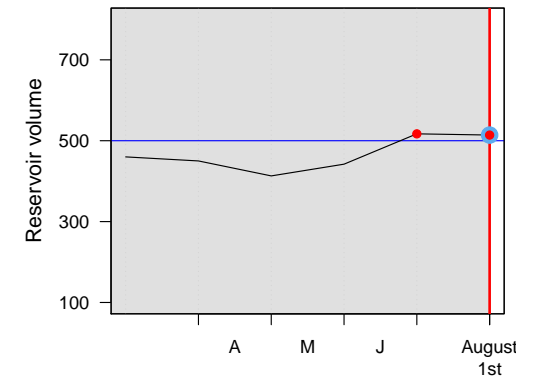
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

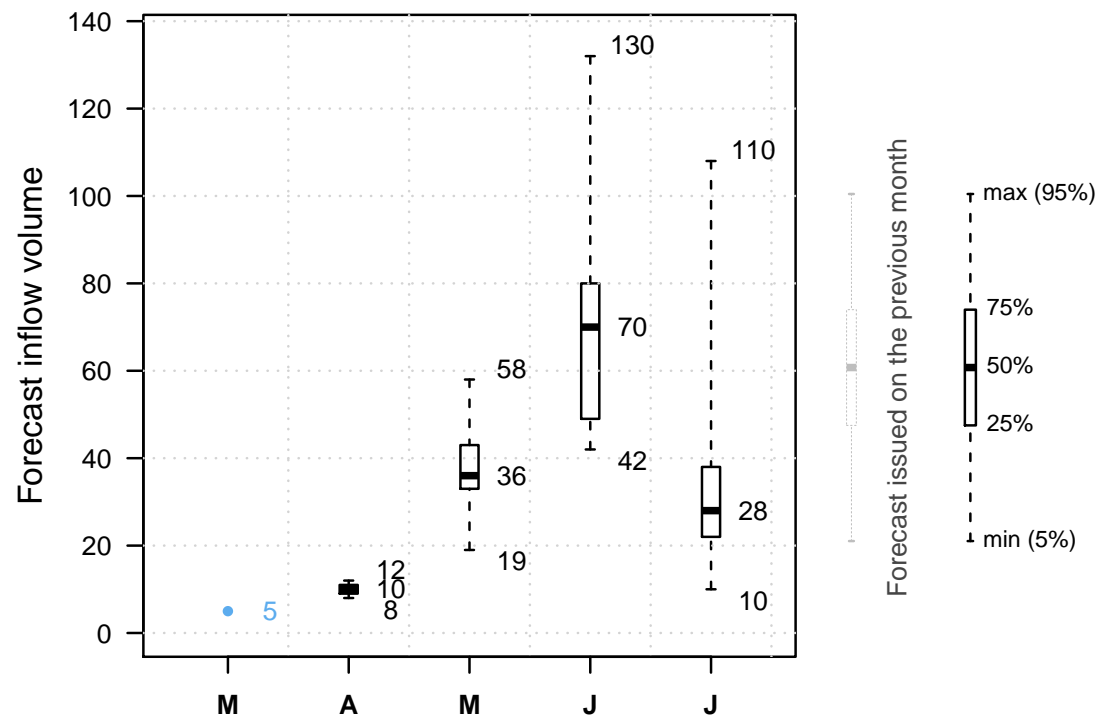


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

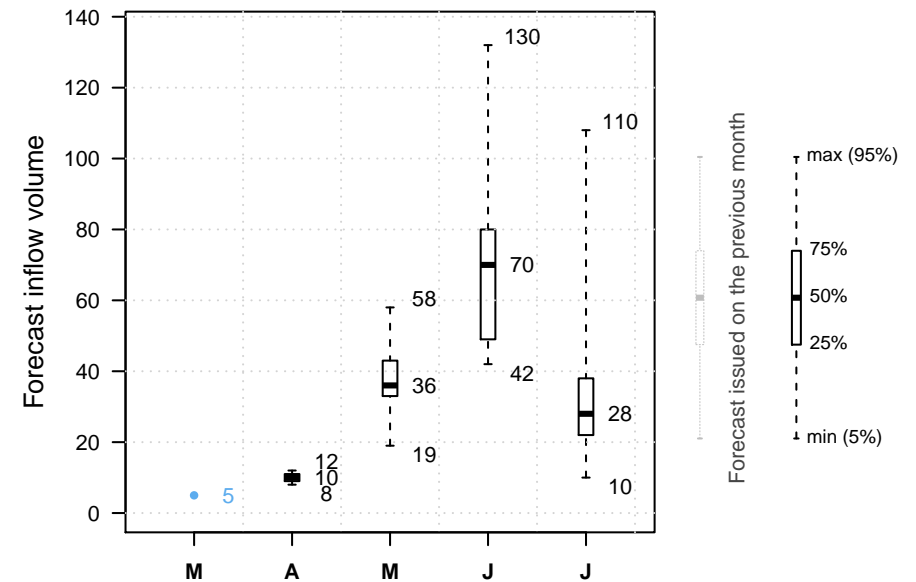
**NEXT**



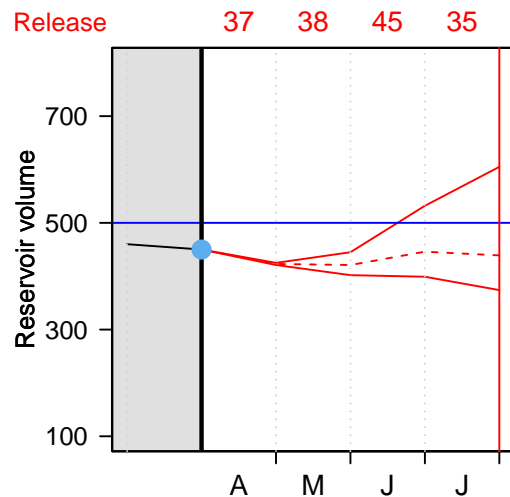
It is April 1st.

And our volunteer?

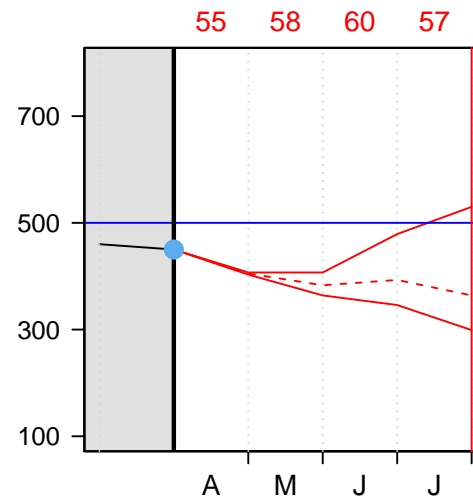
Let's see which release option our volunteer will choose.



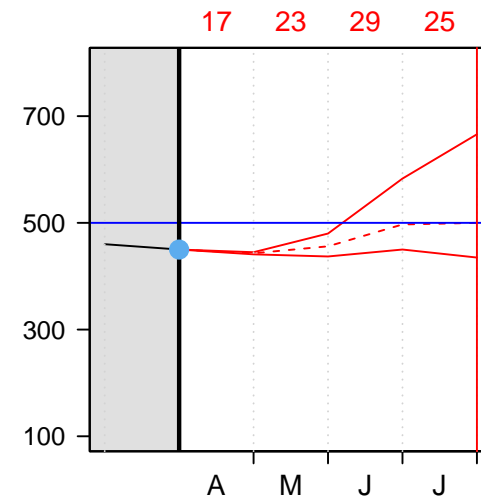
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

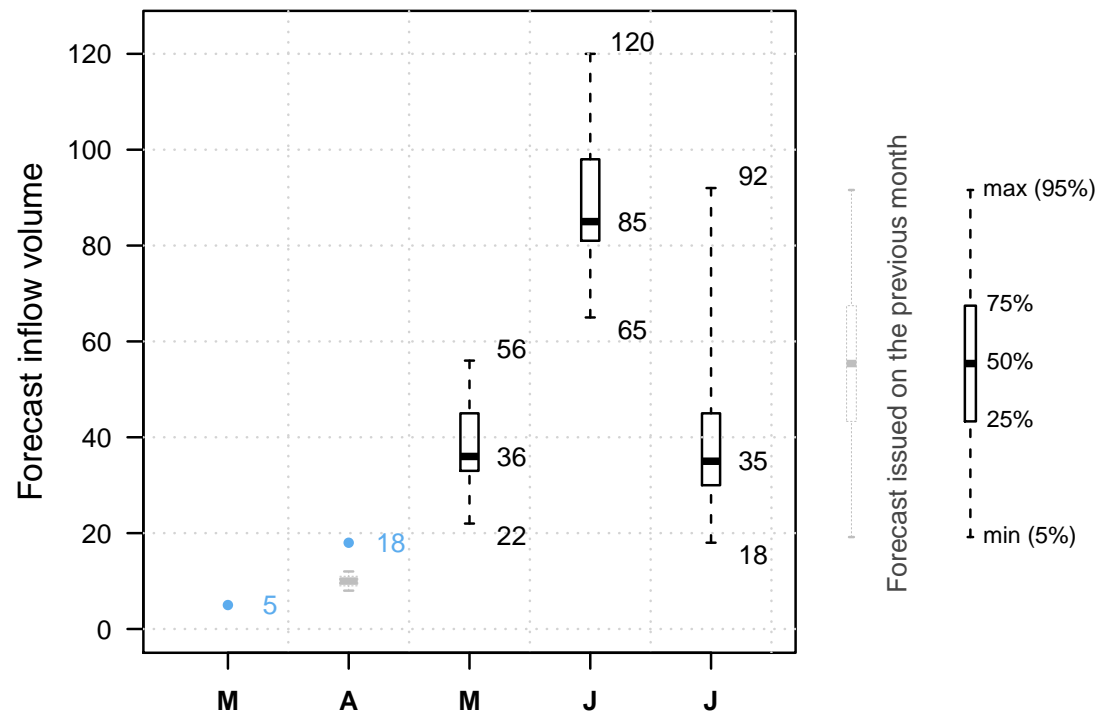


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

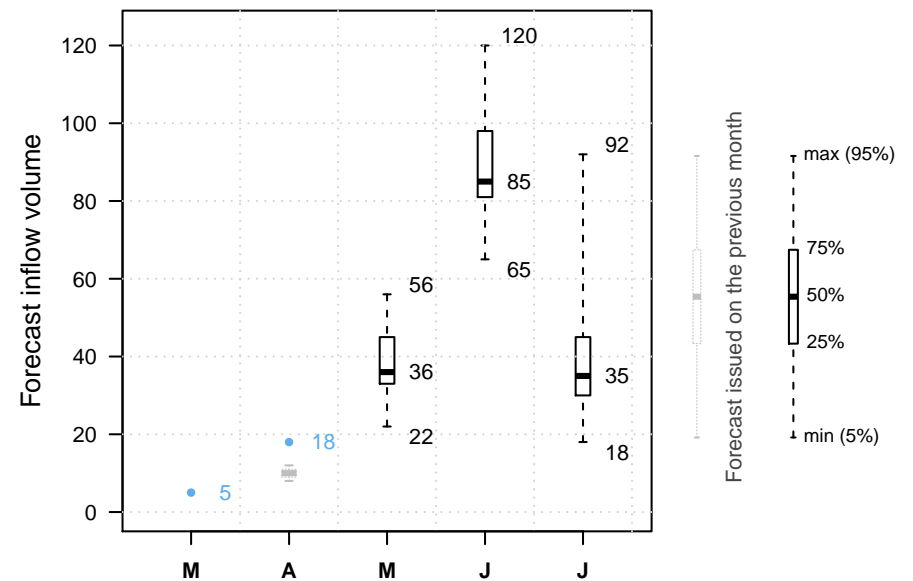
Previous decisions: C



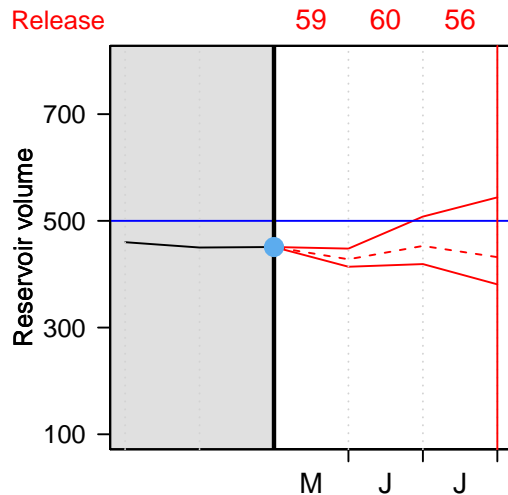
It is May 1st.

And our volunteer?

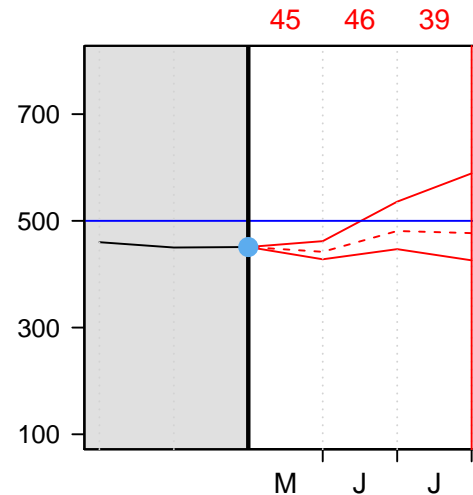
Let's see which release option our volunteer will choose.



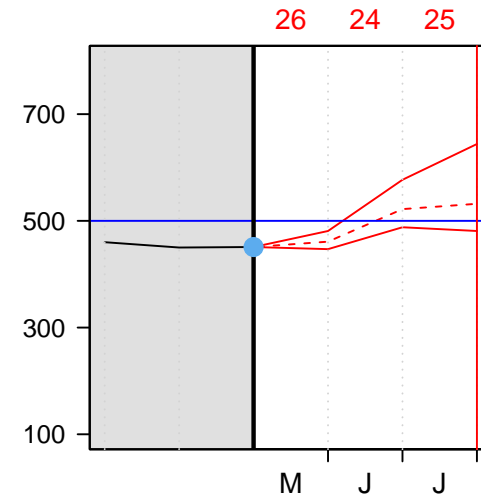
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

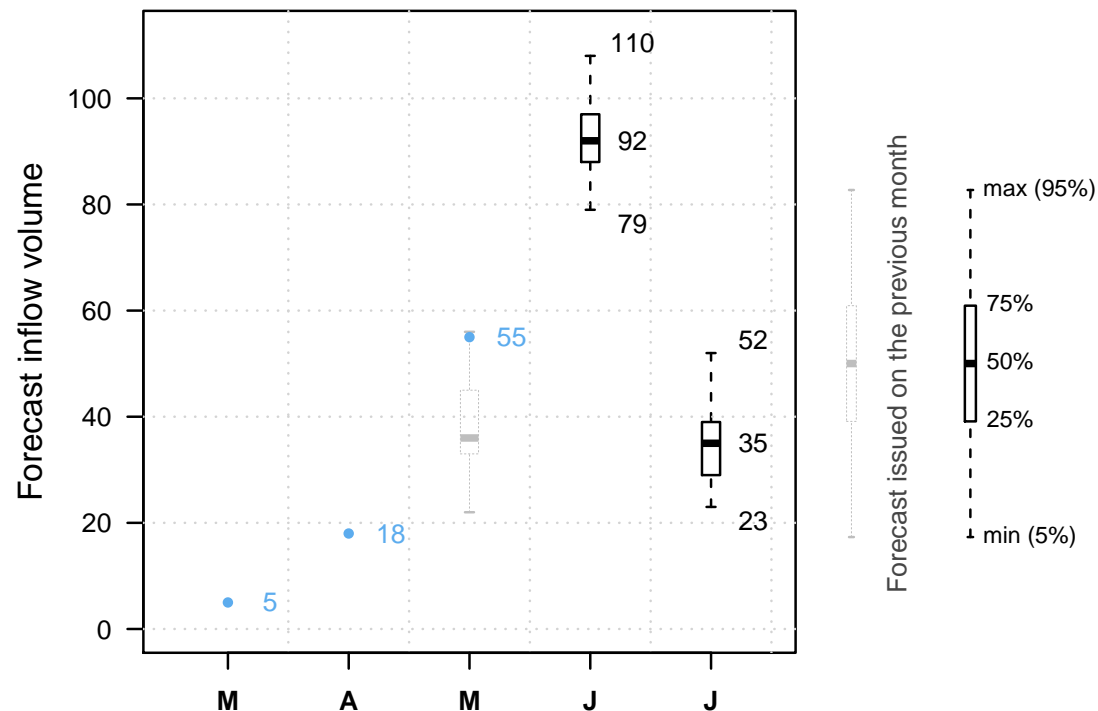


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

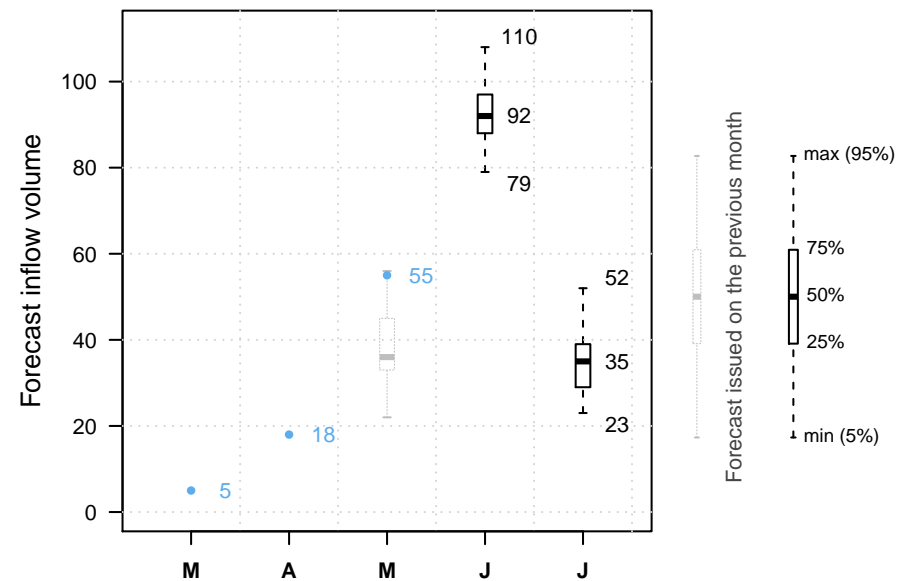
Previous decisions: C C



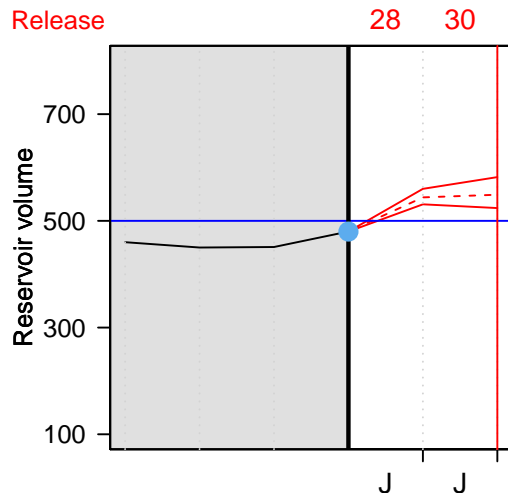
It is June 1st.

And our volunteer?

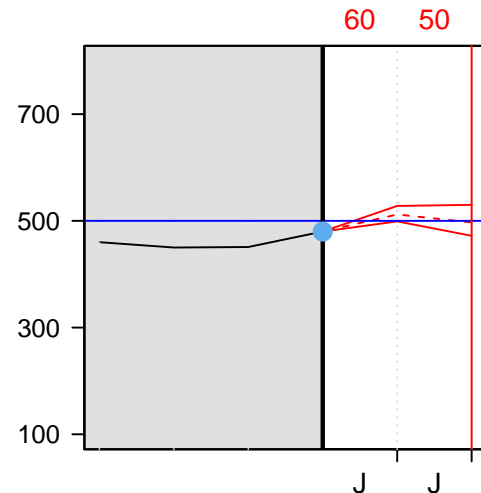
Let's see which release option our volunteer will choose.



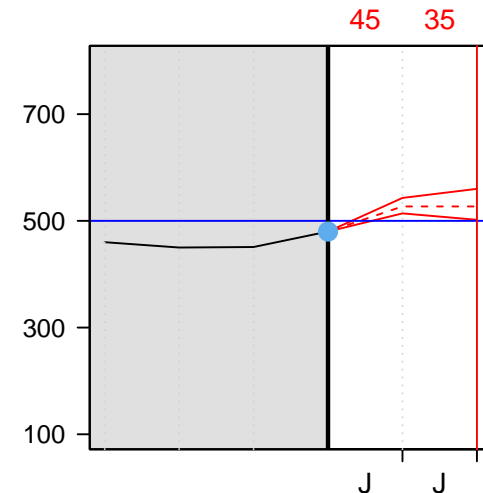
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 555 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

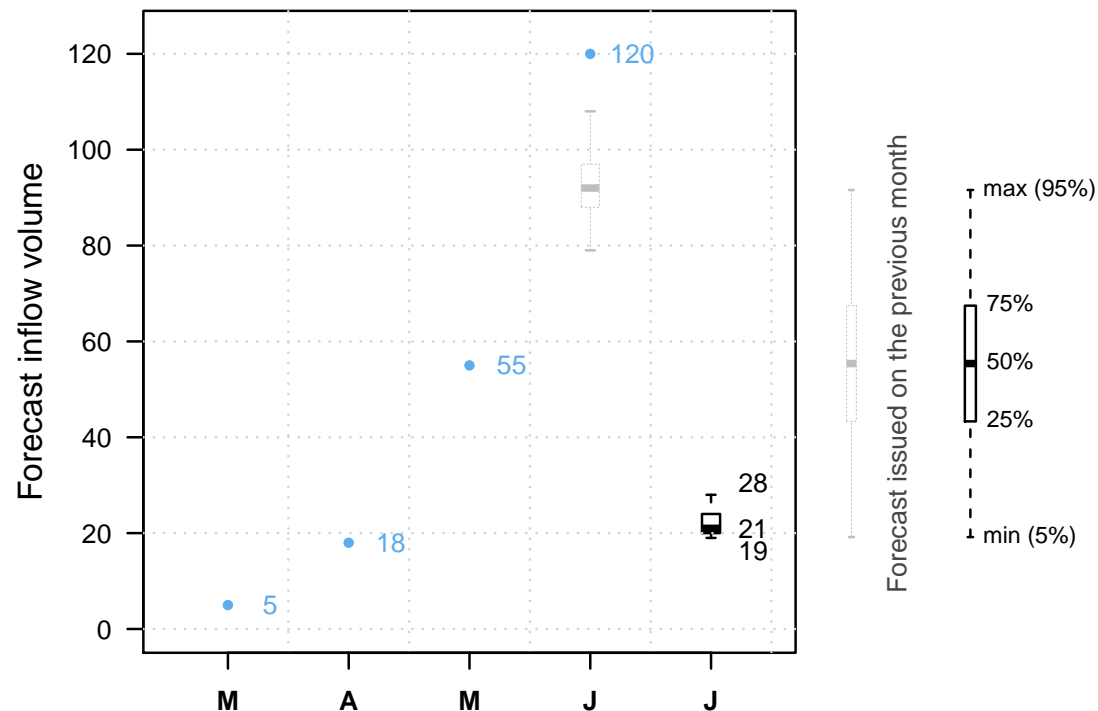


It is July 1st.

The reservoir is at  $555 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

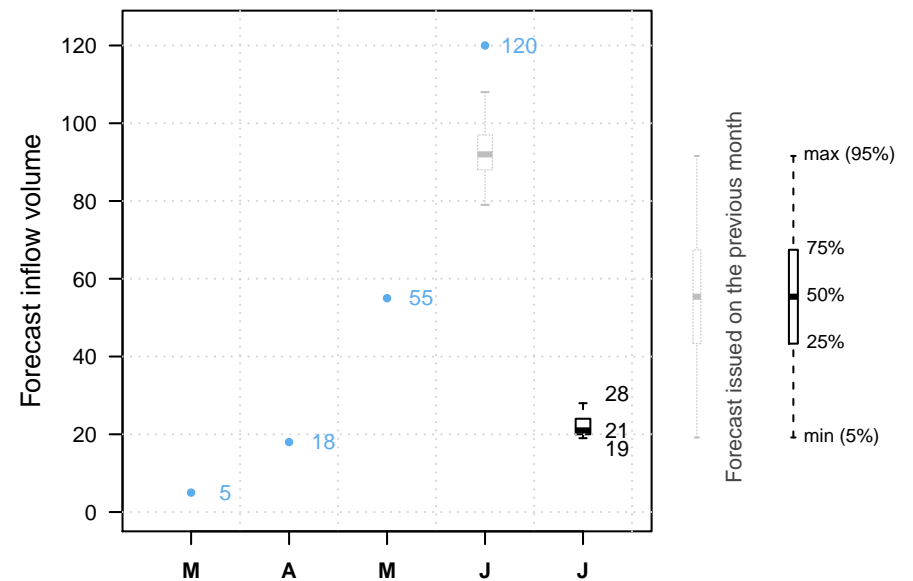
Previous decisions: C C C



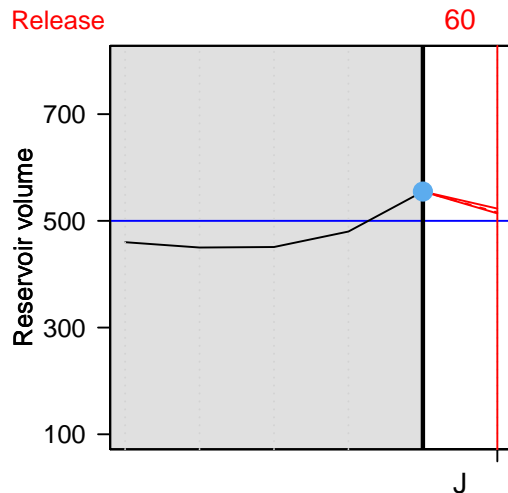
It is July 1st.

And our volunteer?

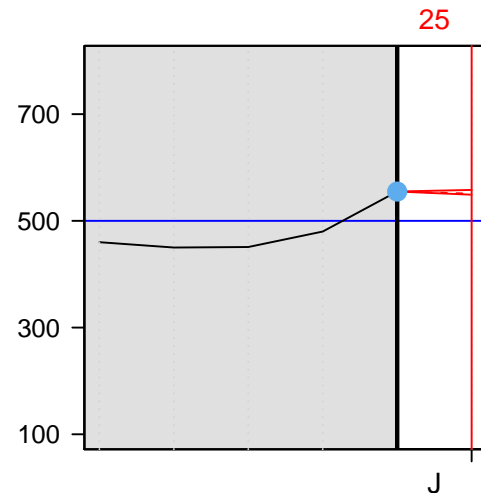
Let's see which release option our volunteer will choose.



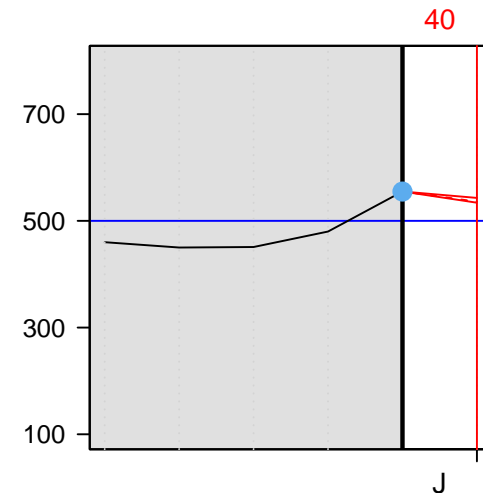
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $25 \text{ Mm}^3$

The volume on August 1st is therefore:

$$555 \text{ Mm}^3 + 22 \text{ Mm}^3 - 25 \text{ Mm}^3 = 552 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

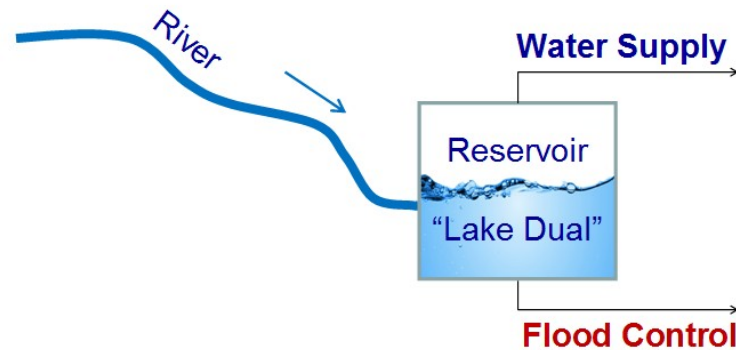
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



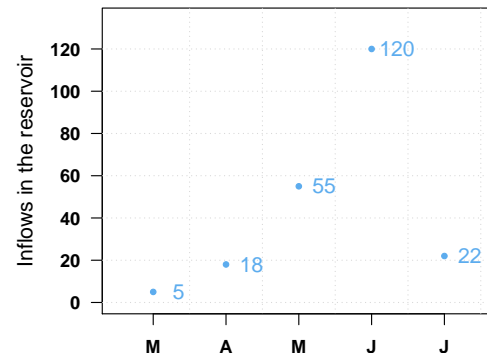
Swof Town



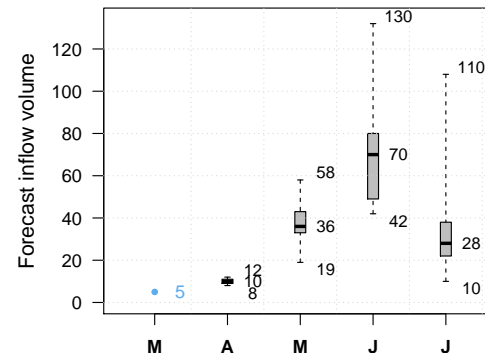
Safe Town



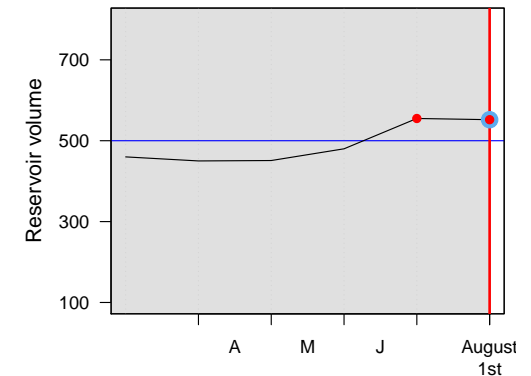
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

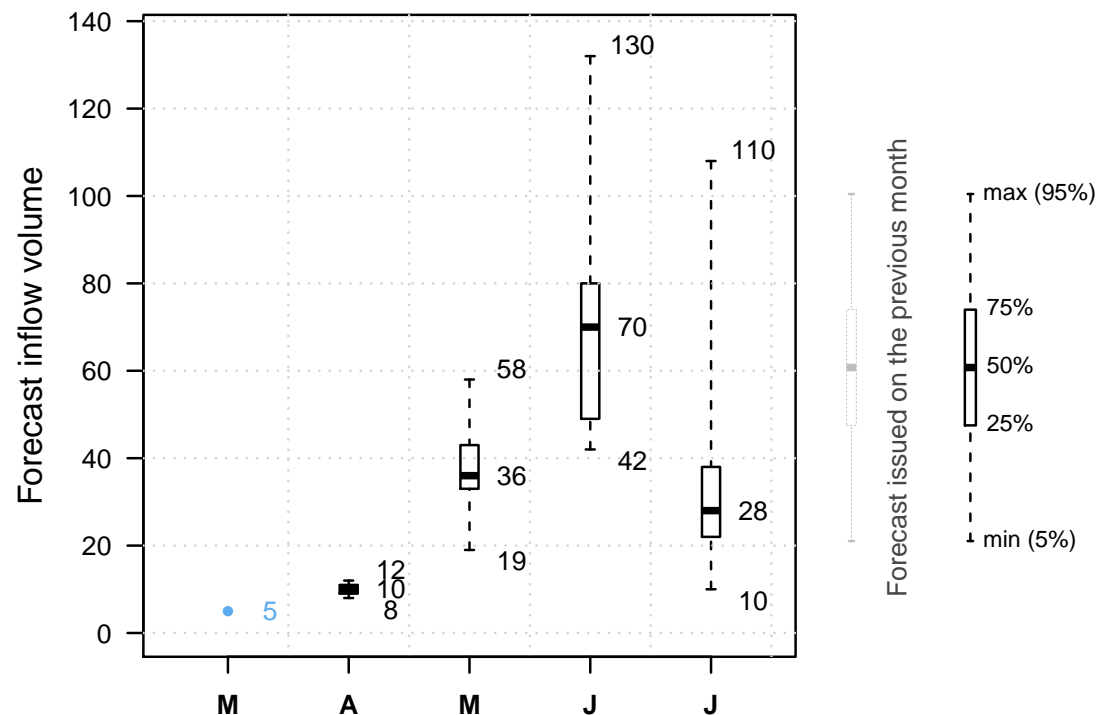


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

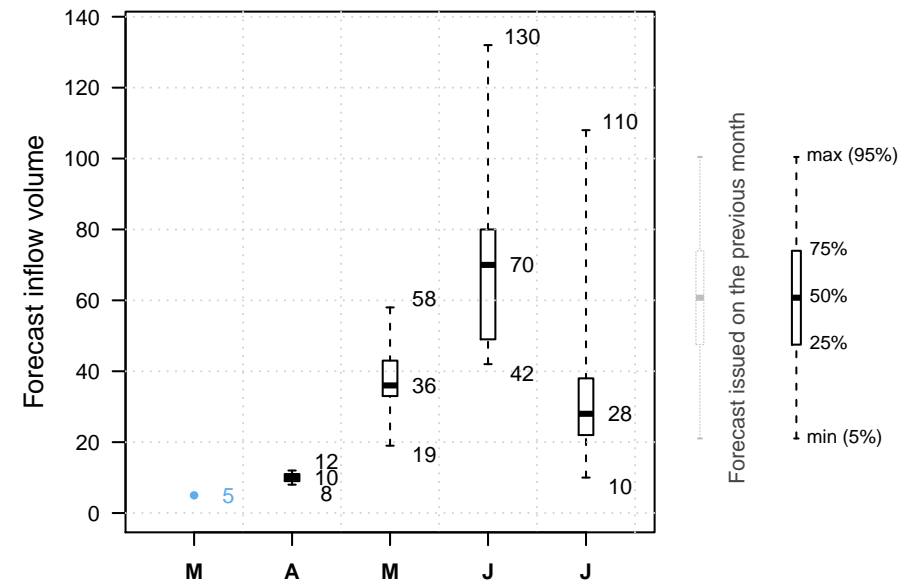
**NEXT**



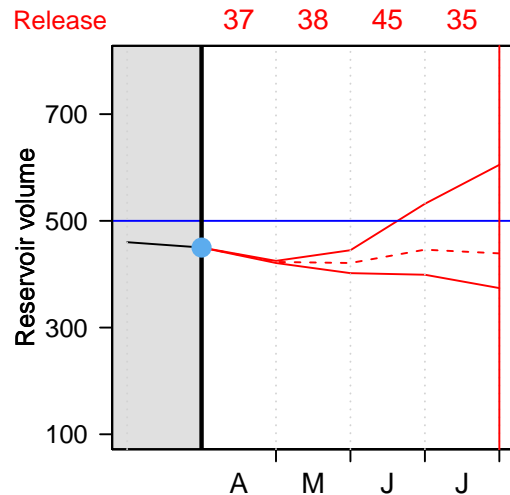
It is April 1st.

And our volunteer?

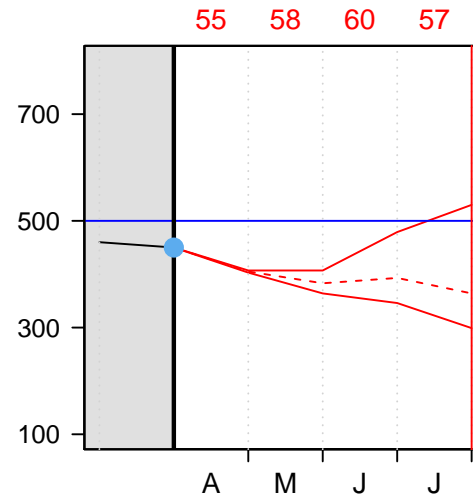
Let's see which release option our volunteer will choose.



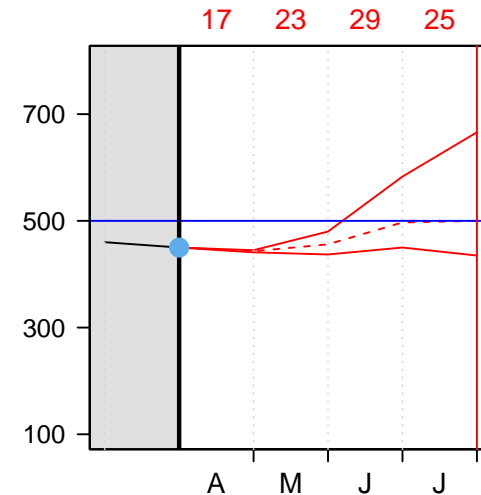
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

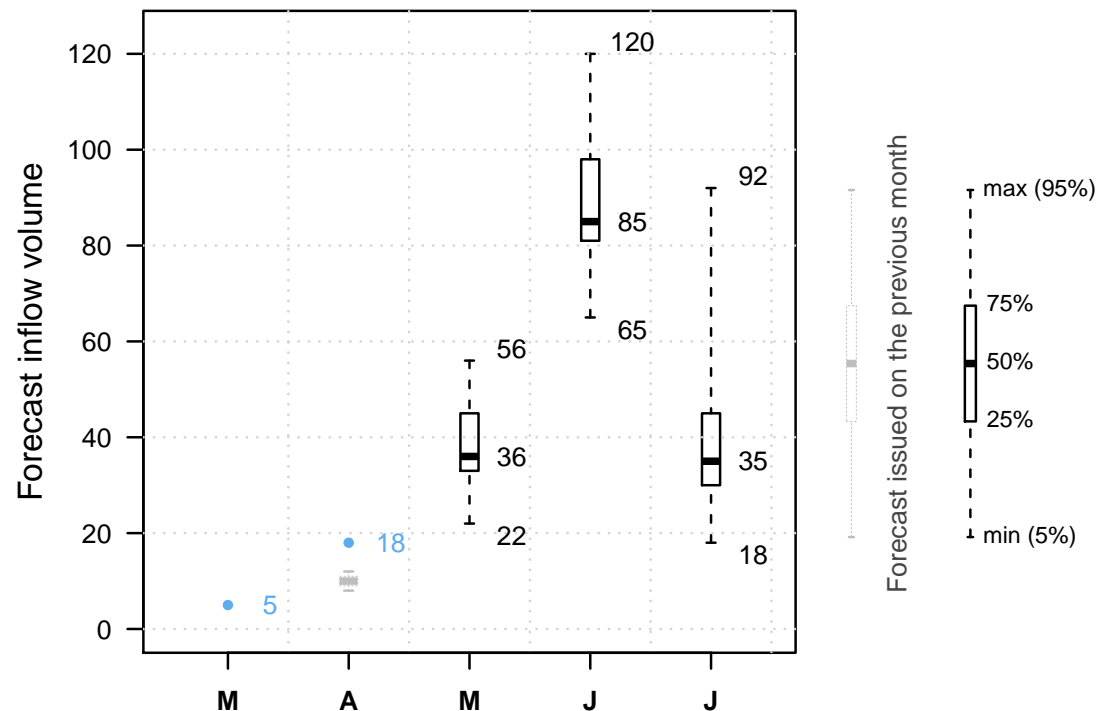


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

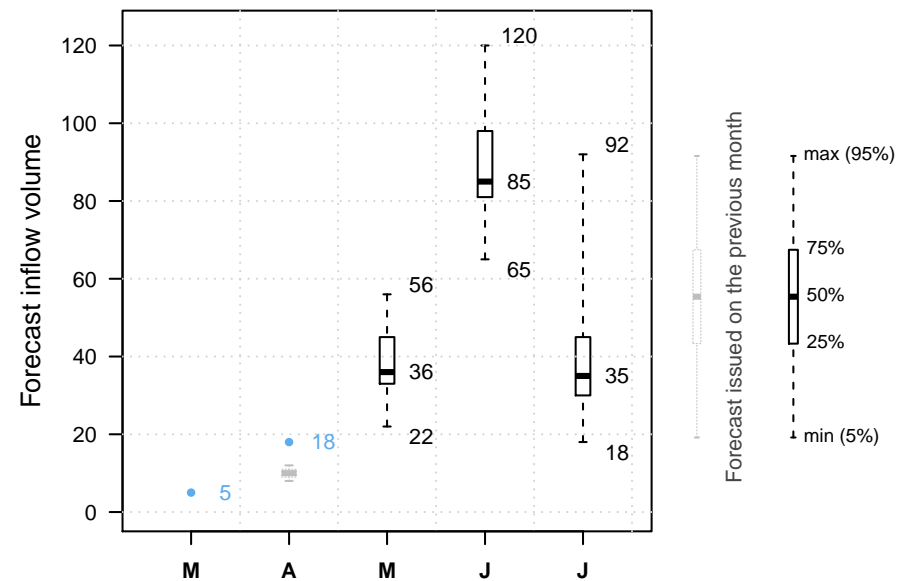
Previous decisions: A



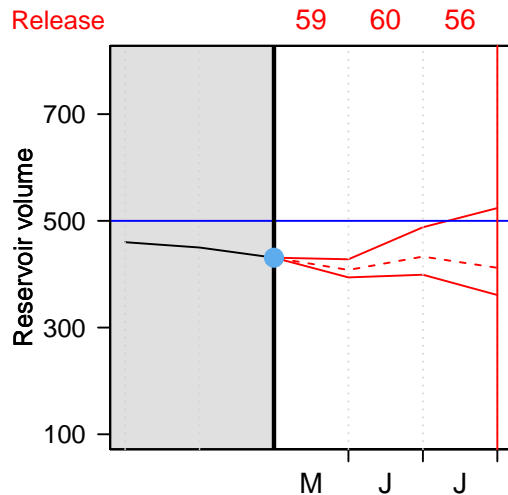
It is May 1st.

And our volunteer?

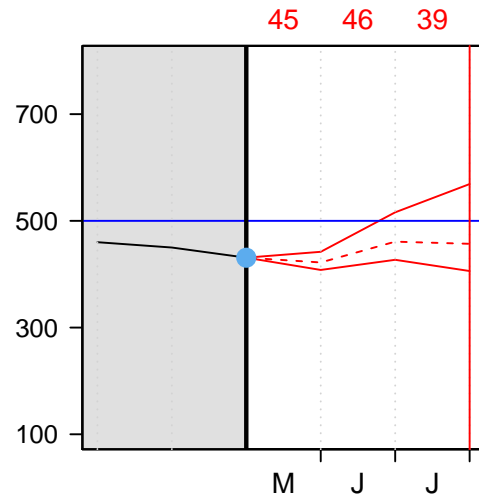
Let's see which release option our volunteer will choose.



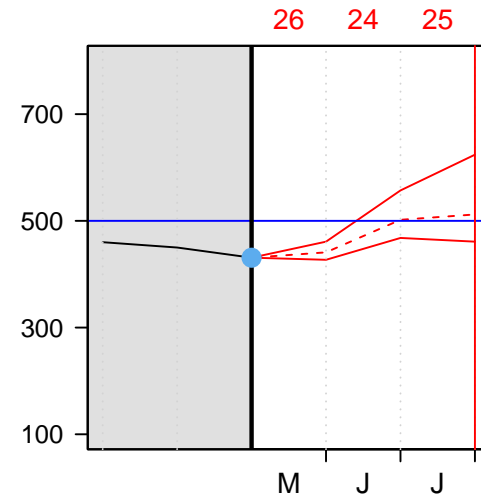
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

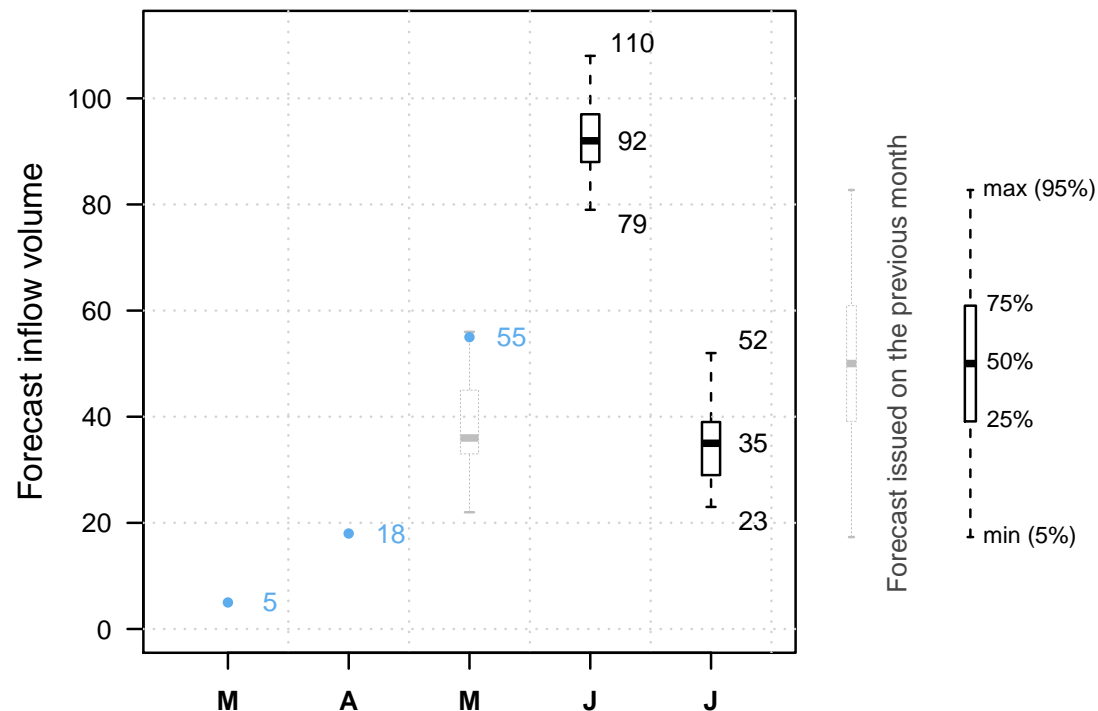


It is June 1st.

The reservoir is at  $427 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

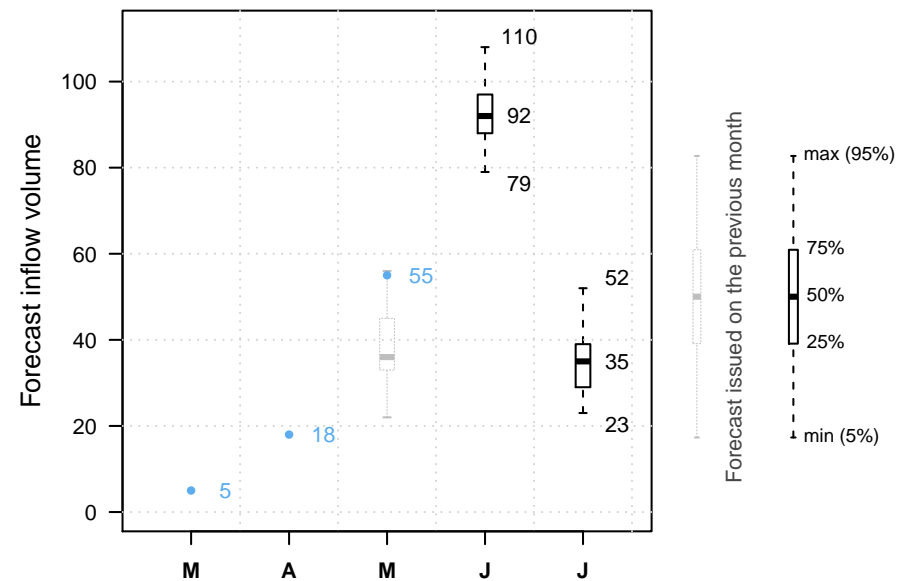
Previous decisions: A A



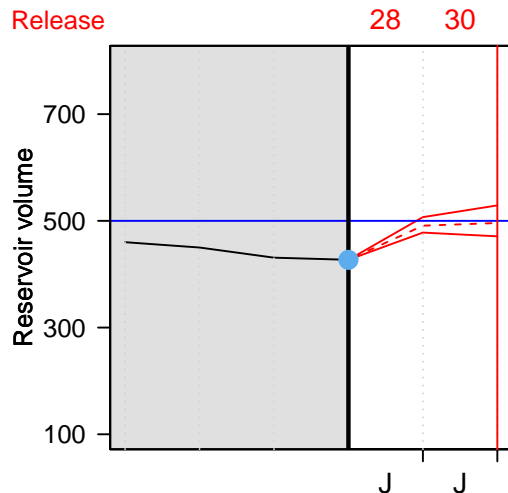
It is June 1st.

And our volunteer?

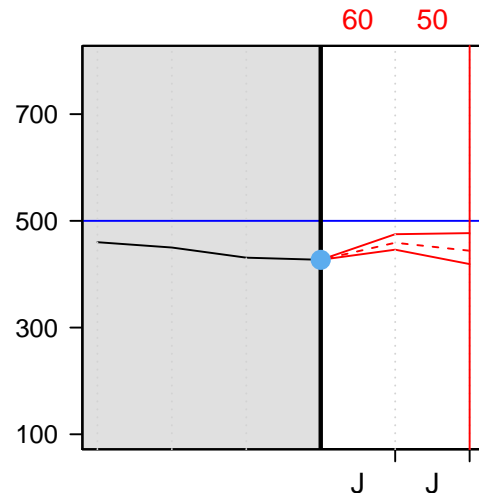
Let's see which release option our volunteer will choose.



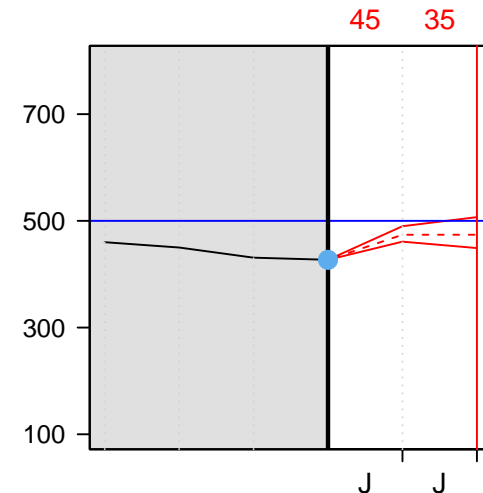
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 519 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

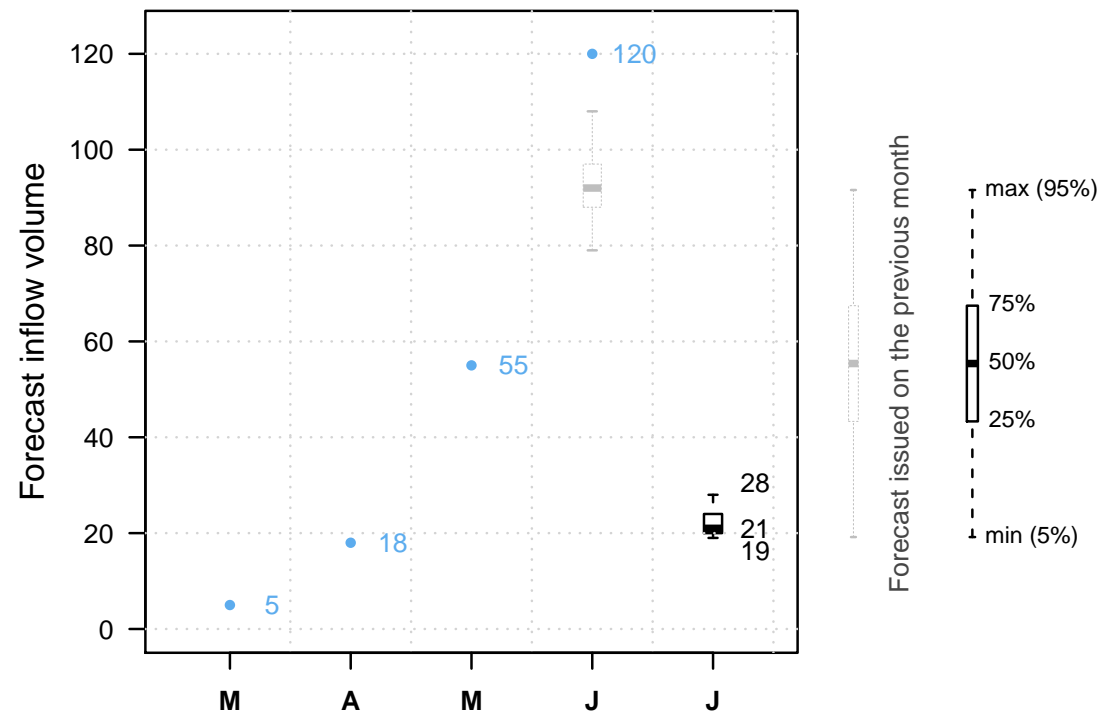


It is July 1st.

The reservoir is at 519  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

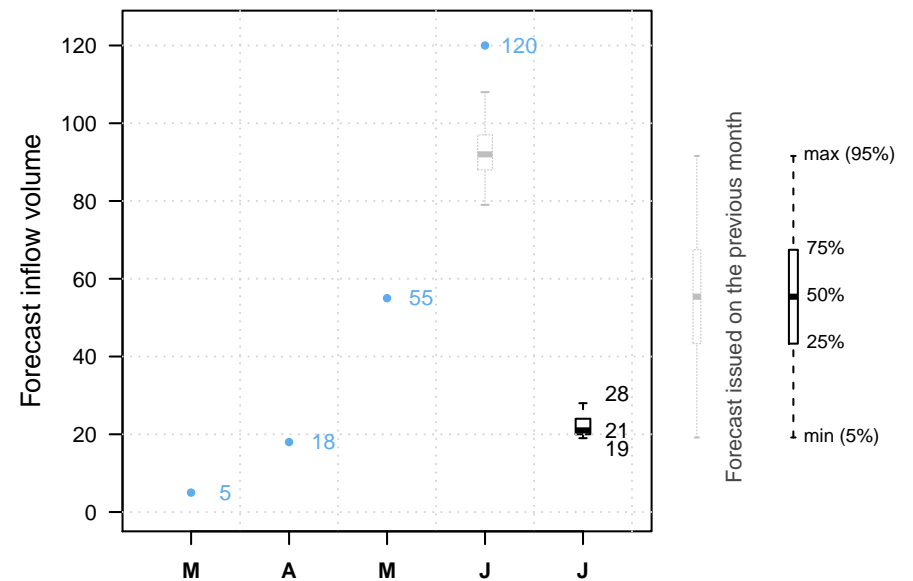
Previous decisions: A A A



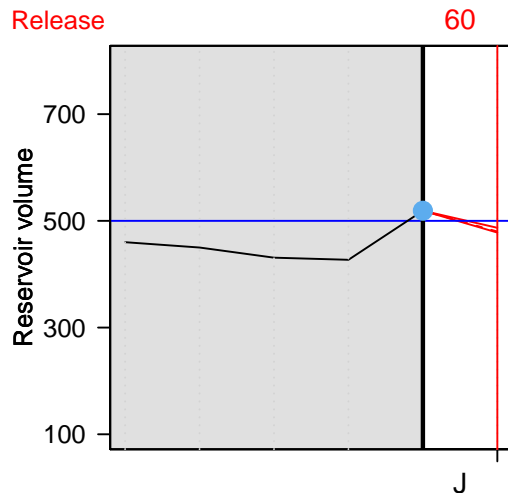
It is July 1st.

And our volunteer?

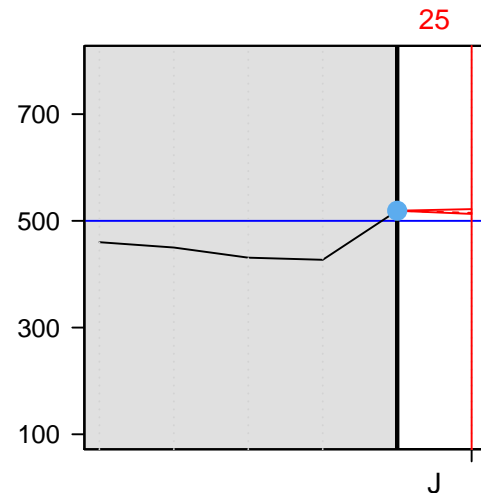
Let's see which release option our volunteer will choose.



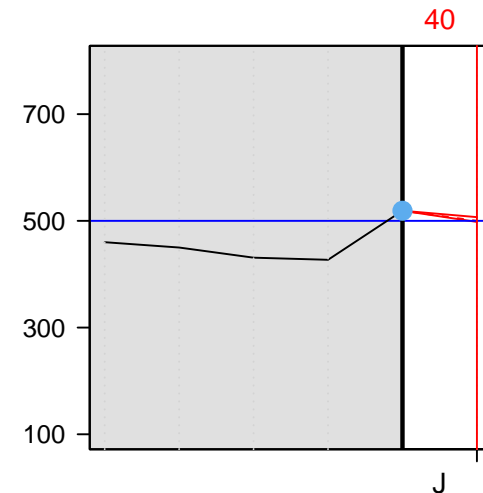
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$519 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

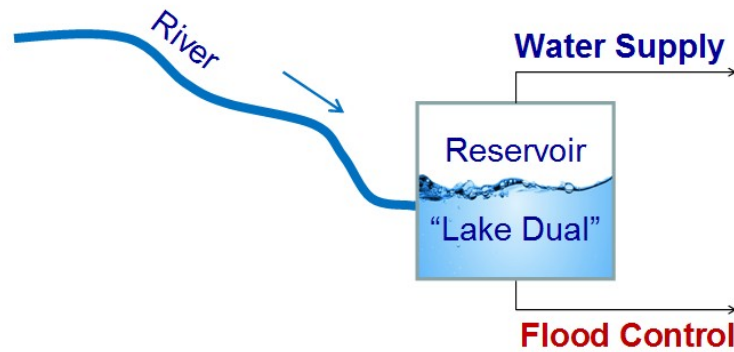
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



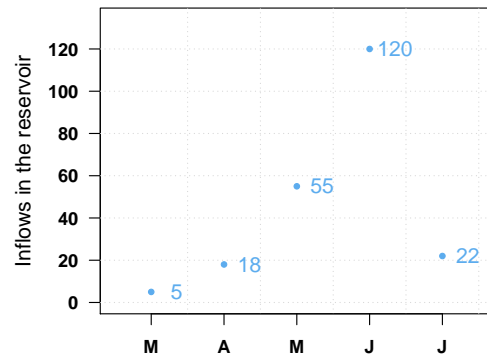
Swof Town



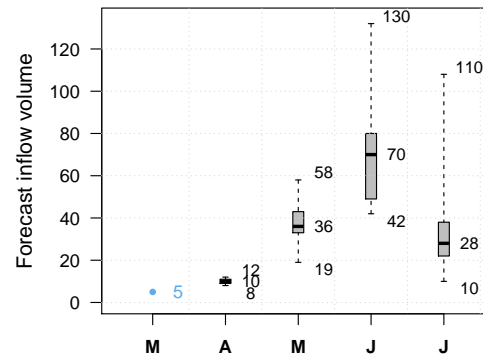
Safe Town



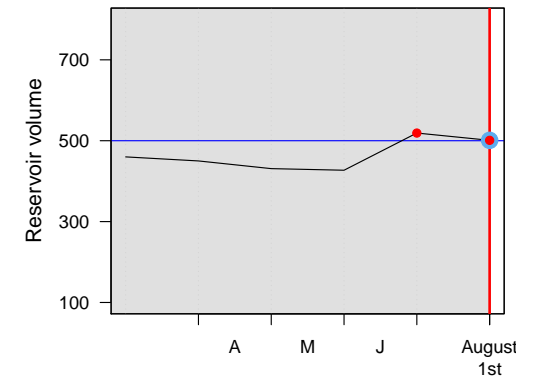
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

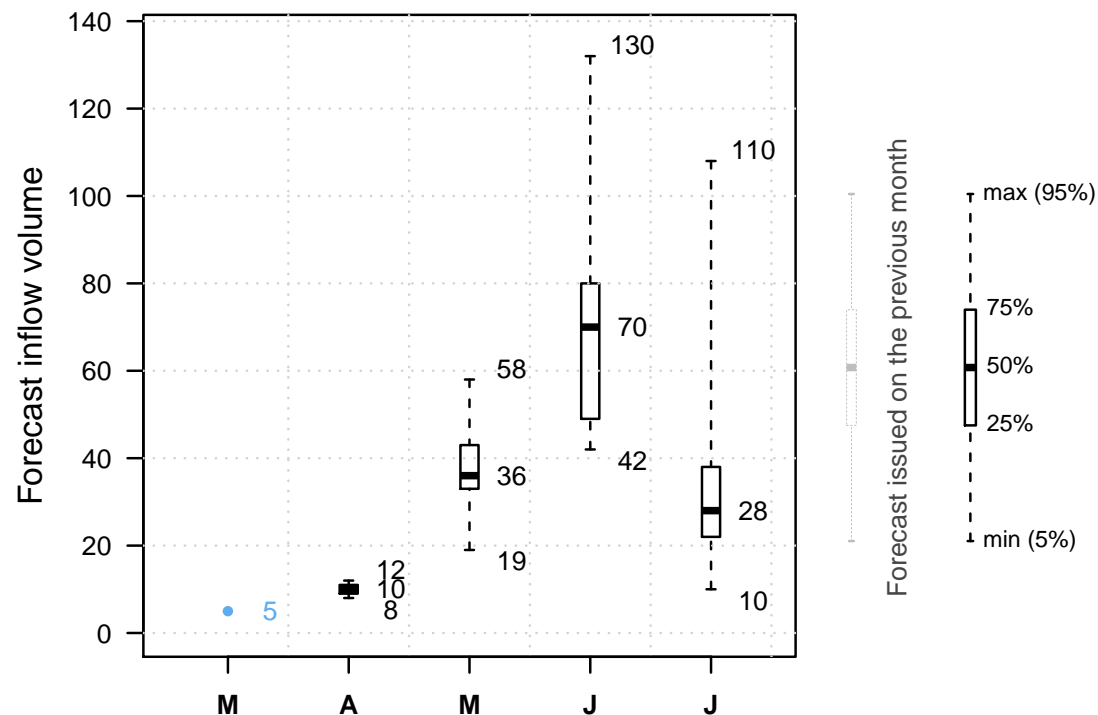


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

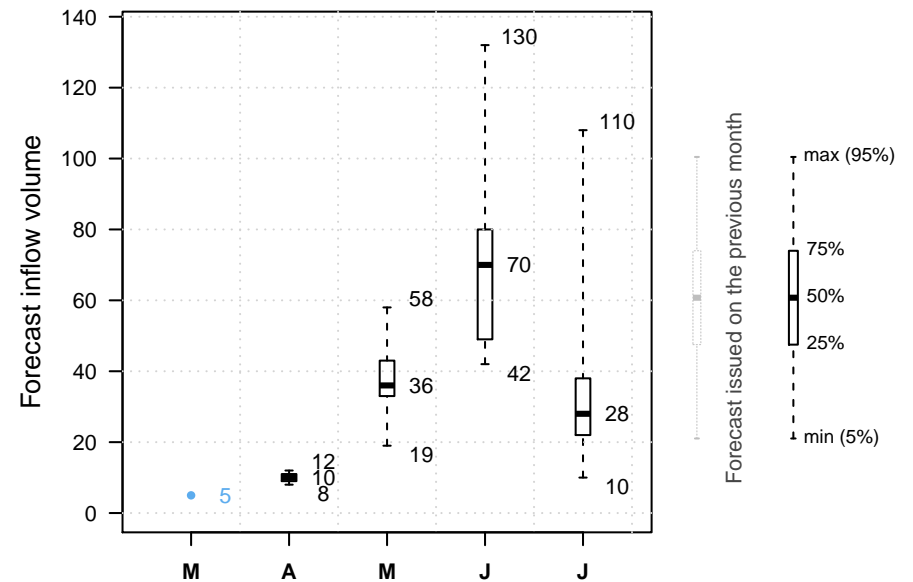
**NEXT**



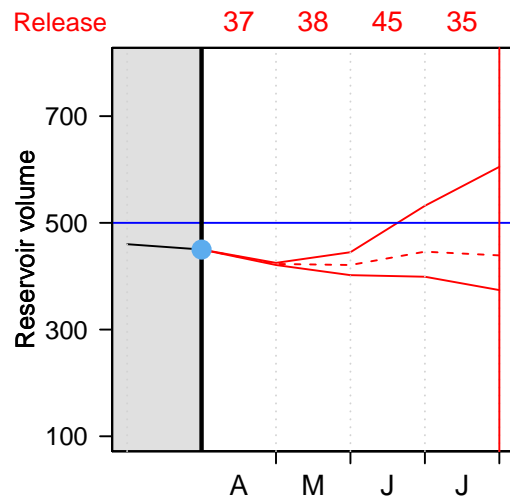
It is April 1st.

And our volunteer?

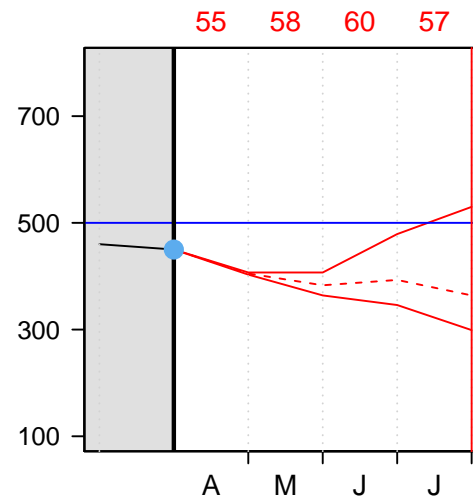
Let's see which release option our volunteer will choose.



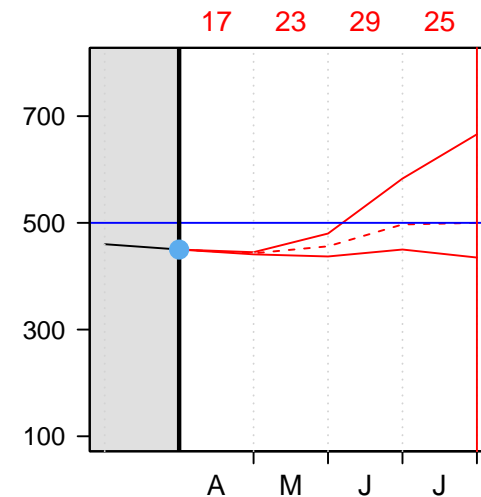
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

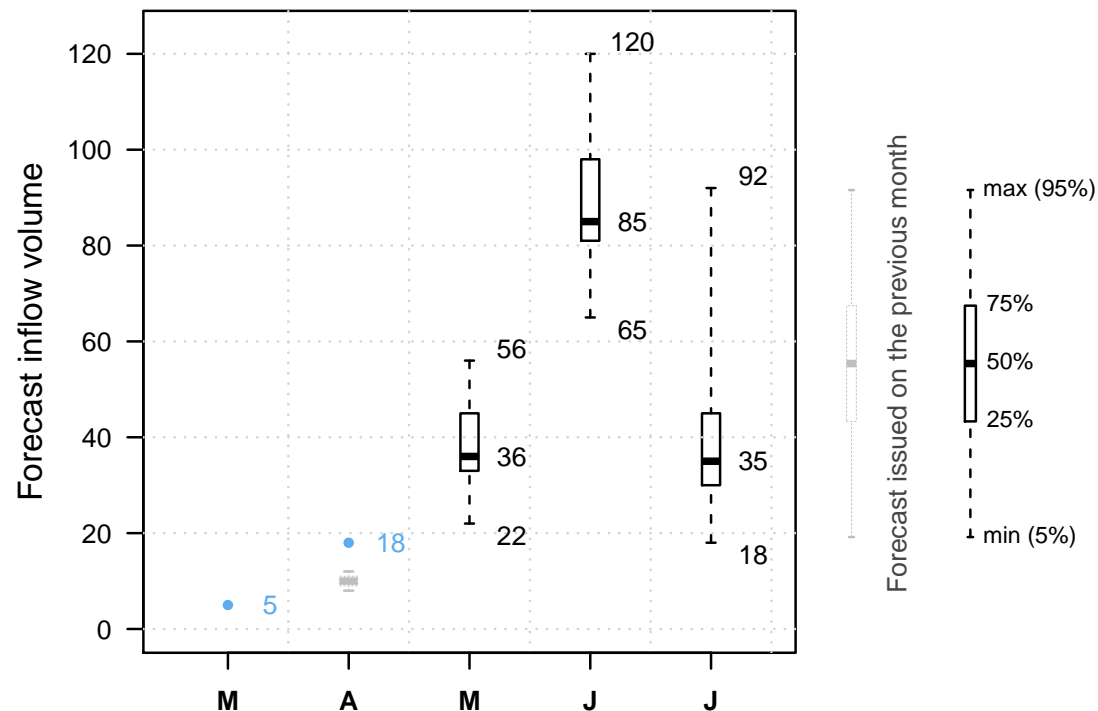


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.



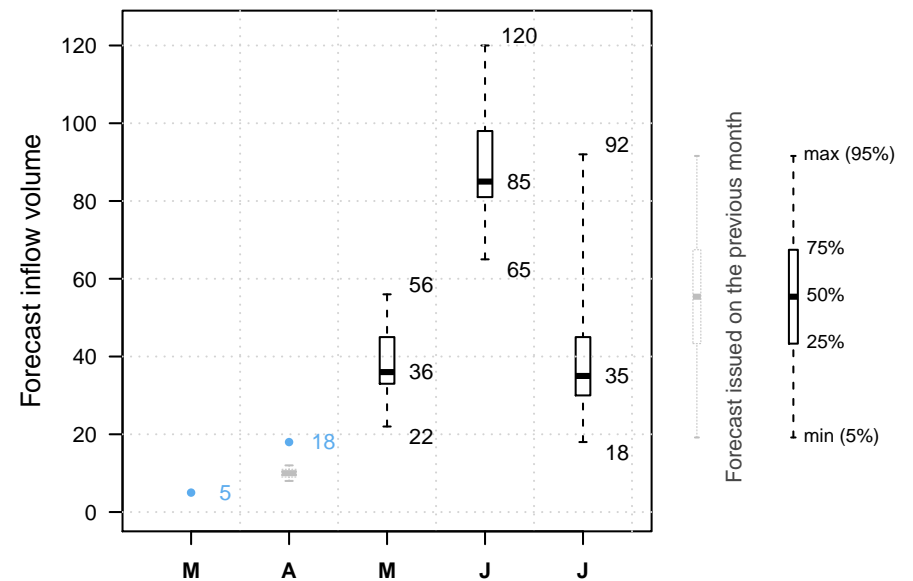
Previous decisions: B



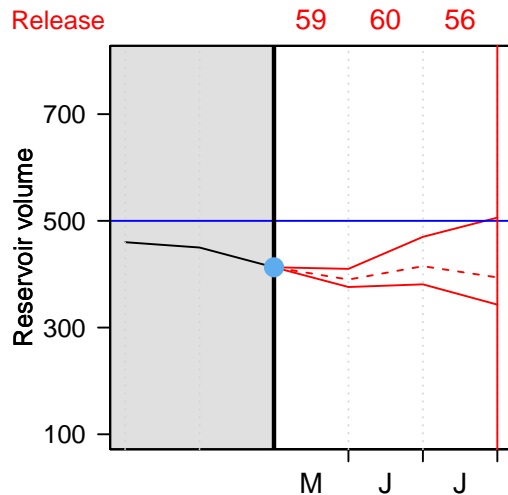
It is May 1st.

And our volunteer?

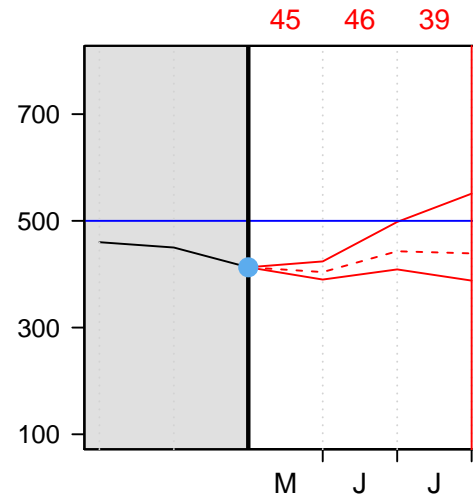
Let's see which release option our volunteer will choose.



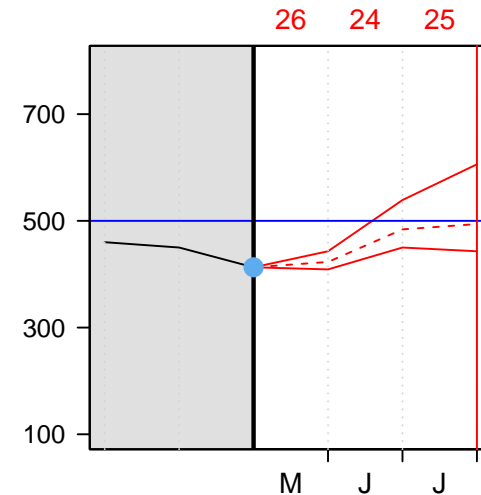
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

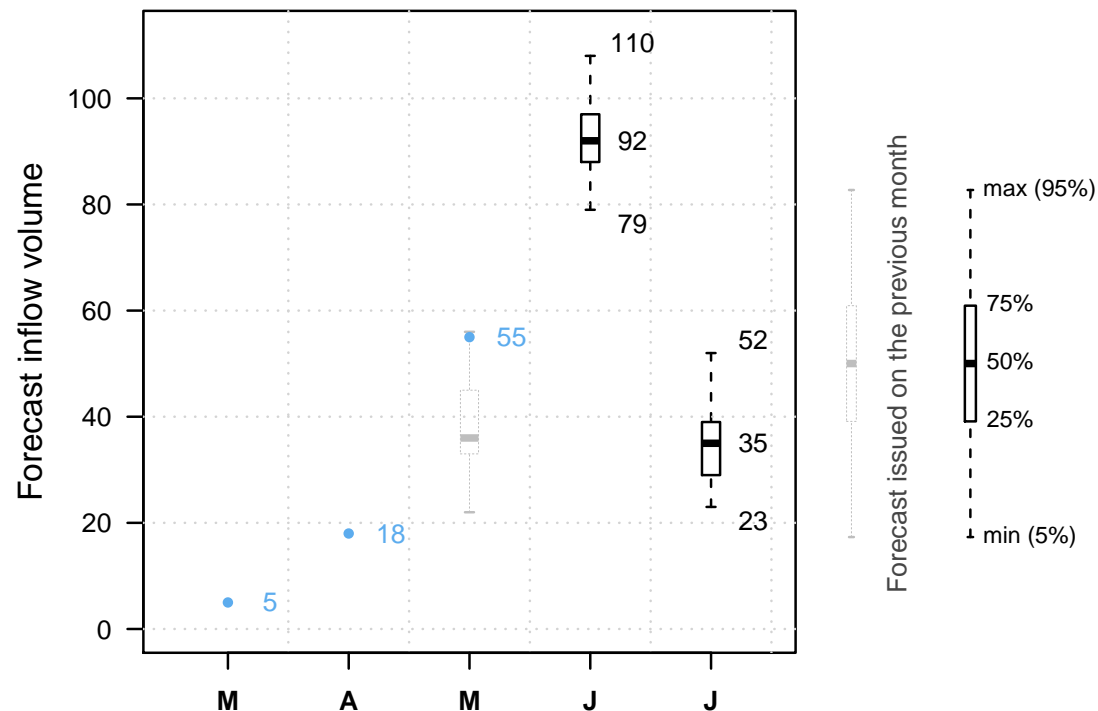


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

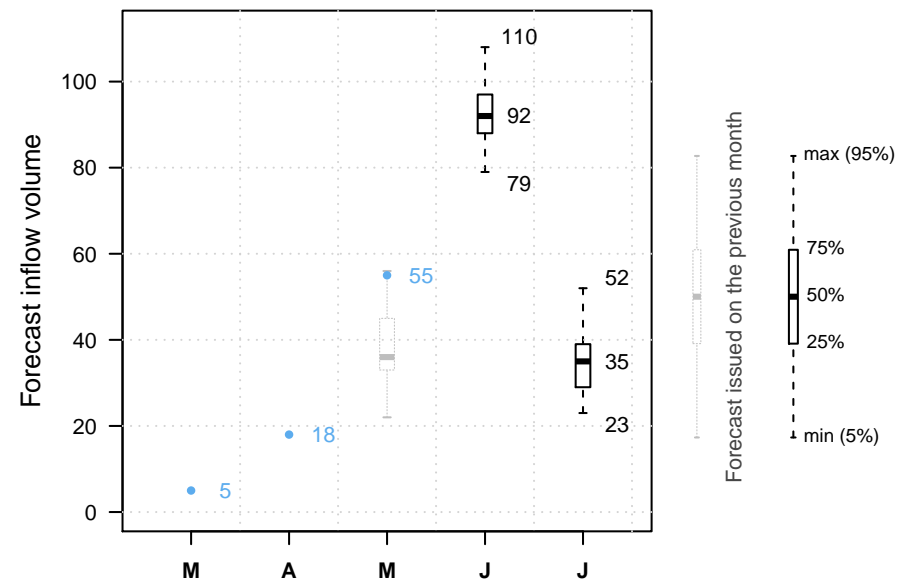
Previous decisions: B A



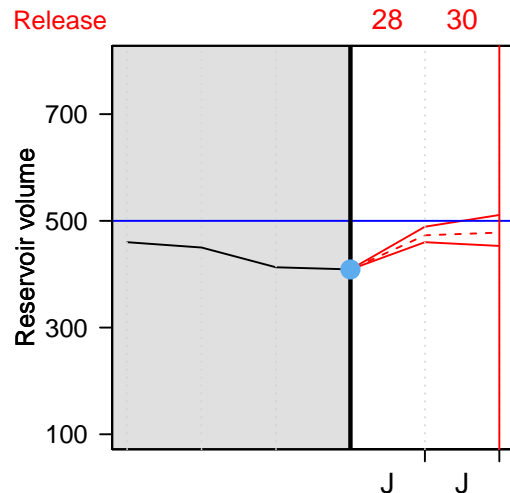
It is June 1st.

And our volunteer?

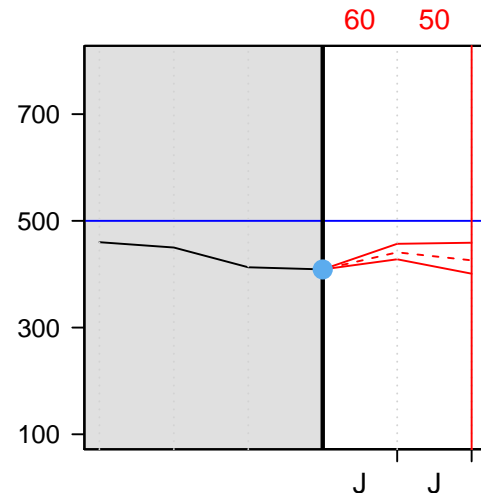
Let's see which release option our volunteer will choose.



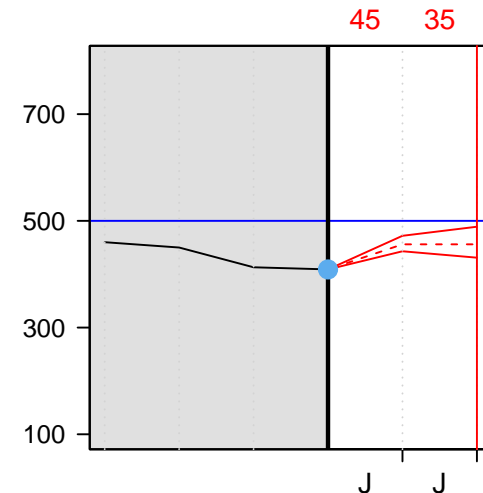
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

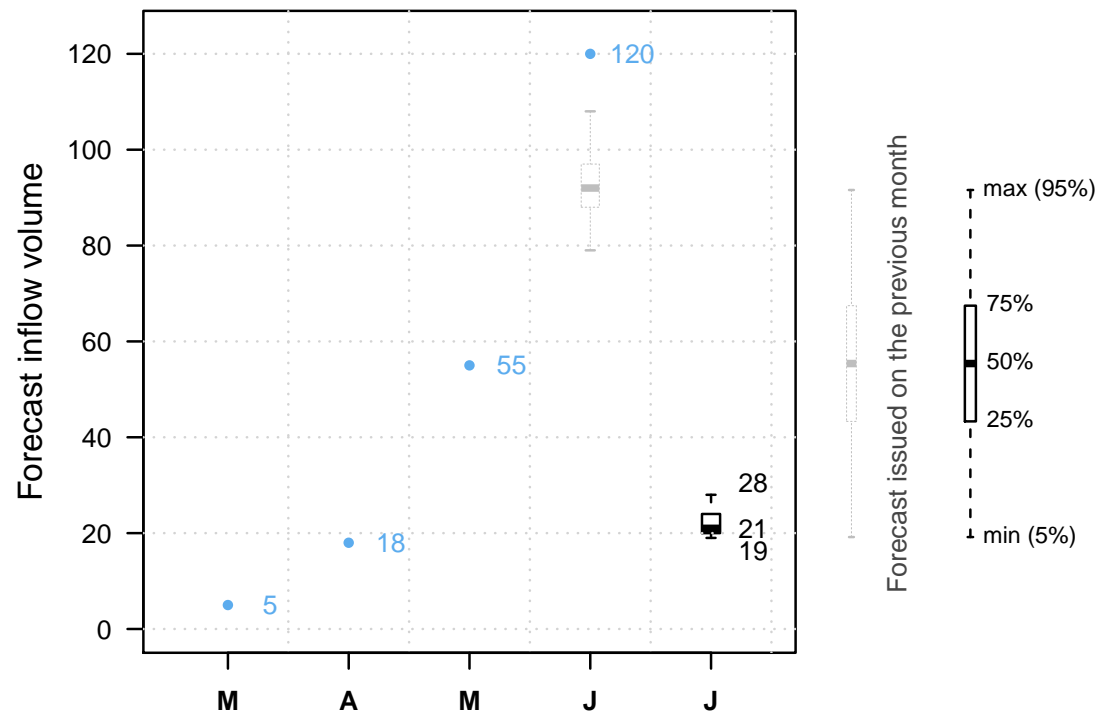


It is July 1st.

The reservoir is at  $501 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



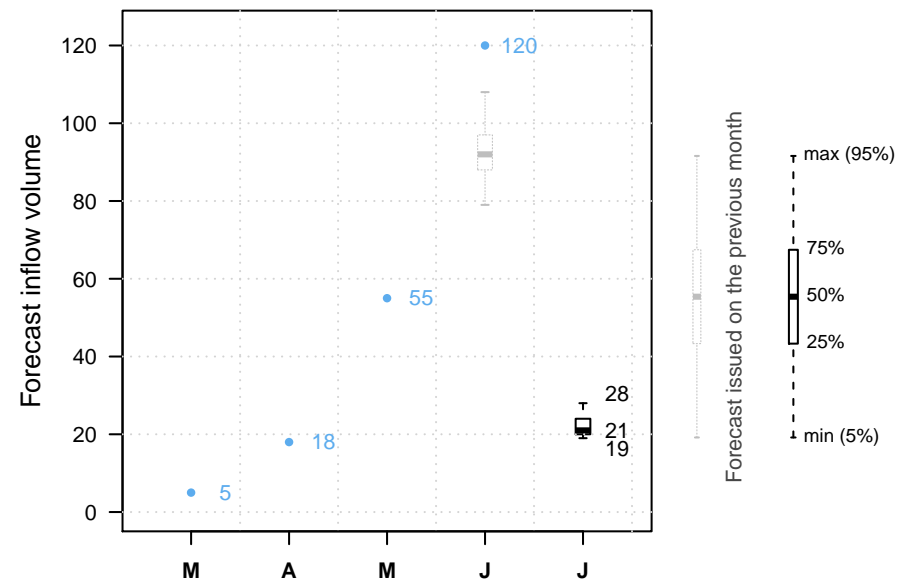
Previous decisions: B A A



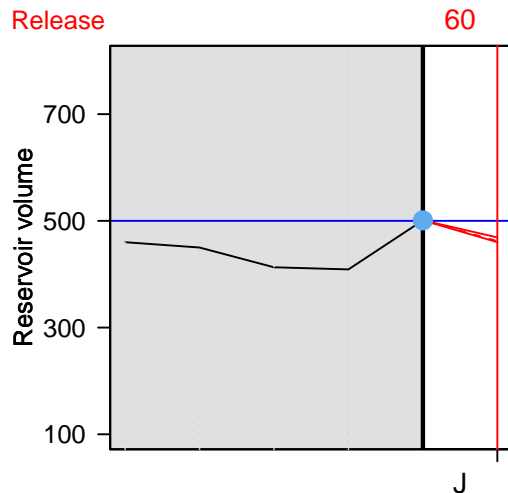
It is July 1st.

And our volunteer?

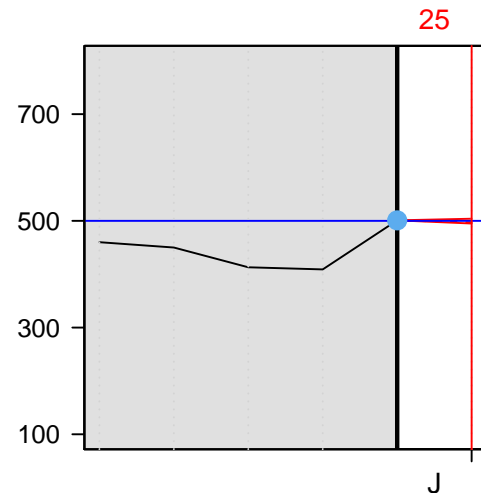
Let's see which release option our volunteer will choose.



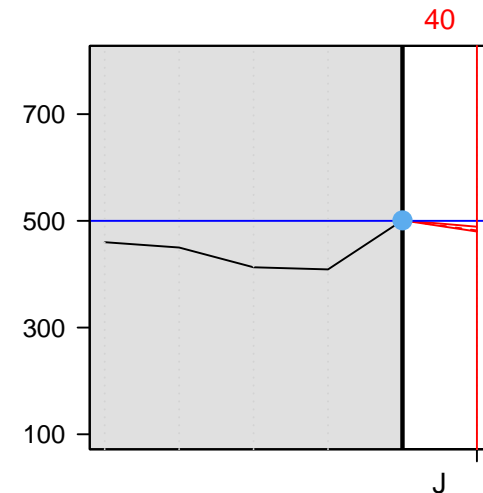
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

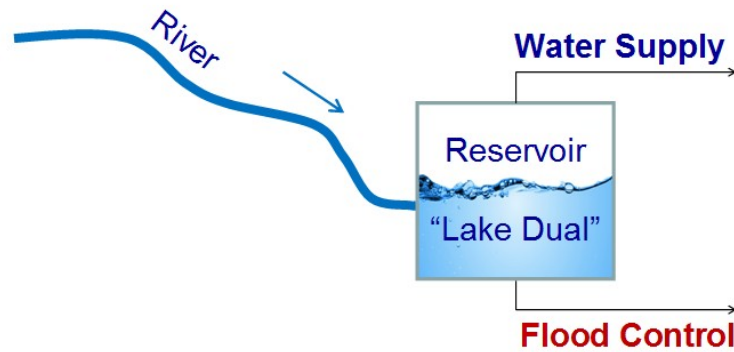
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



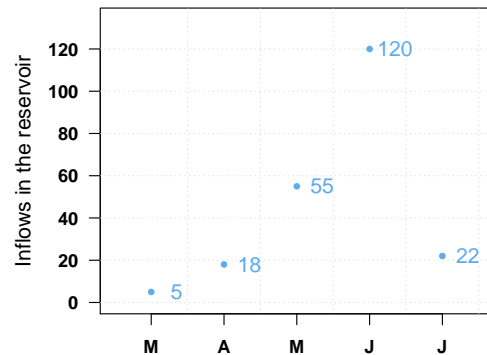
Swof Town



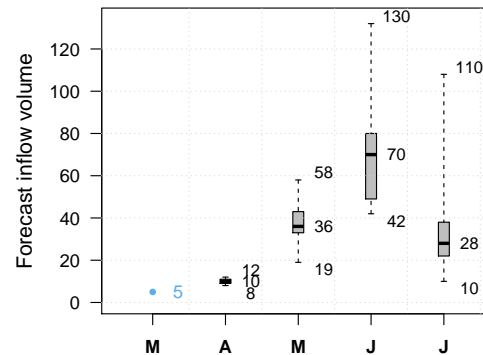
Safe Town



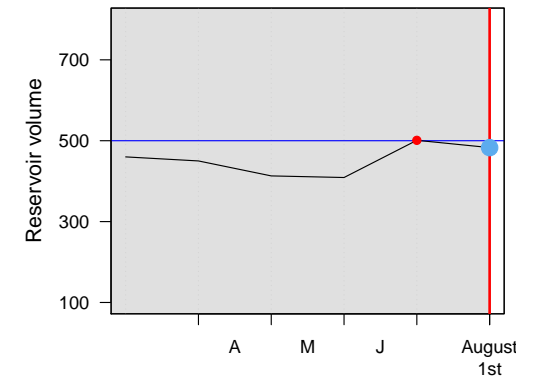
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

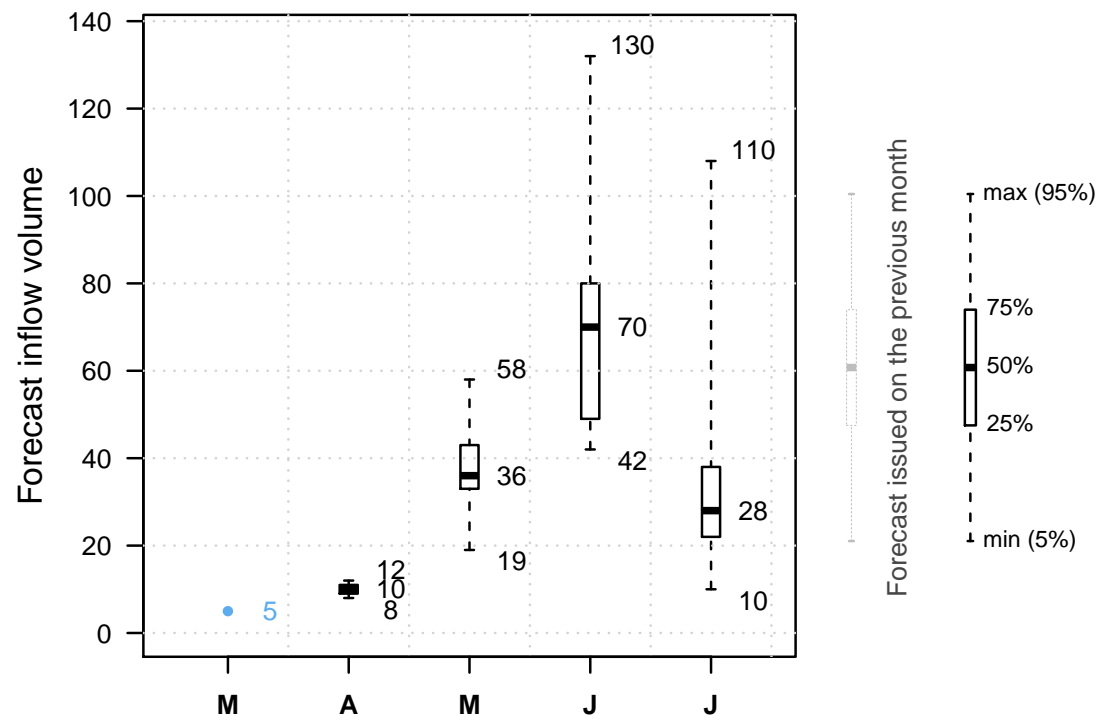


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

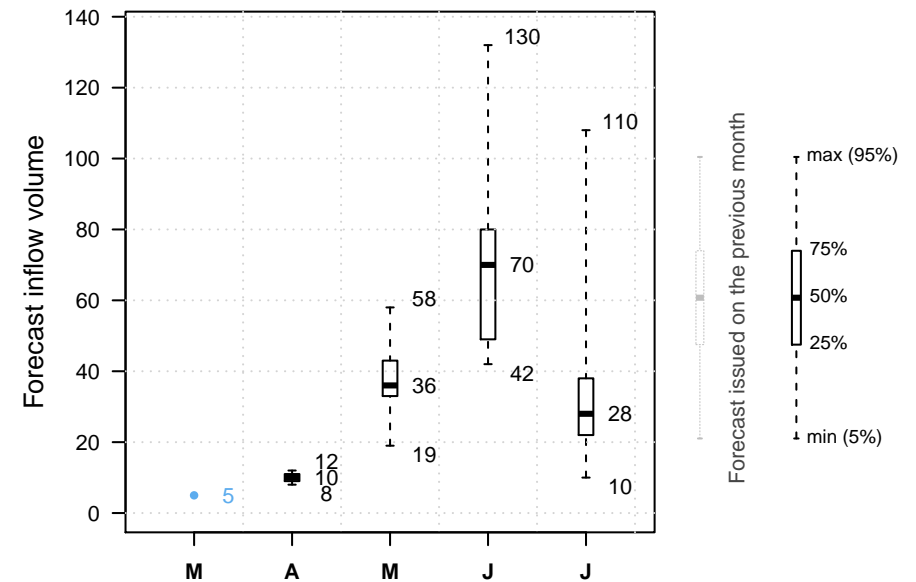
**NEXT**



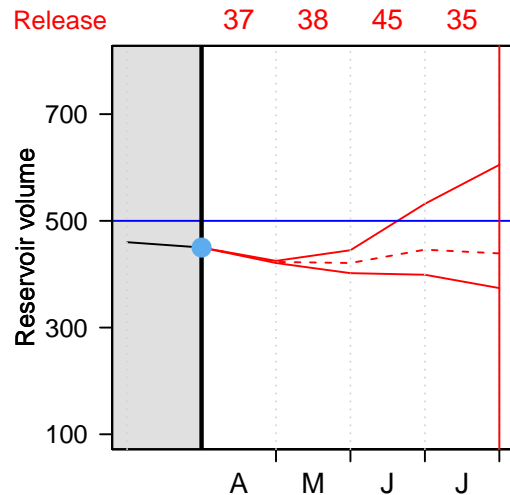
It is April 1st.

And our volunteer?

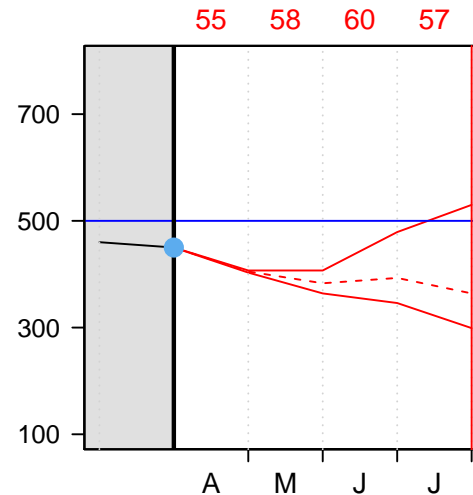
Let's see which release option our volunteer will choose.



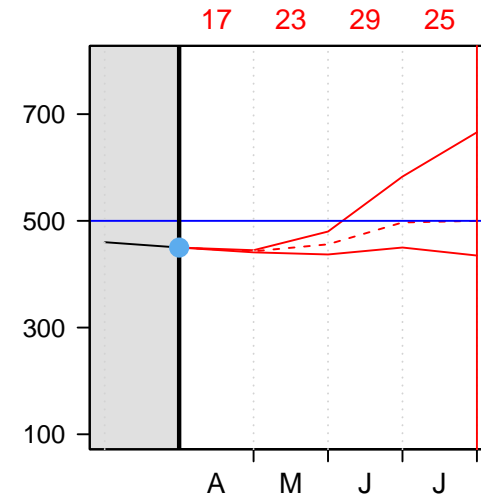
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



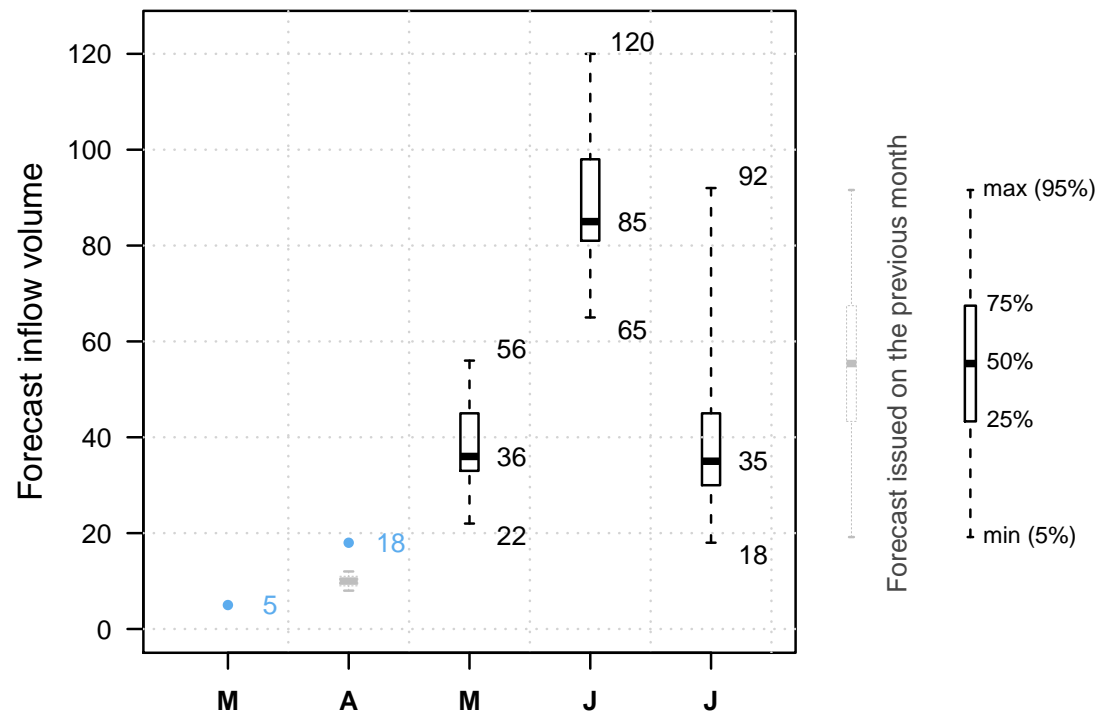


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

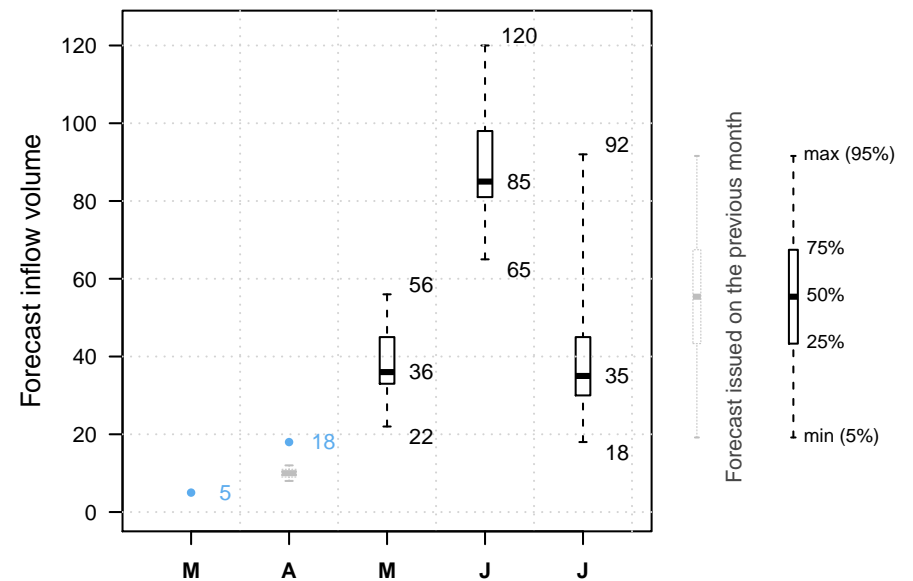
Previous decisions: C



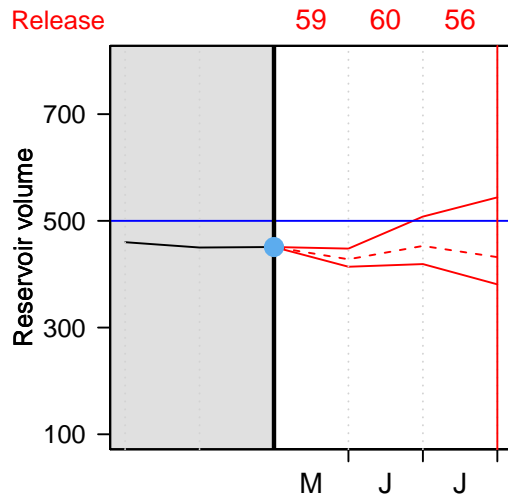
It is May 1st.

And our volunteer?

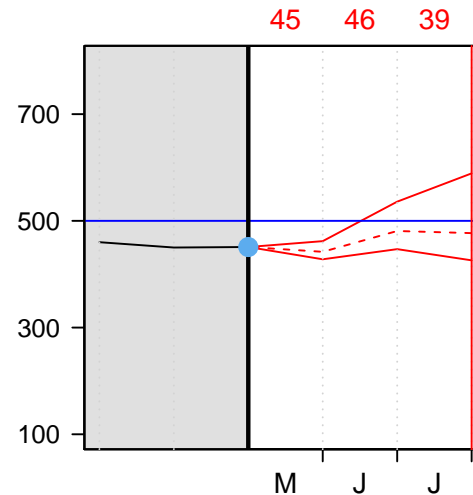
Let's see which release option our volunteer will choose.



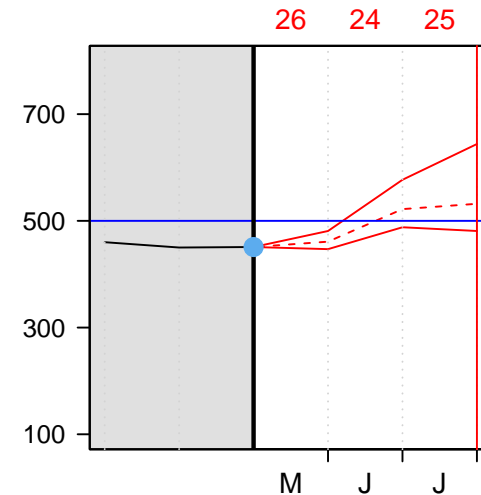
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

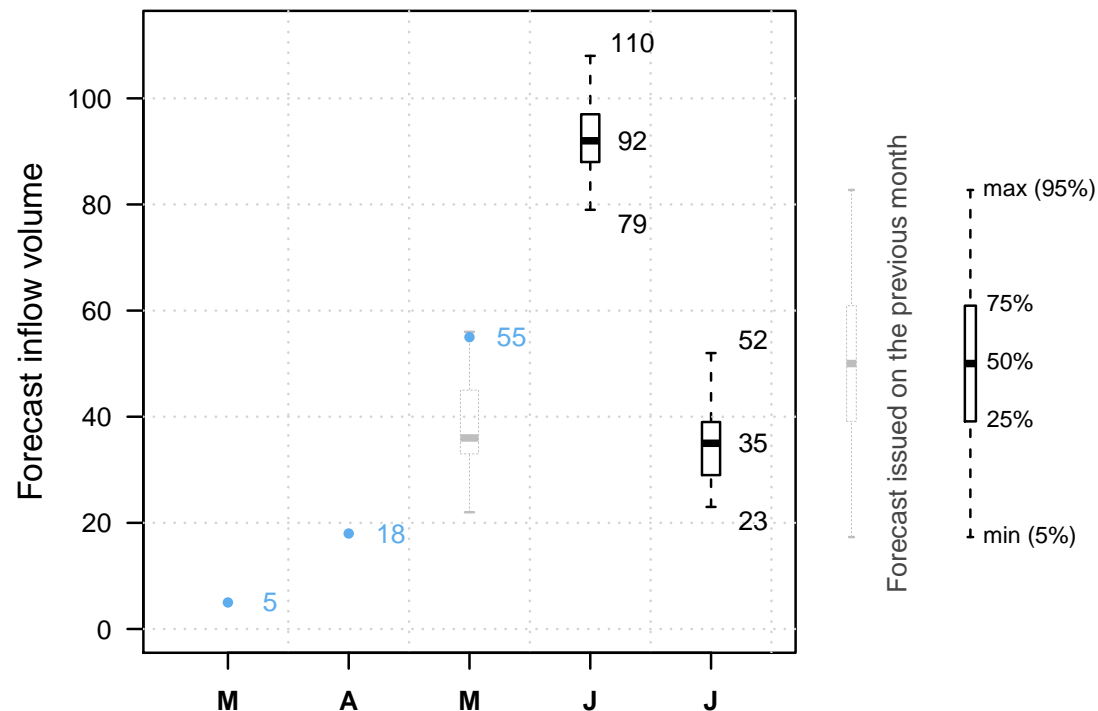


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

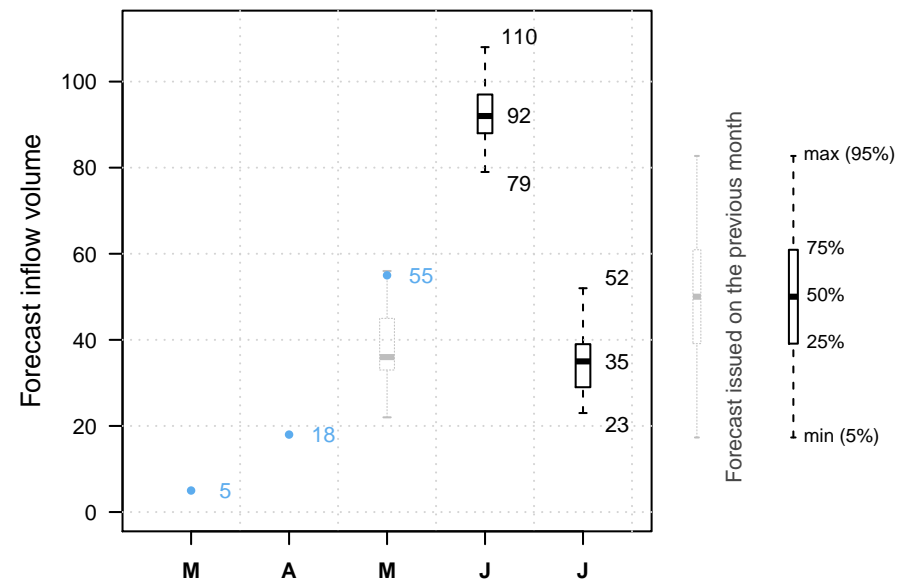
Previous decisions: C A



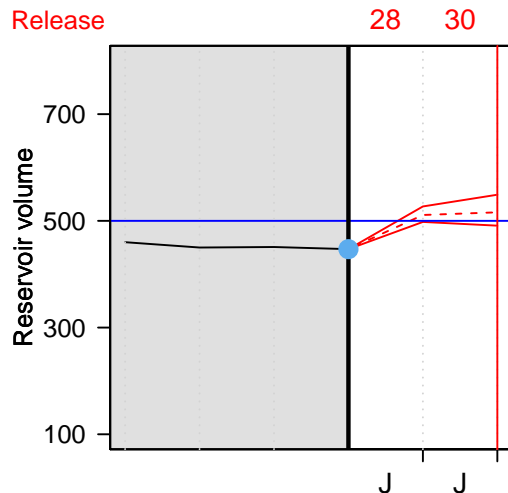
It is June 1st.

And our volunteer?

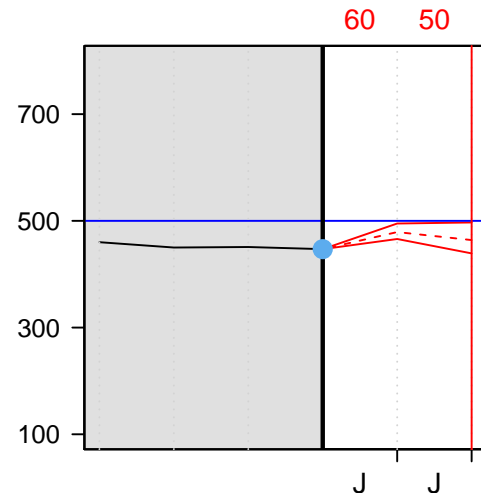
Let's see which release option our volunteer will choose.



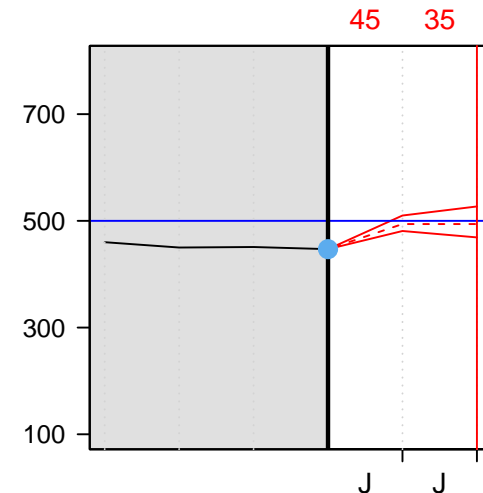
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 539 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



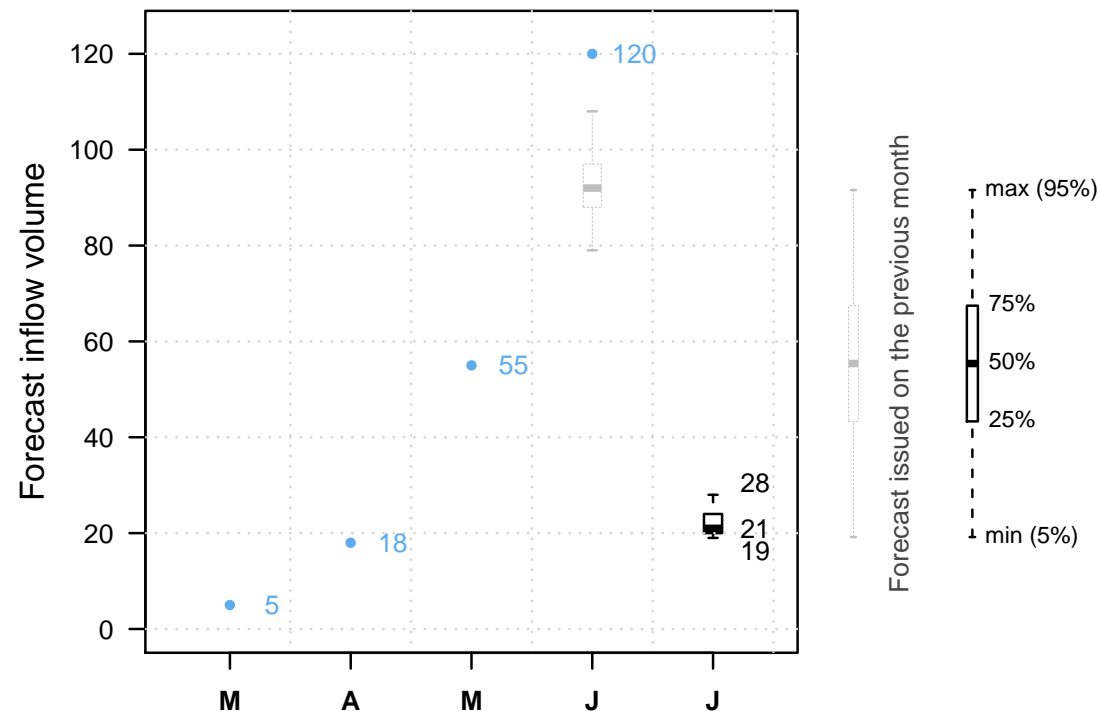


It is July 1st.

The reservoir is at 539  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

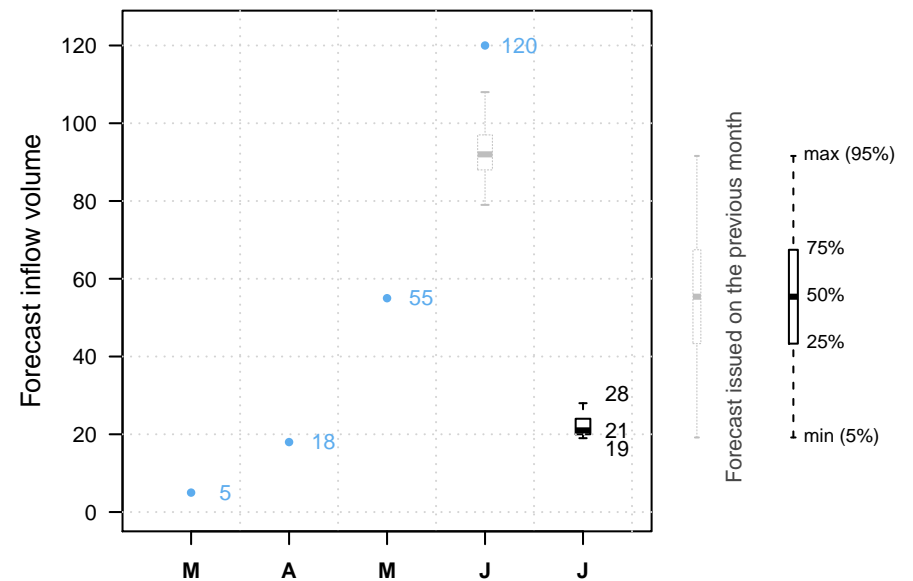
Previous decisions: C A A



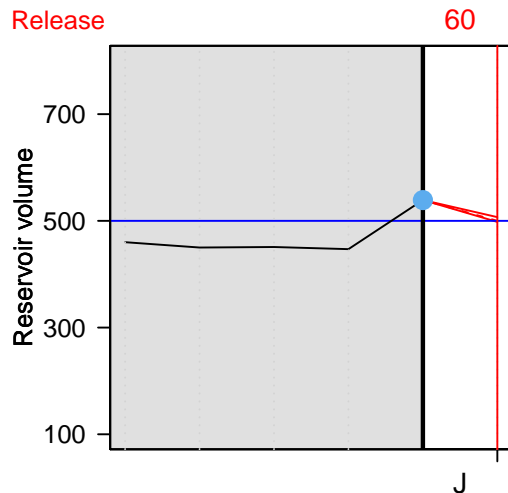
It is July 1st.

And our volunteer?

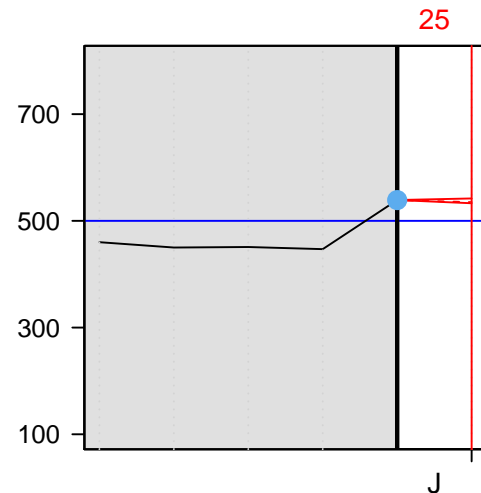
Let's see which release option our volunteer will choose.



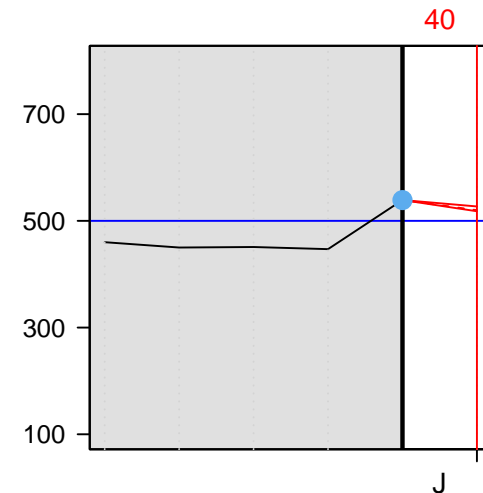
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$539 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 521 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

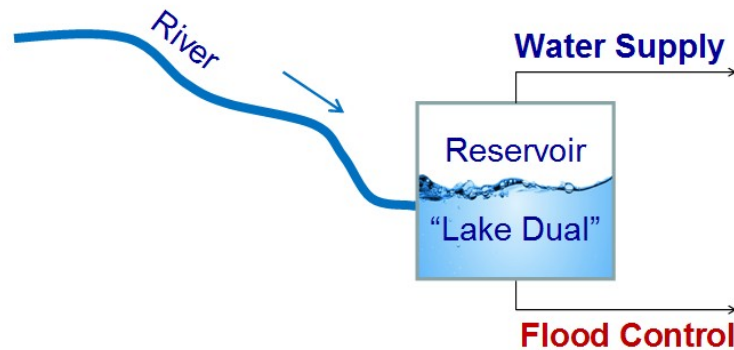
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



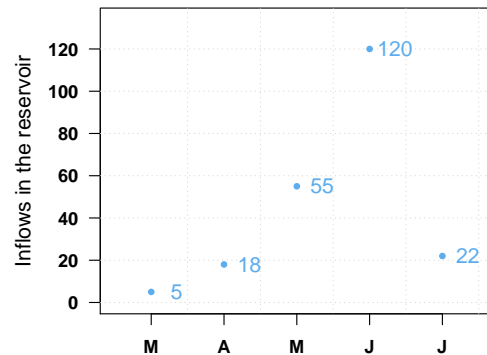
Swof Town



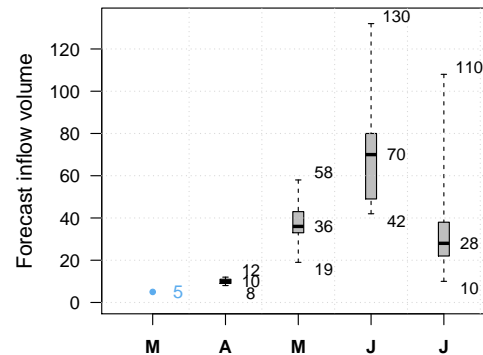
Safe Town



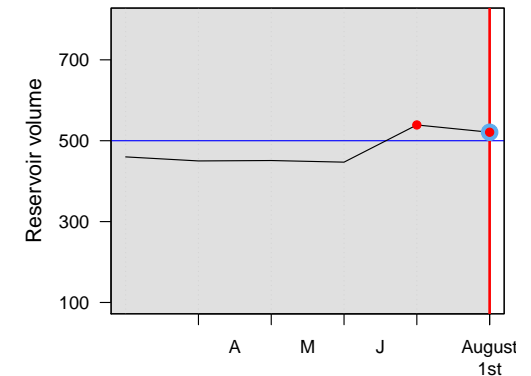
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

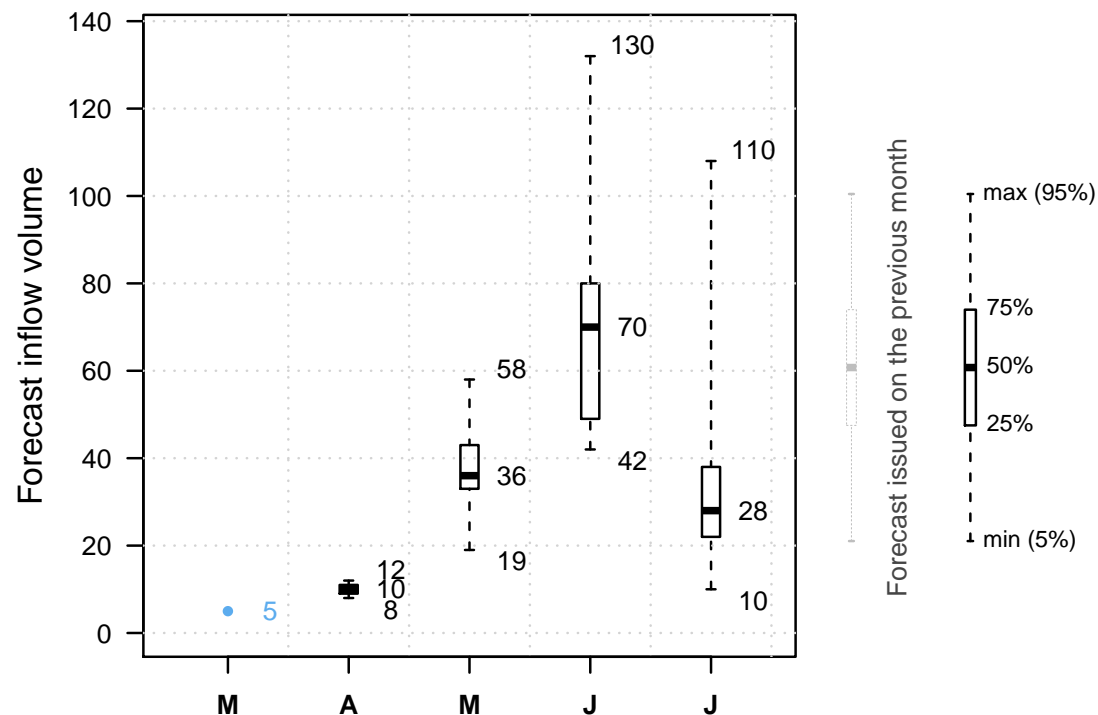


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

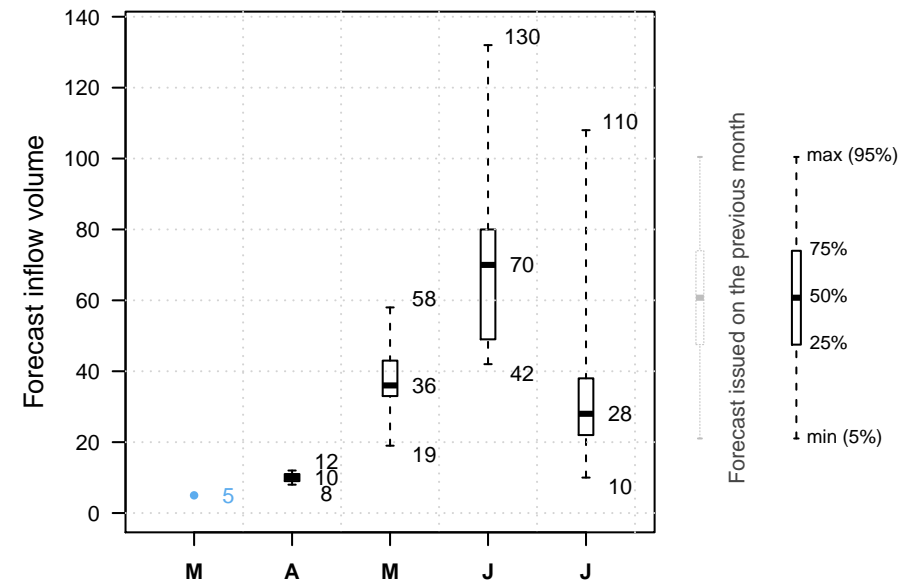
NEXT



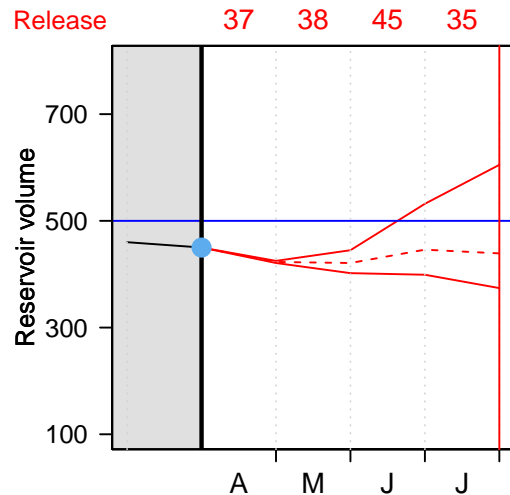
It is April 1st.

And our volunteer?

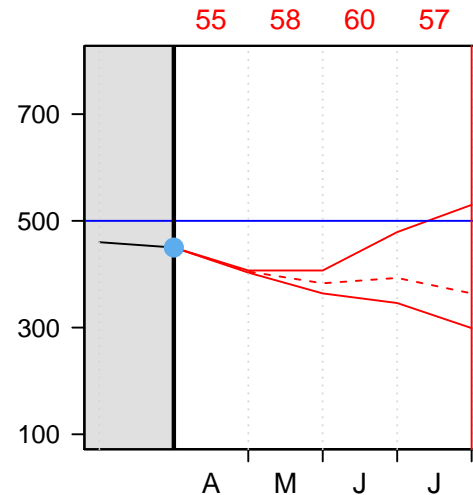
Let's see which release option our volunteer will choose.



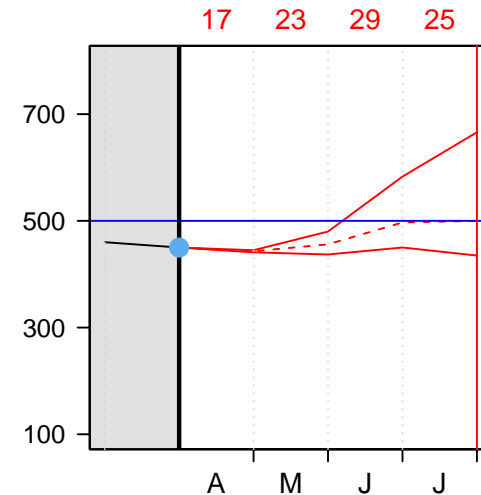
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

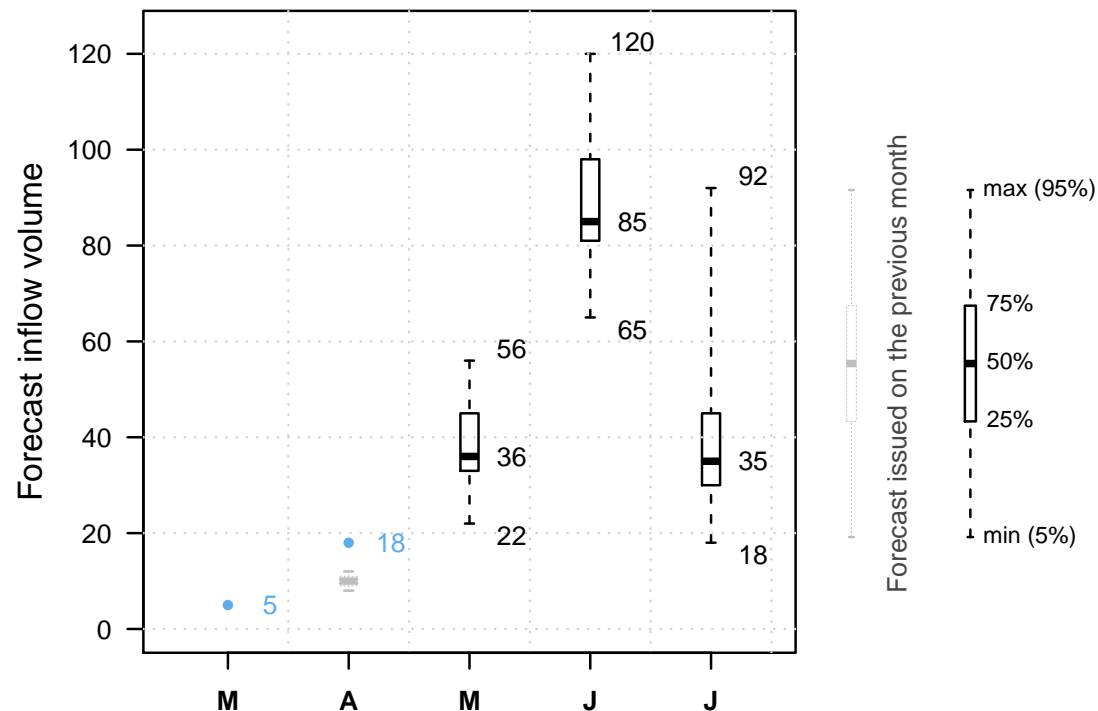


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

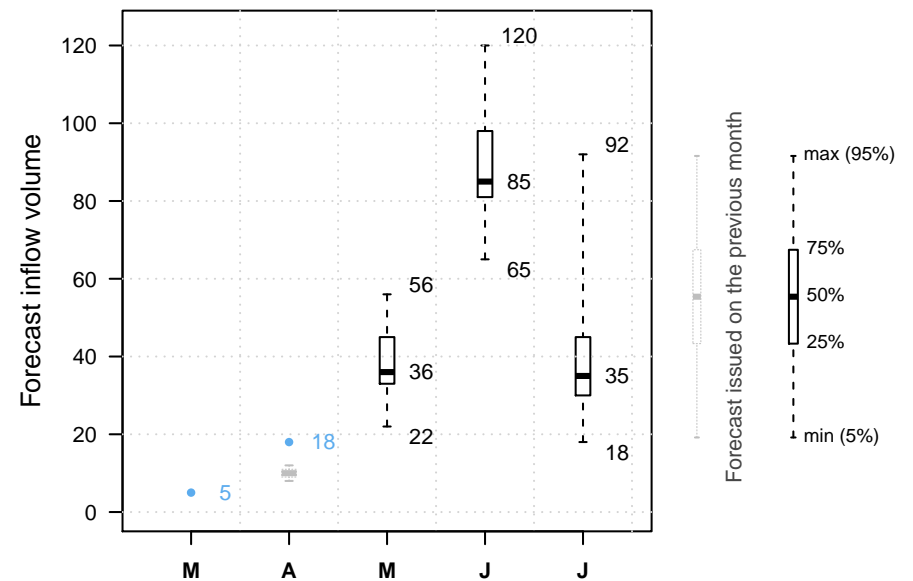
Previous decisions: A



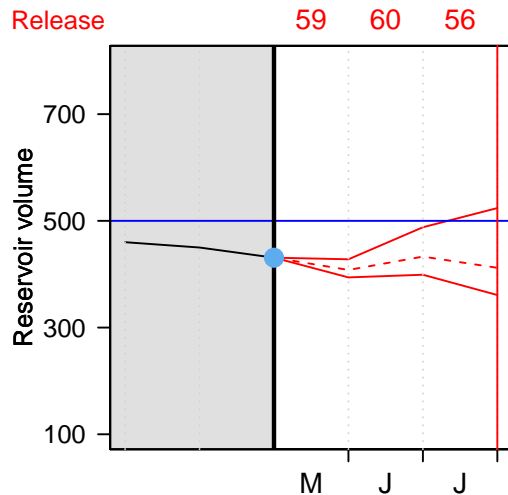
It is May 1st.

And our volunteer?

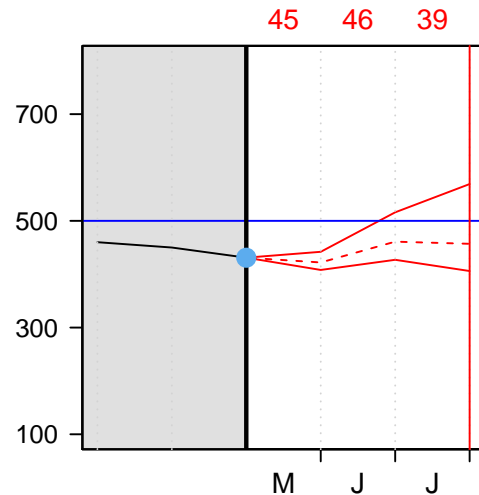
Let's see which release option our volunteer will choose.



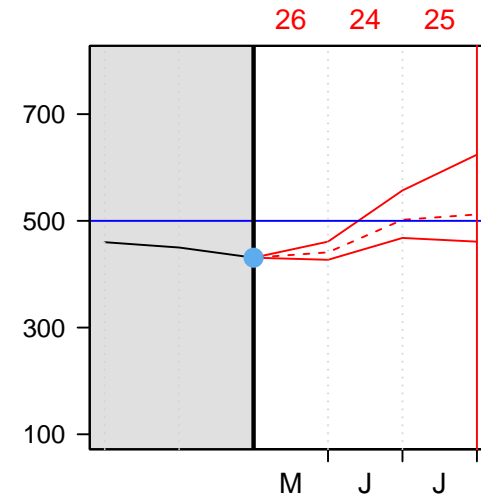
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

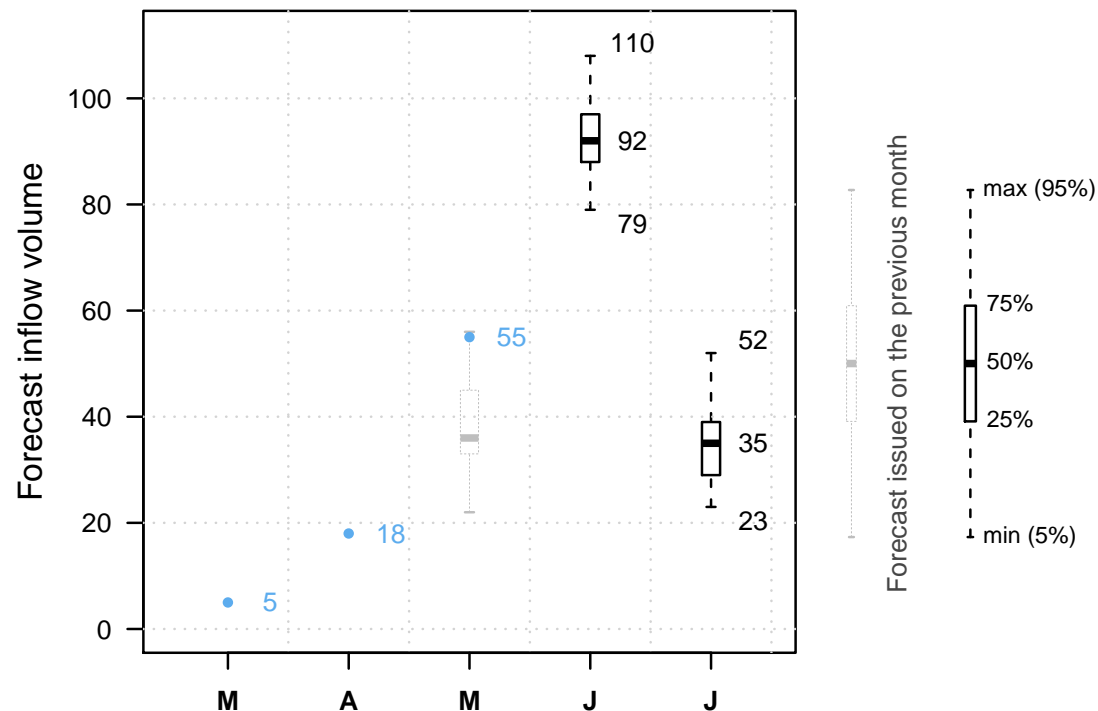


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

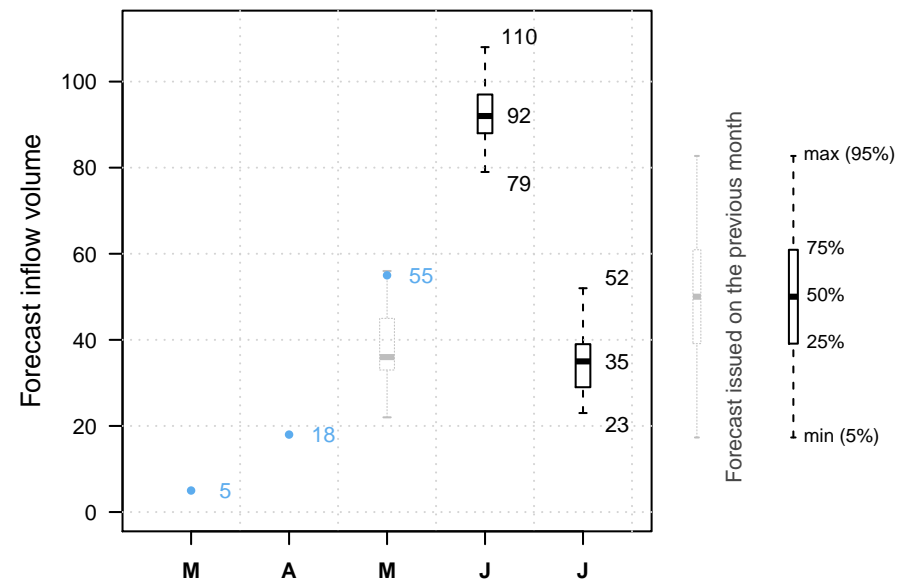
Previous decisions: A B



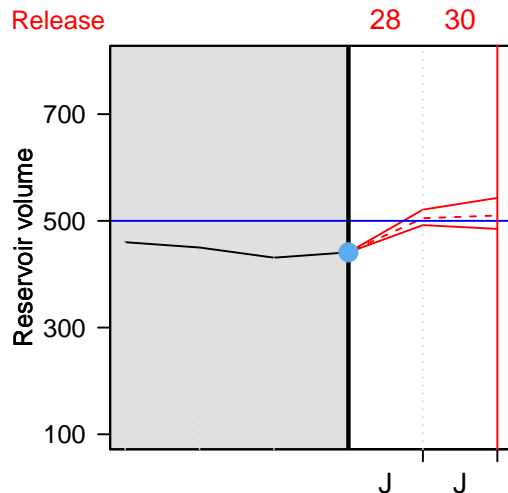
It is June 1st.

And our volunteer?

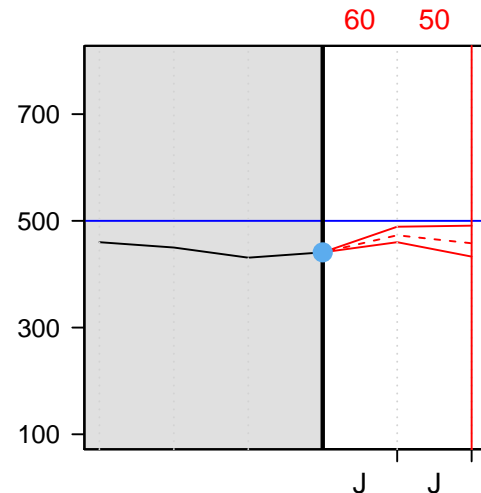
Let's see which release option our volunteer will choose.



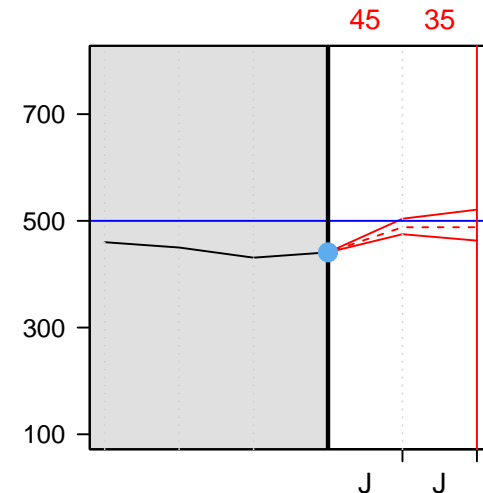
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 533 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

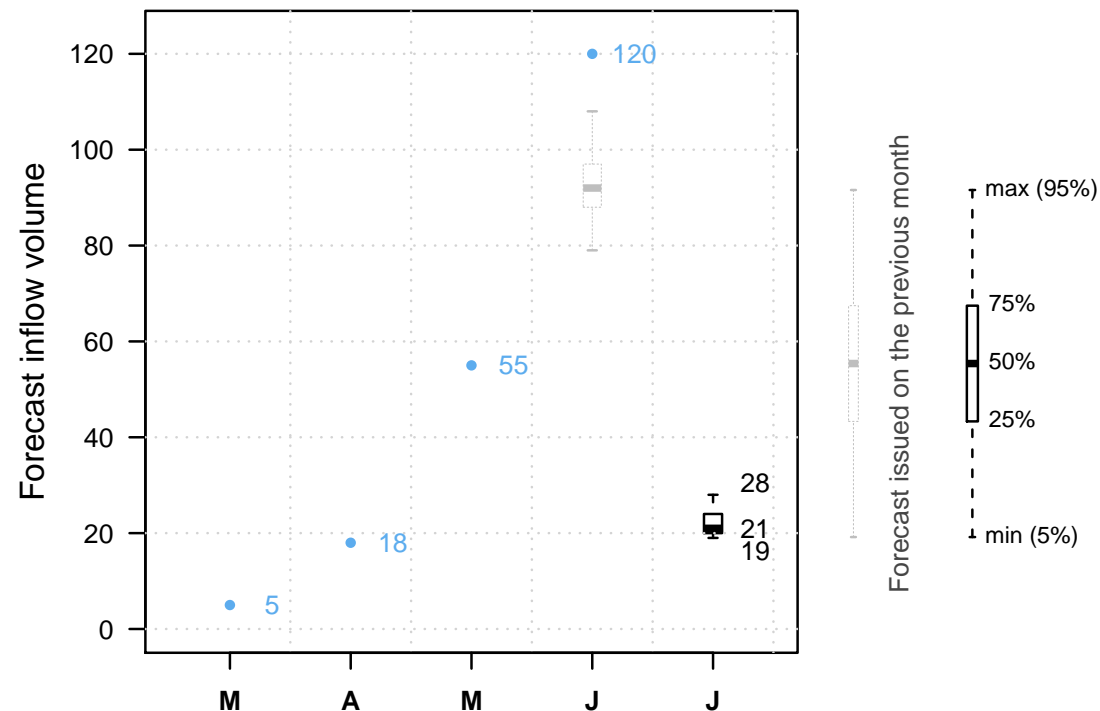


It is July 1st.

The reservoir is at  $533 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

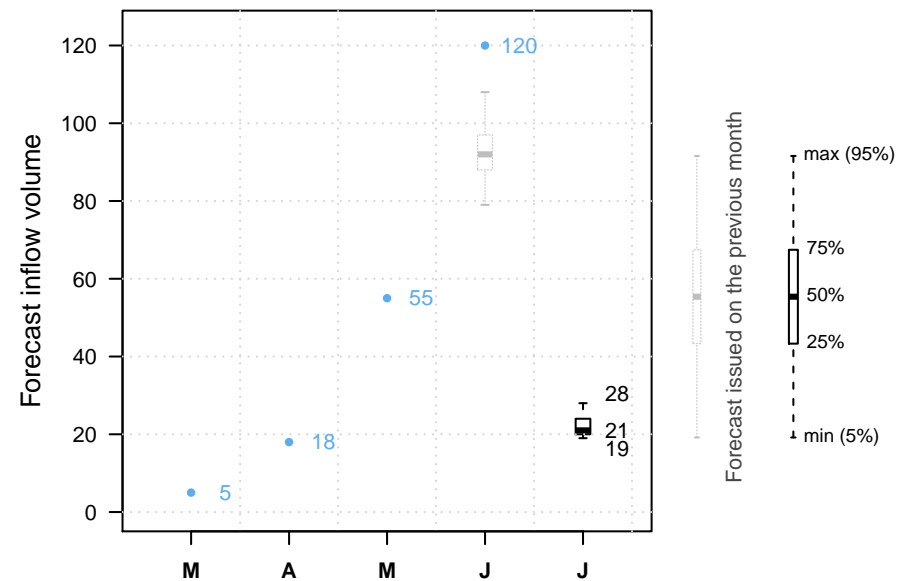
Previous decisions: A B A



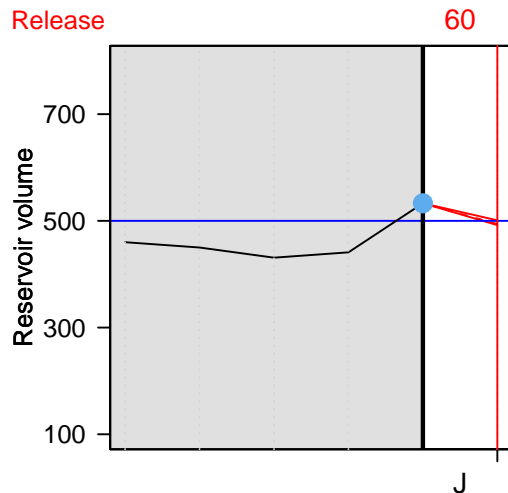
It is July 1st.

And our volunteer?

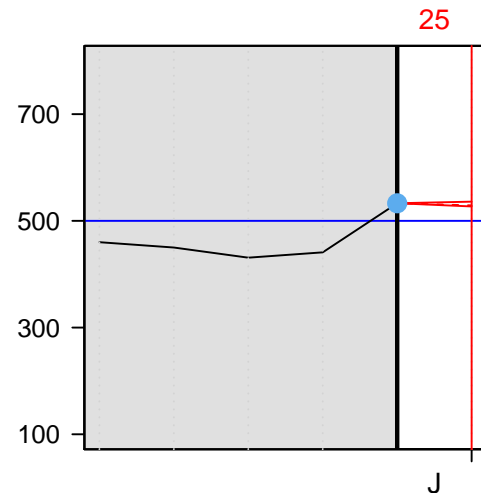
Let's see which release option our volunteer will choose.



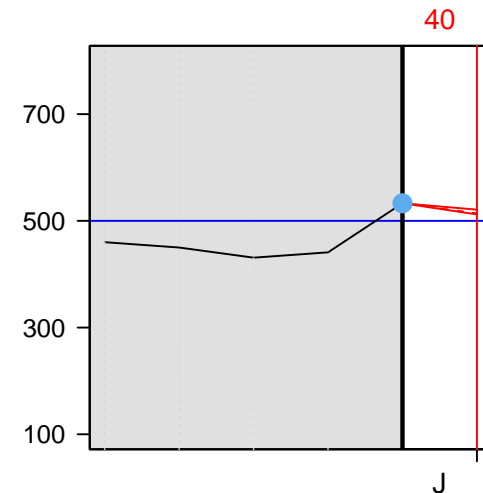
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$533 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 515 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

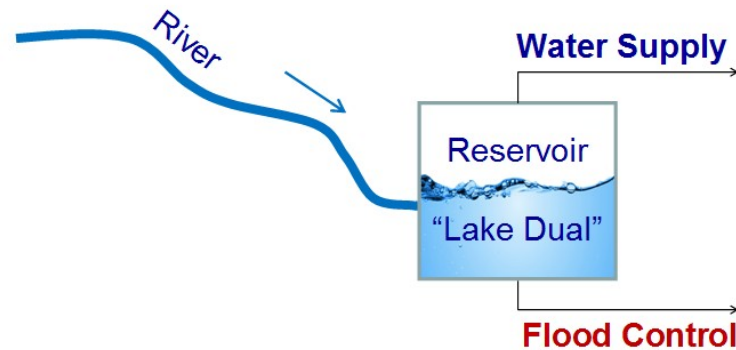
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



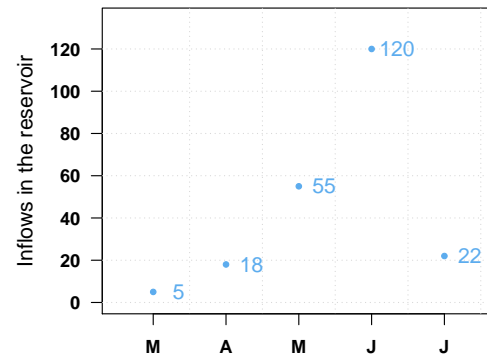
Swof Town



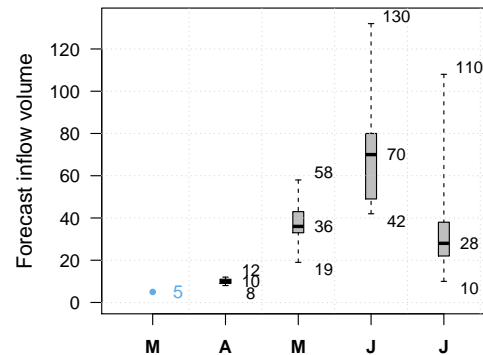
Safe Town



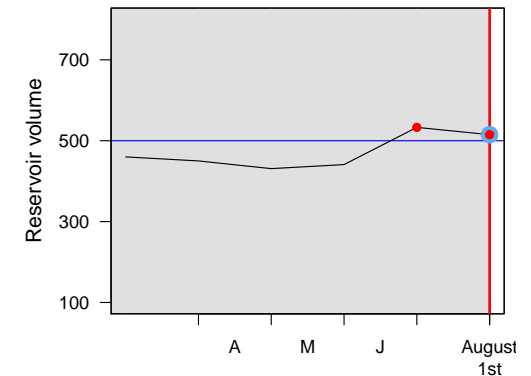
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

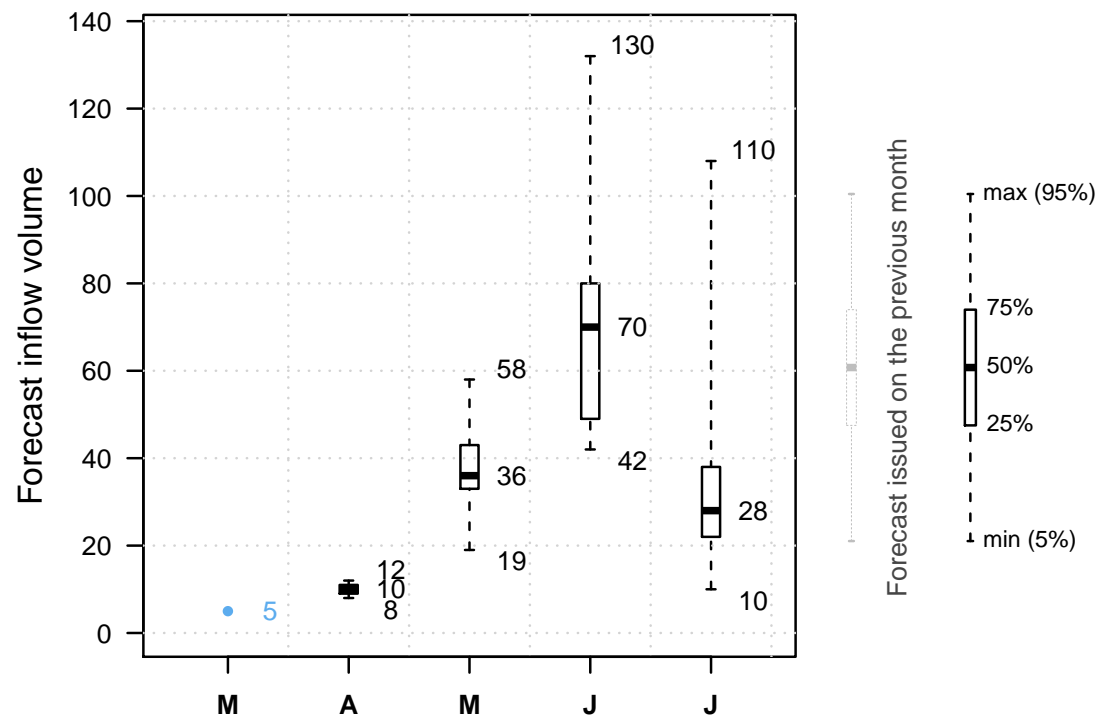


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

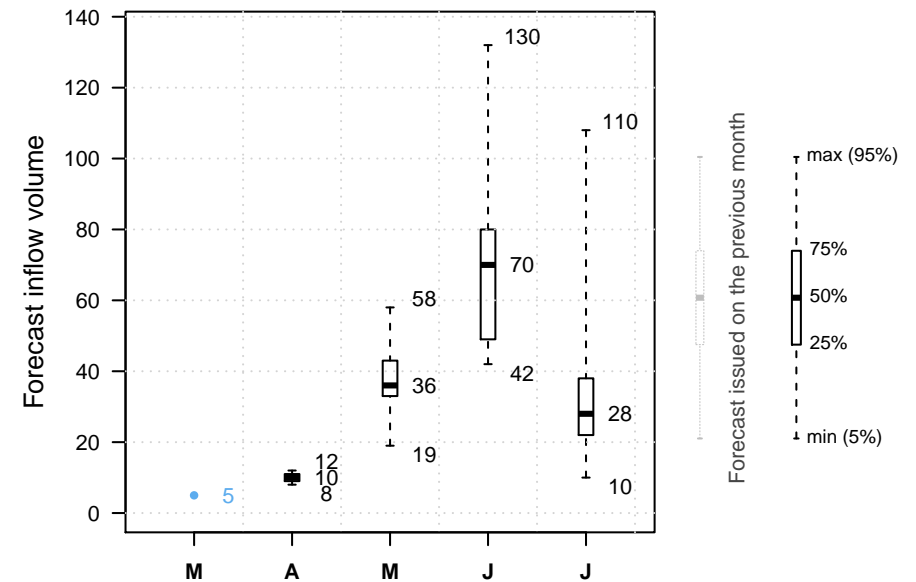
NEXT



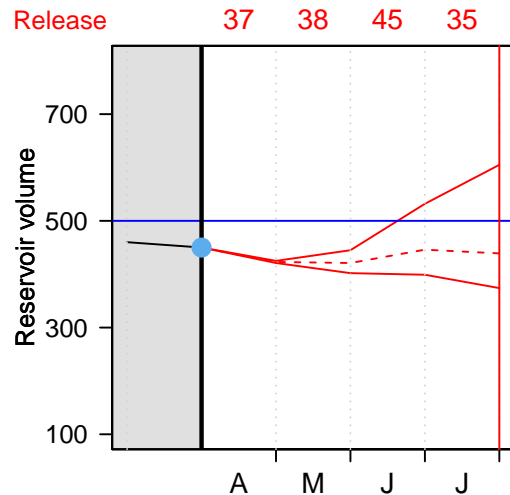
It is April 1st.

And our volunteer?

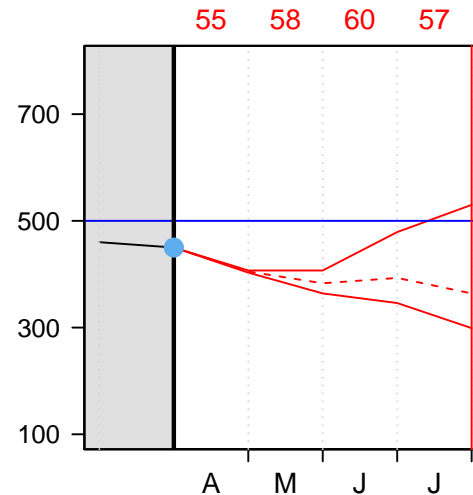
Let's see which release option our volunteer will choose.



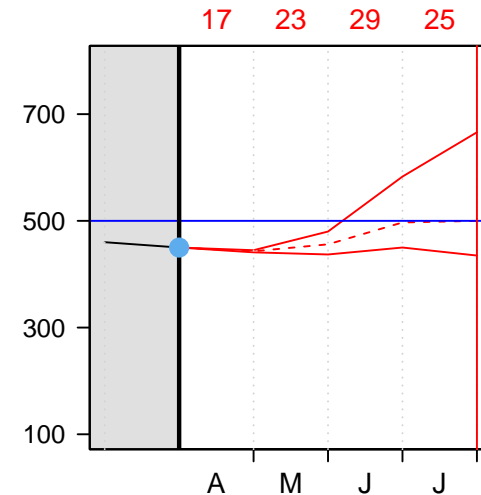
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

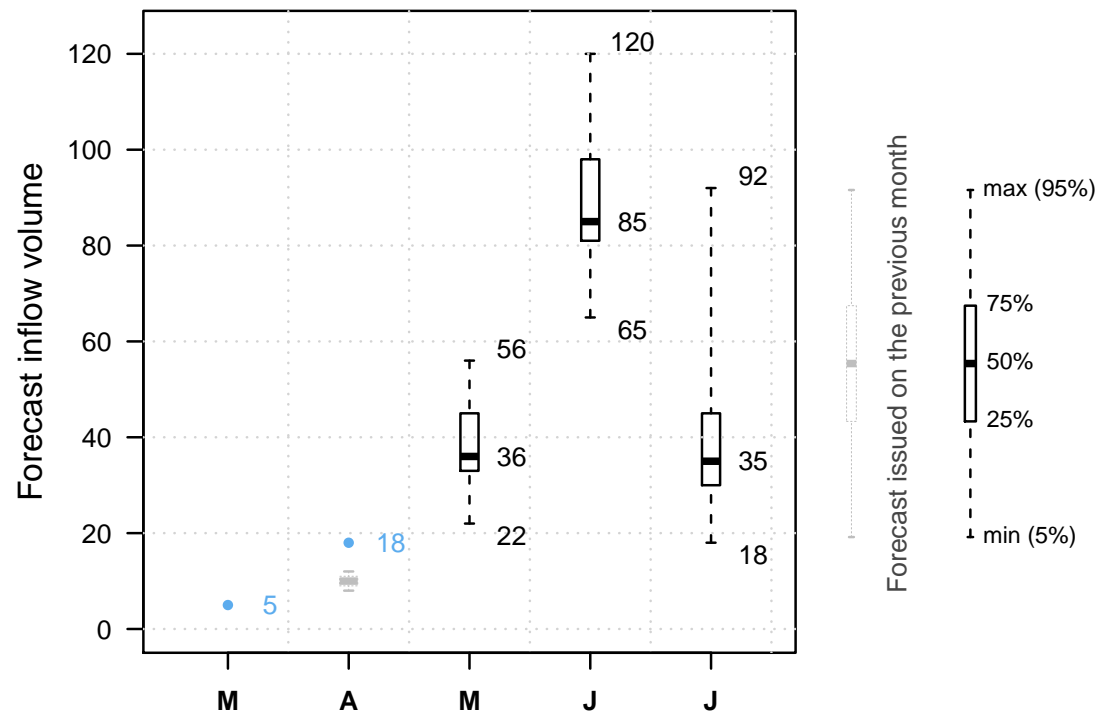


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

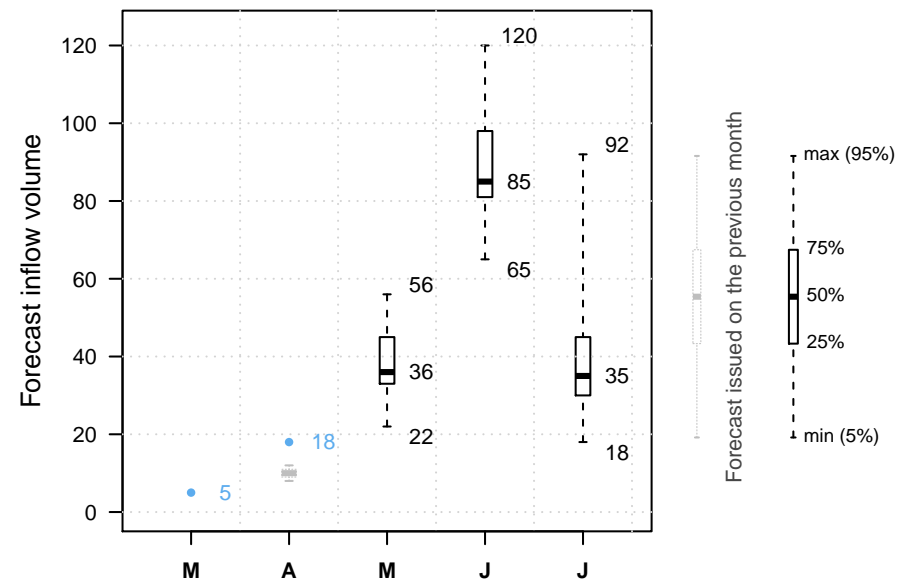
Previous decisions: B



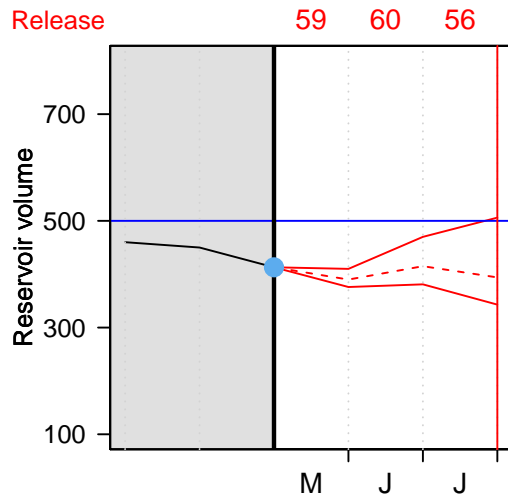
It is May 1st.

And our volunteer?

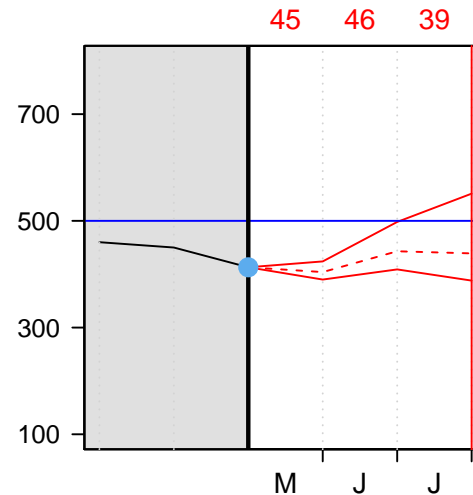
Let's see which release option our volunteer will choose.



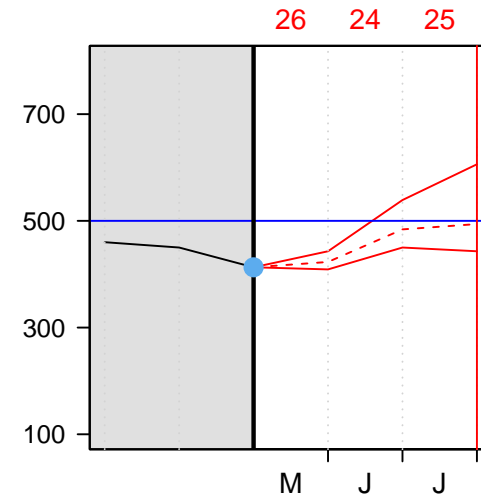
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

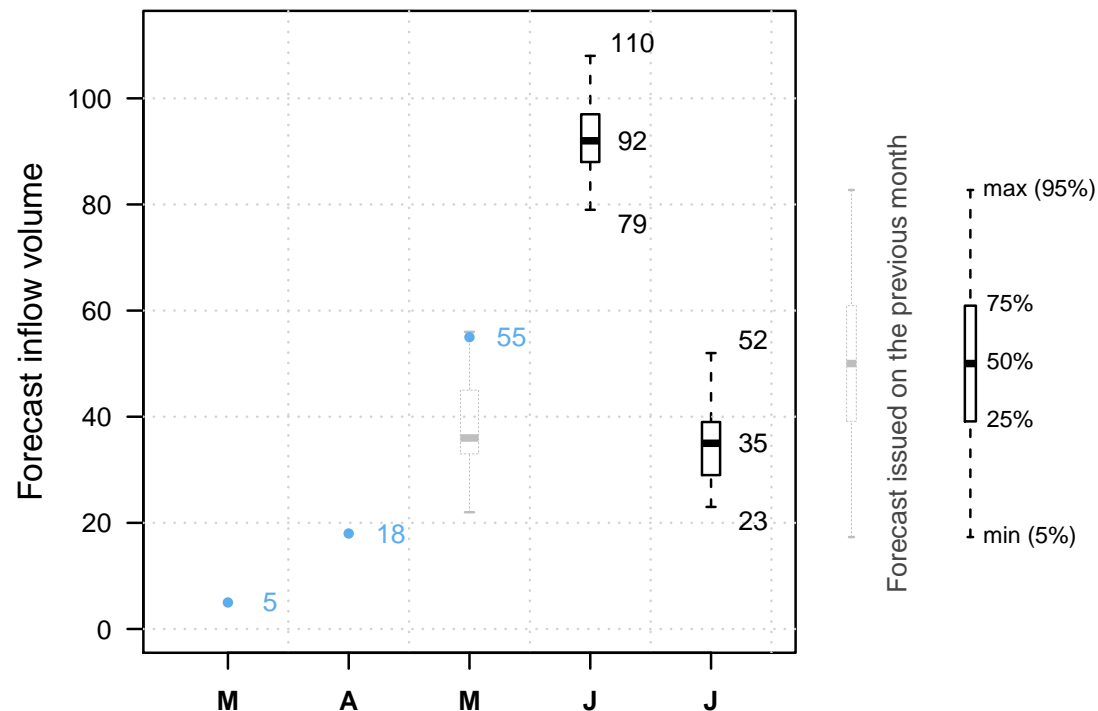


It is June 1st.

The reservoir is at  $423 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

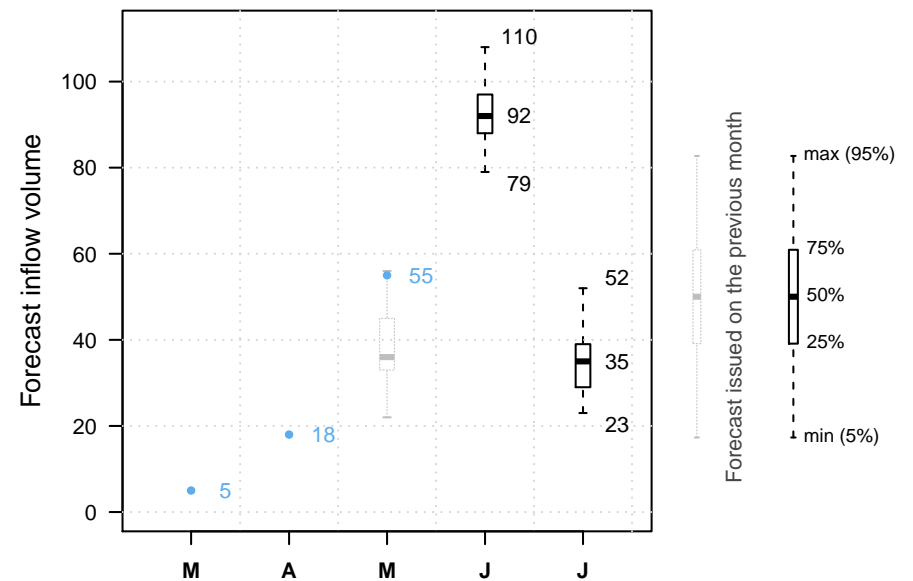
Previous decisions: B B



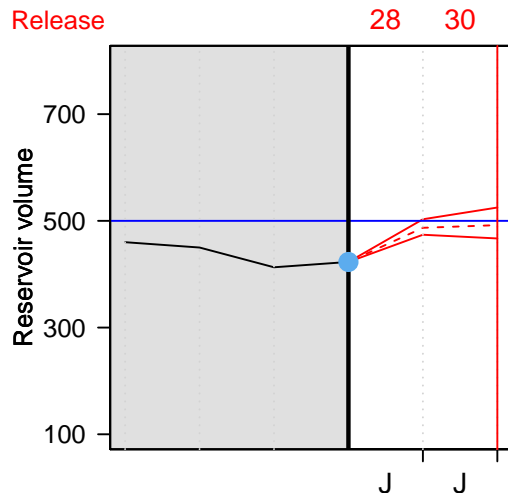
It is June 1st.

And our volunteer?

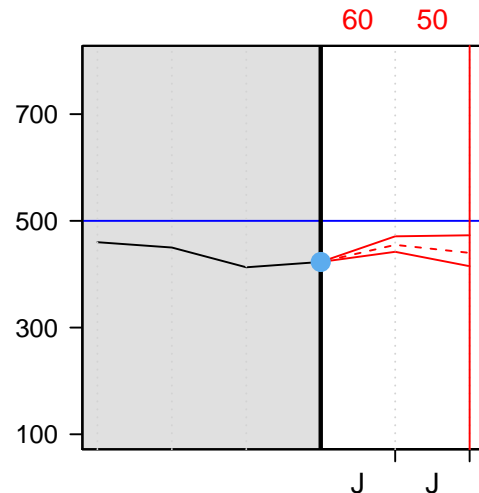
Let's see which release option our volunteer will choose.



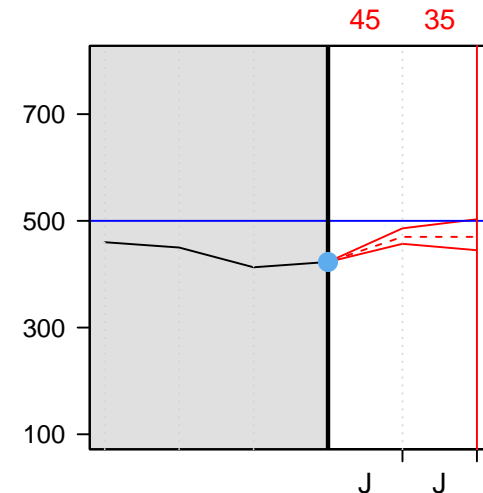
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 515 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

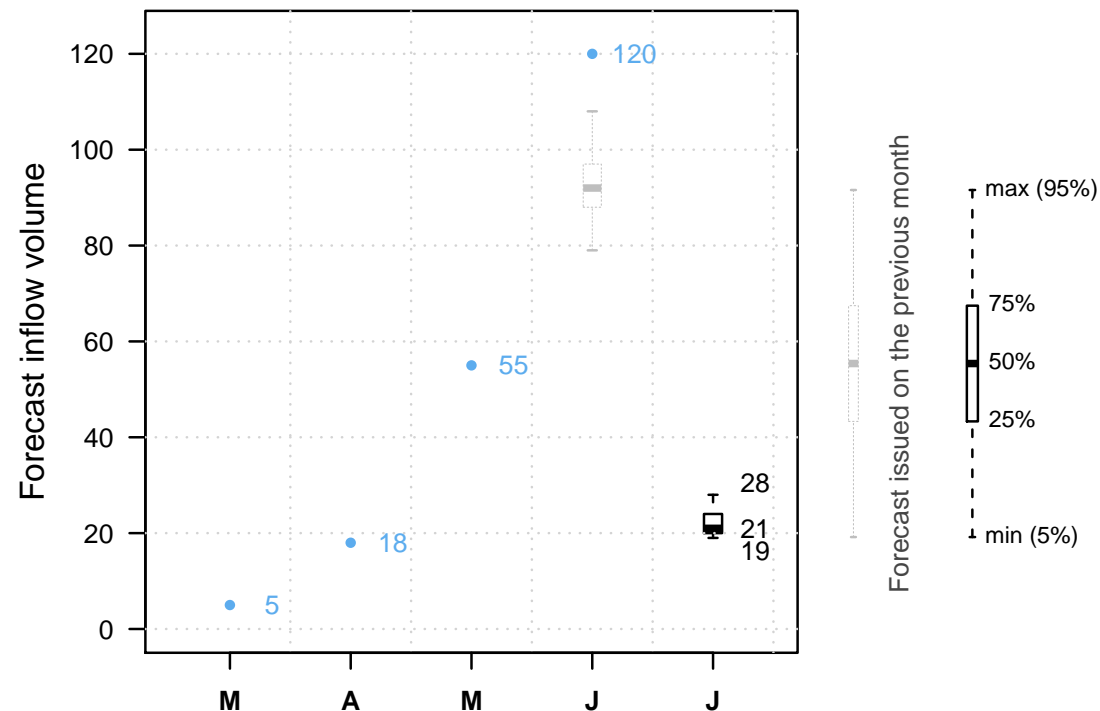


It is July 1st.

The reservoir is at  $515 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

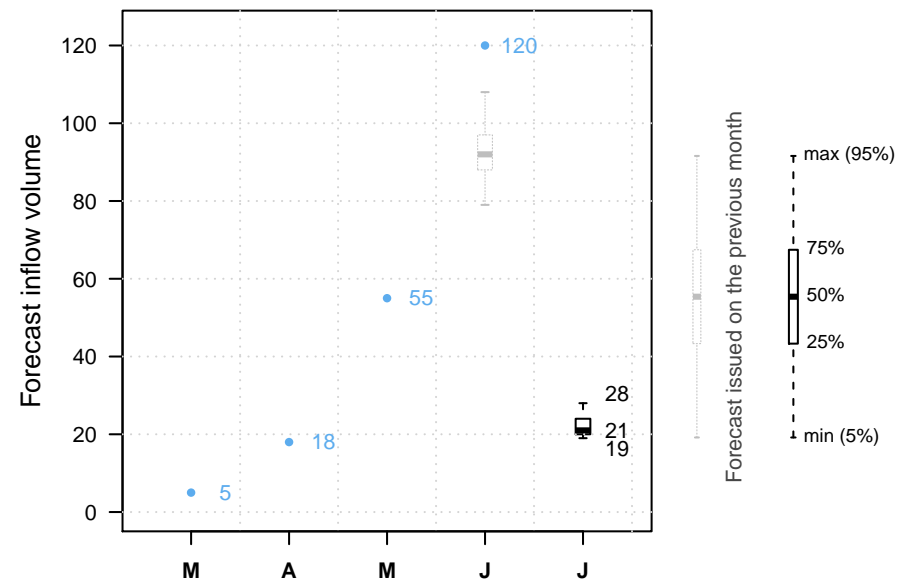
Previous decisions: B B A



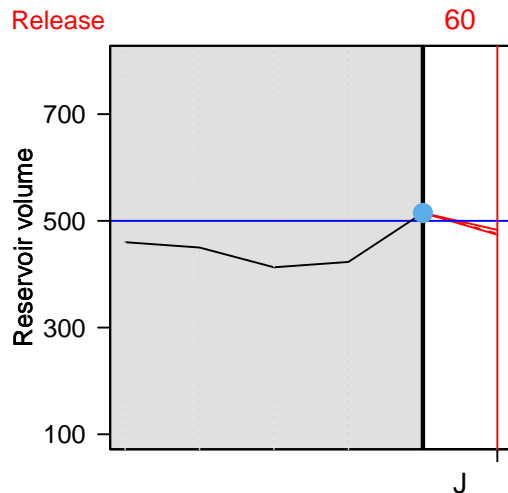
It is July 1st.

And our volunteer?

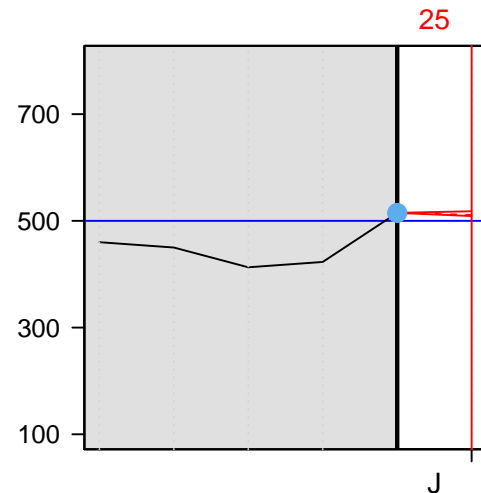
Let's see which release option our volunteer will choose.



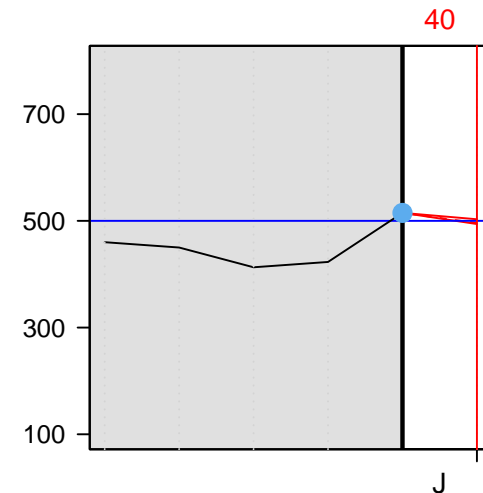
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$515 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 497 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

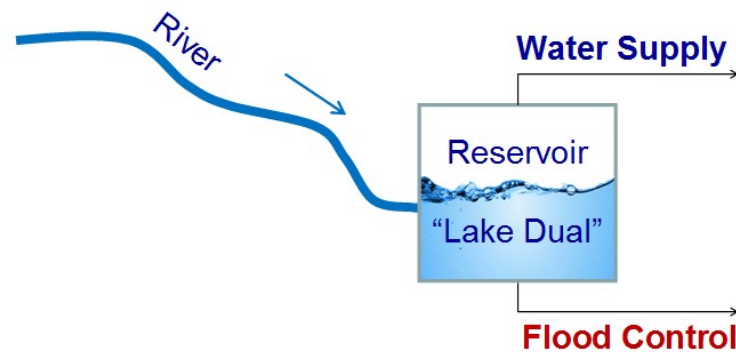
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



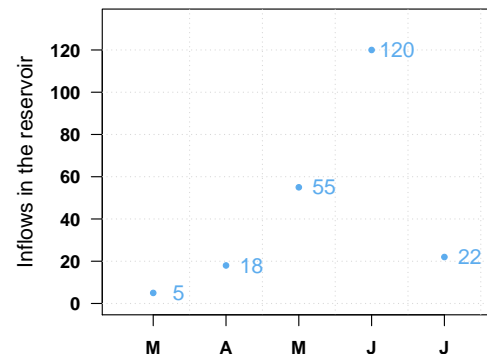
Swof Town



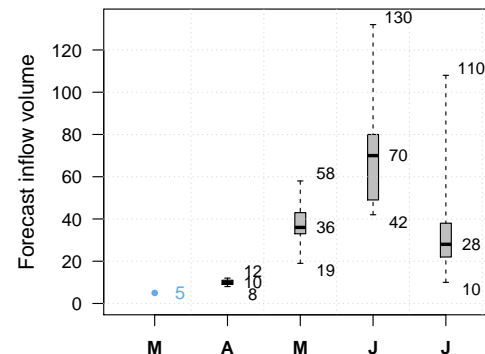
Safe Town



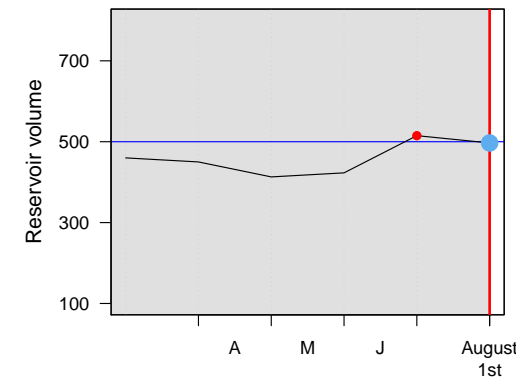
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

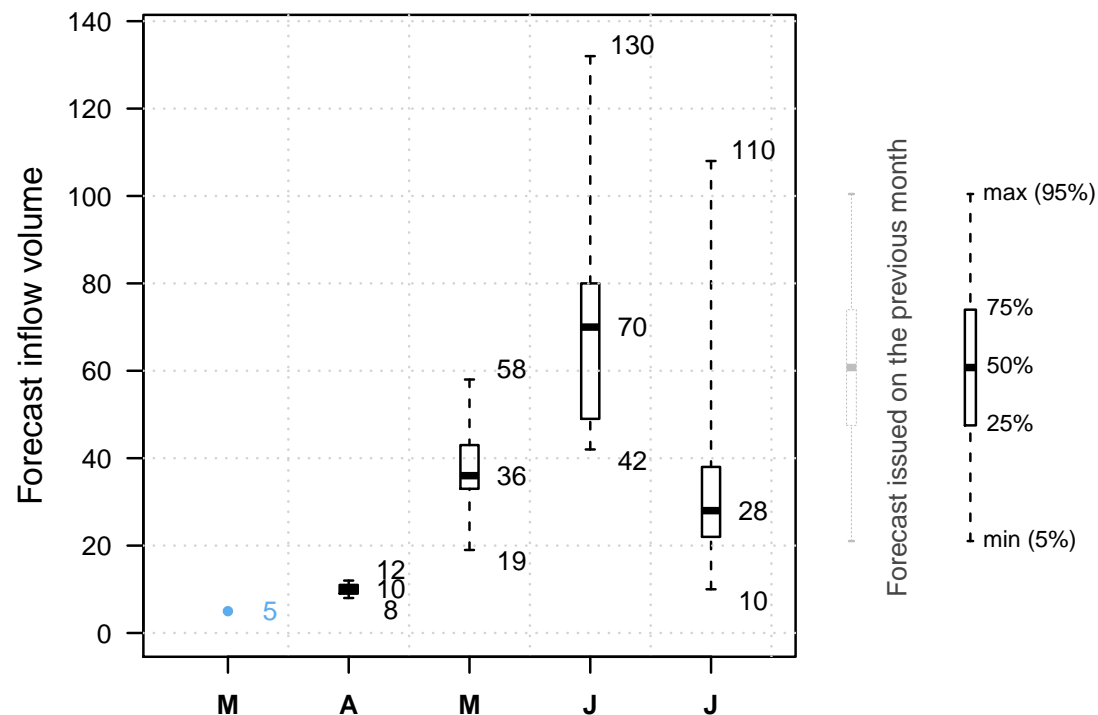


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

NEXT

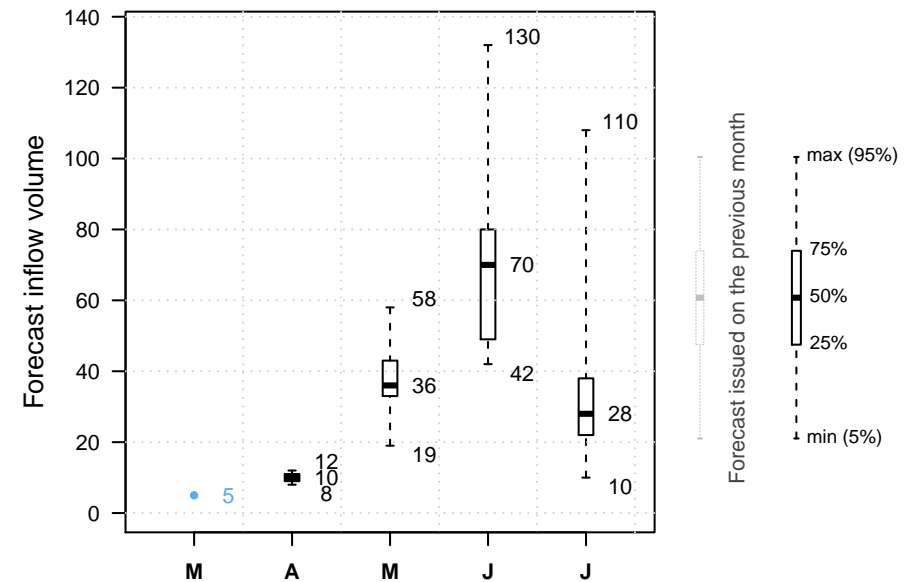




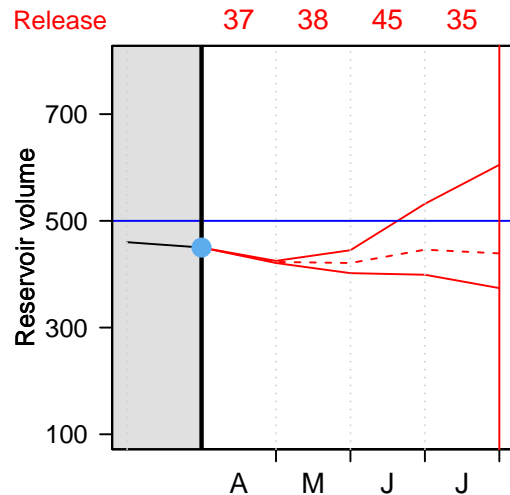
It is April 1st.

And our volunteer?

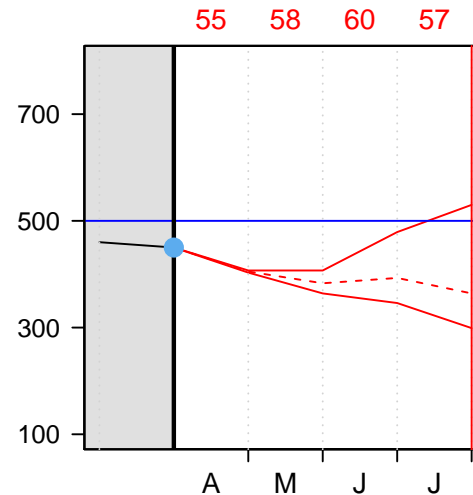
Let's see which release option our volunteer will choose.



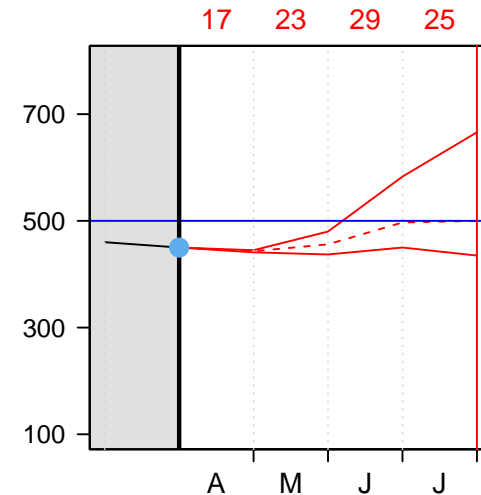
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

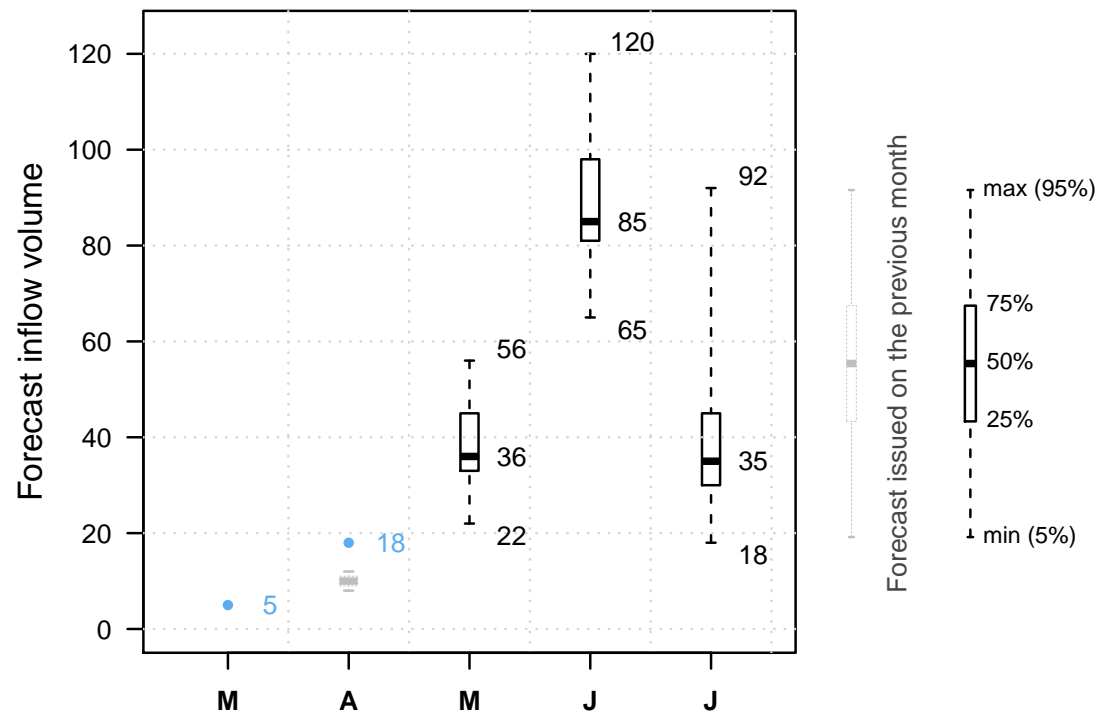


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

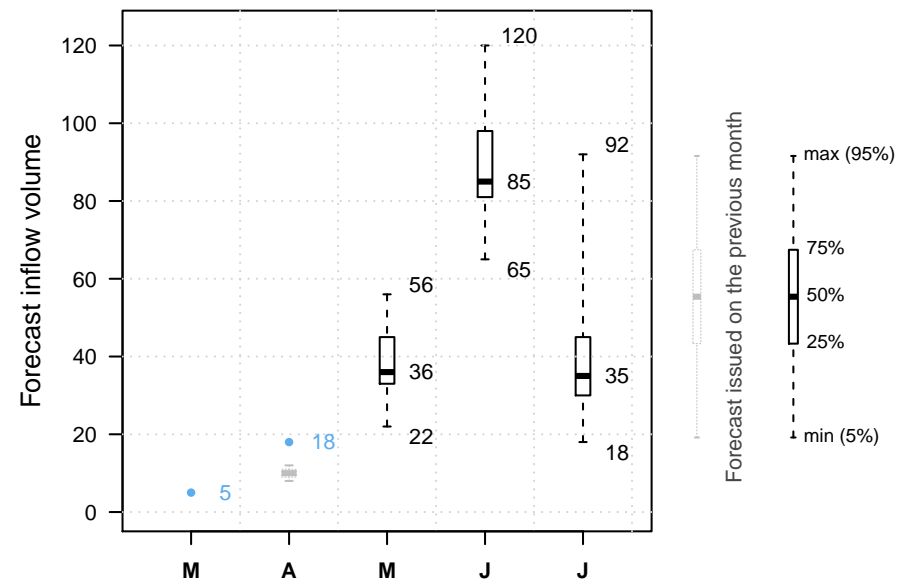
Previous decisions: C



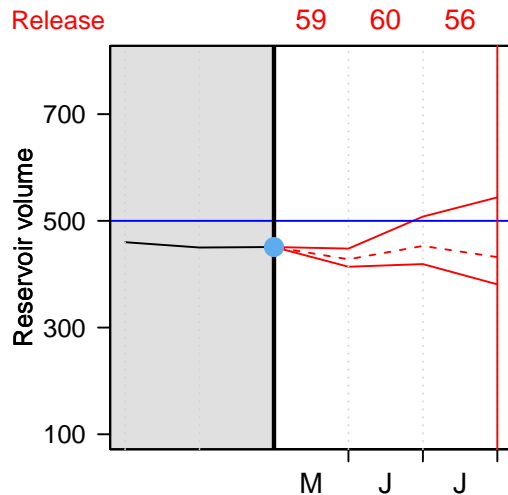
It is May 1st.

And our volunteer?

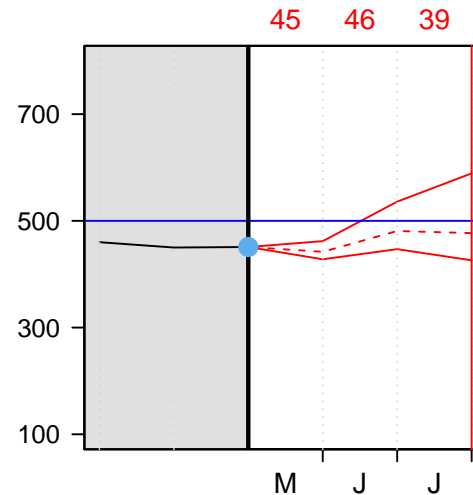
Let's see which release option our volunteer will choose.



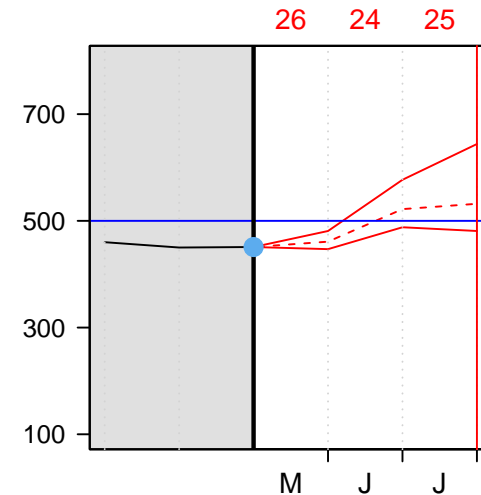
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

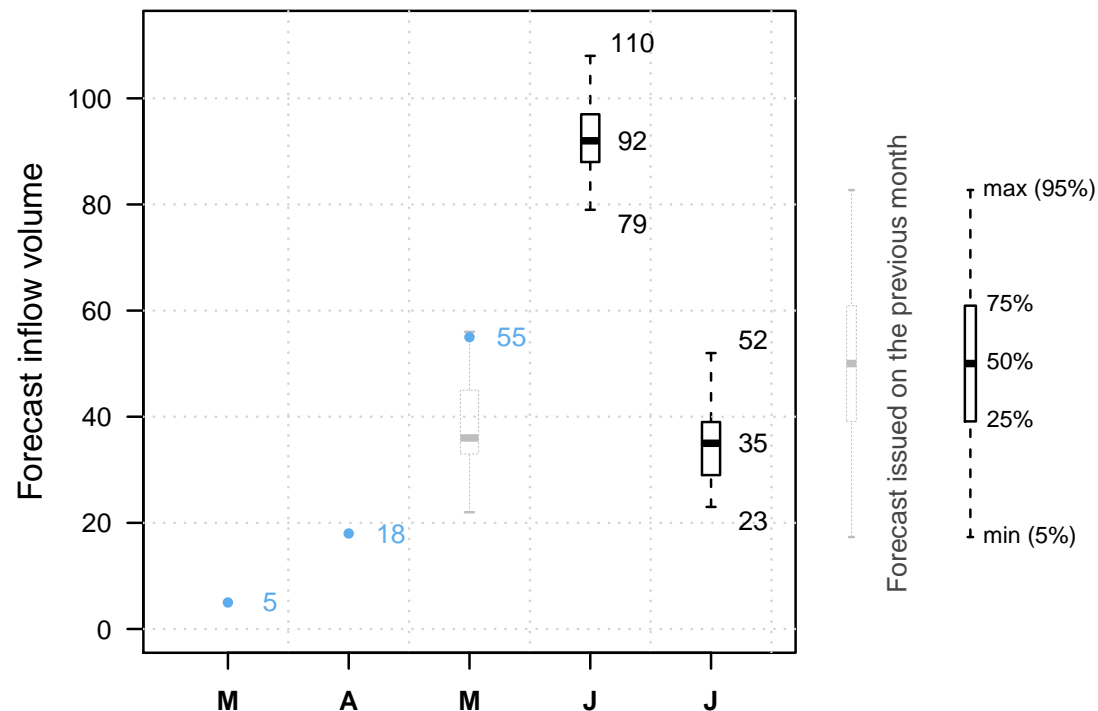


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



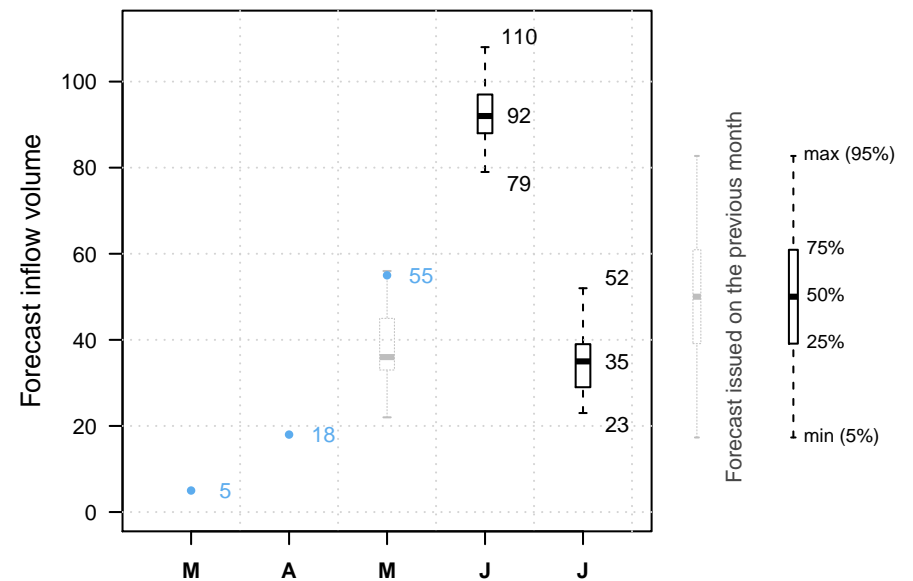
Previous decisions: C B



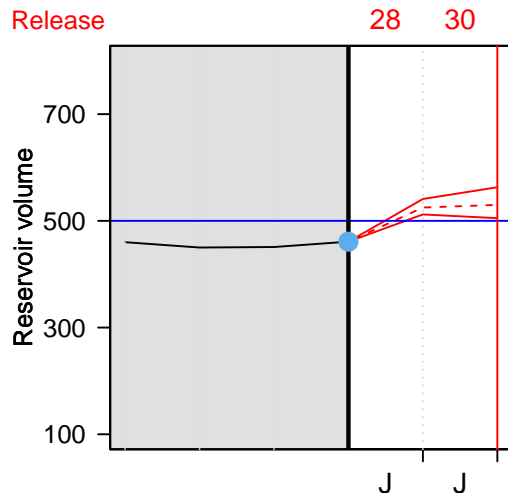
It is June 1st.

And our volunteer?

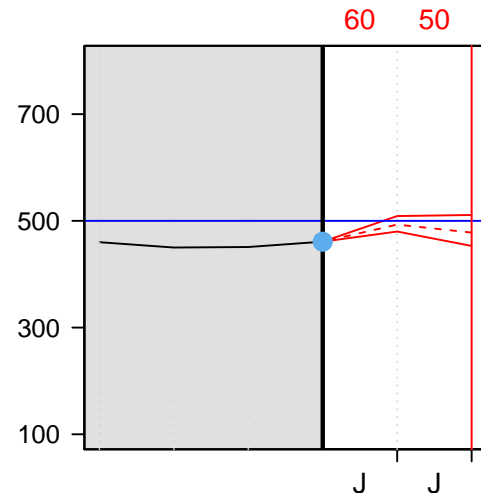
Let's see which release option our volunteer will choose.



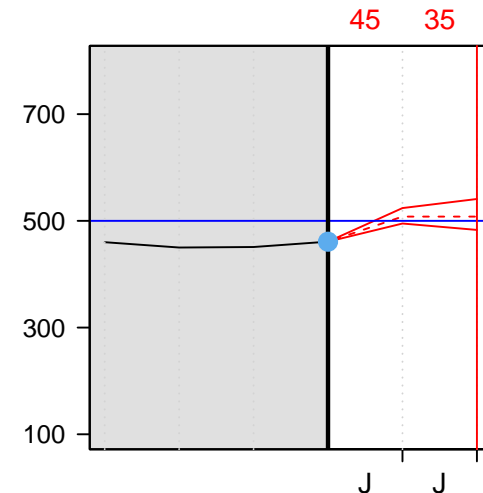
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 553 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

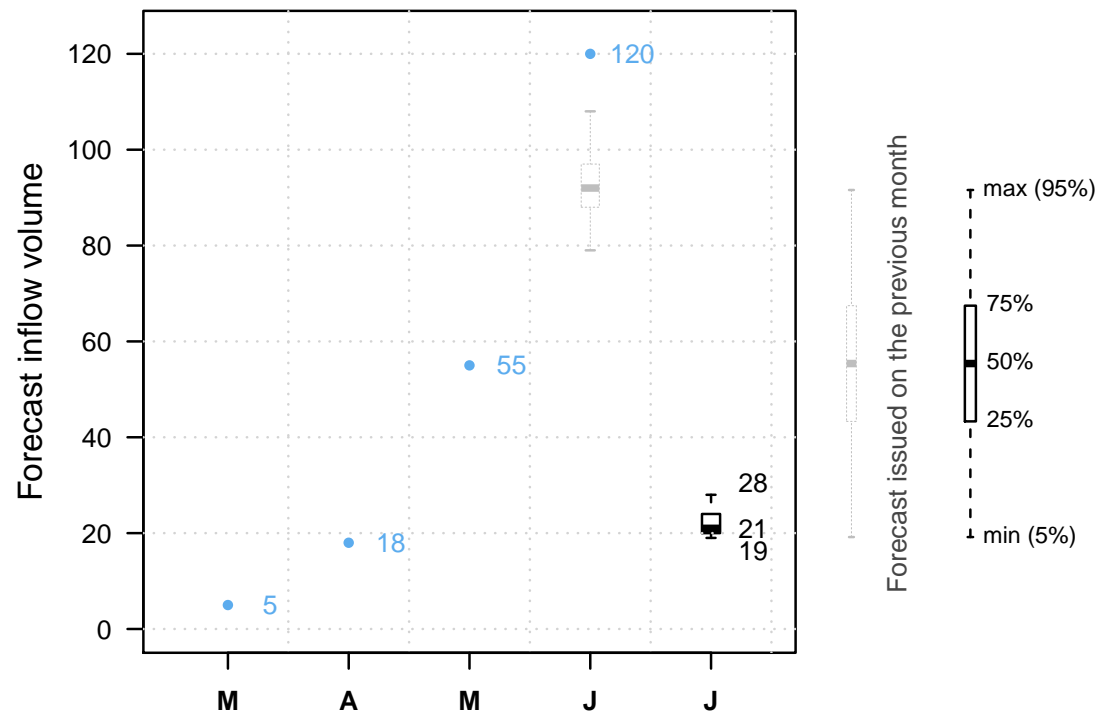


It is July 1st.

The reservoir is at  $553 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

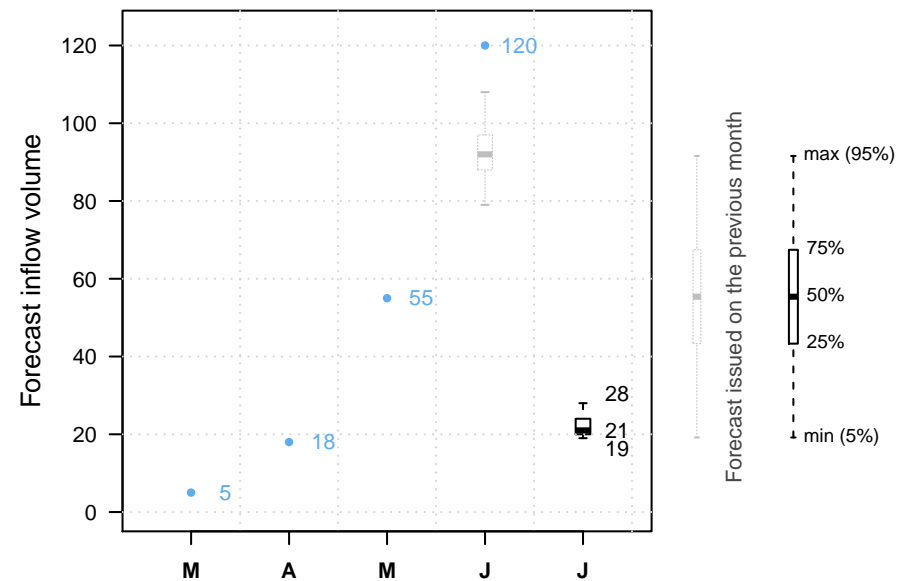
Previous decisions: C B A



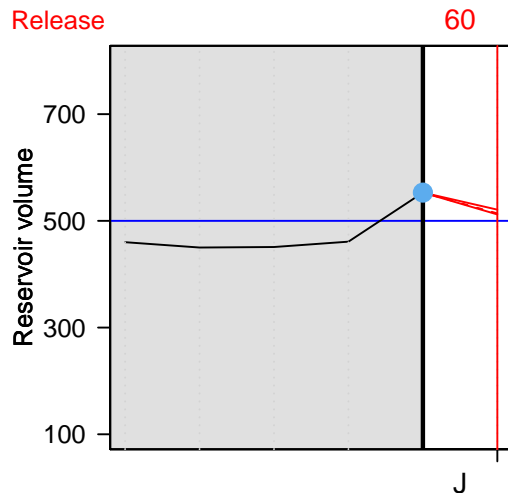
It is July 1st.

And our volunteer?

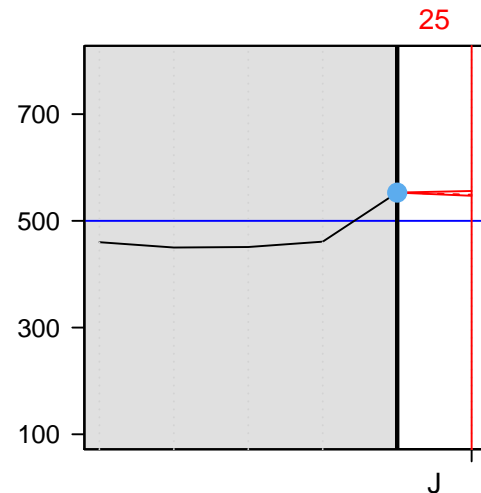
Let's see which release option our volunteer will choose.



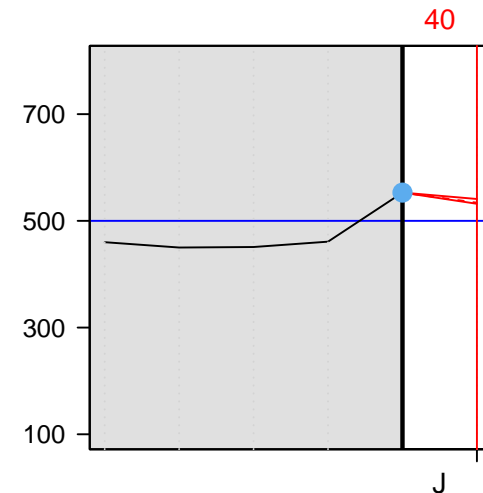
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$553 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 535 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

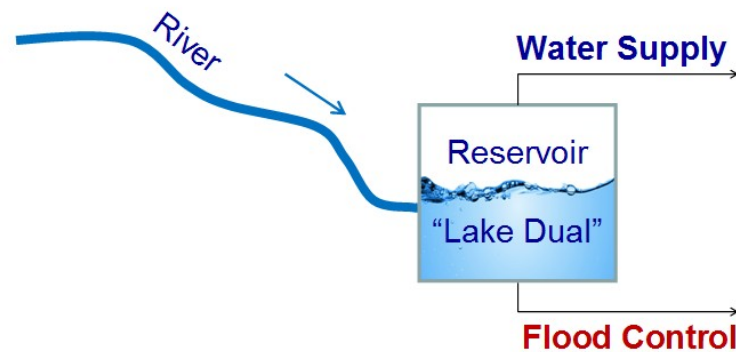
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



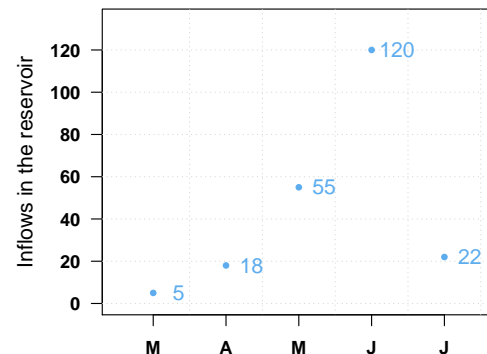
Swof Town



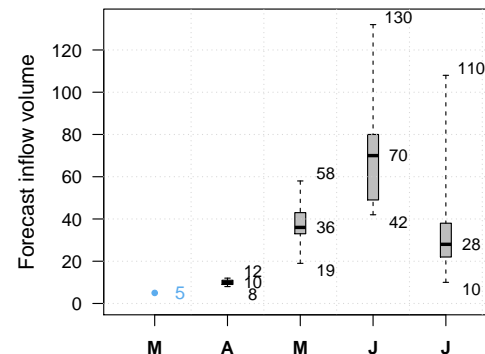
Safe Town



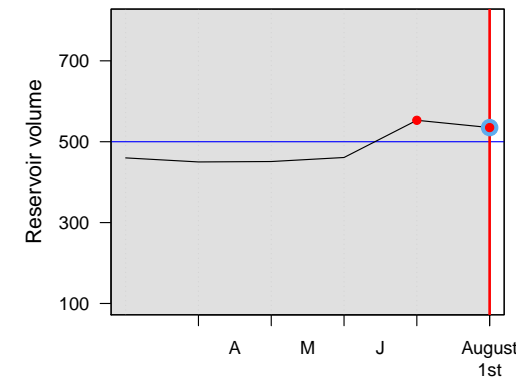
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



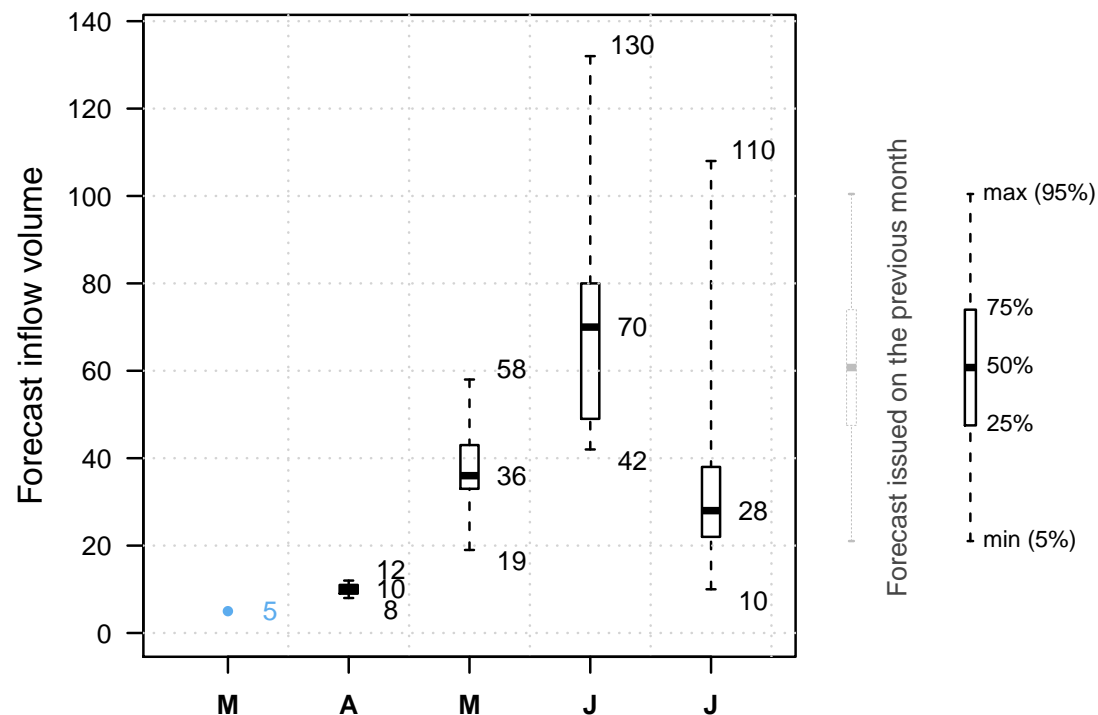


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

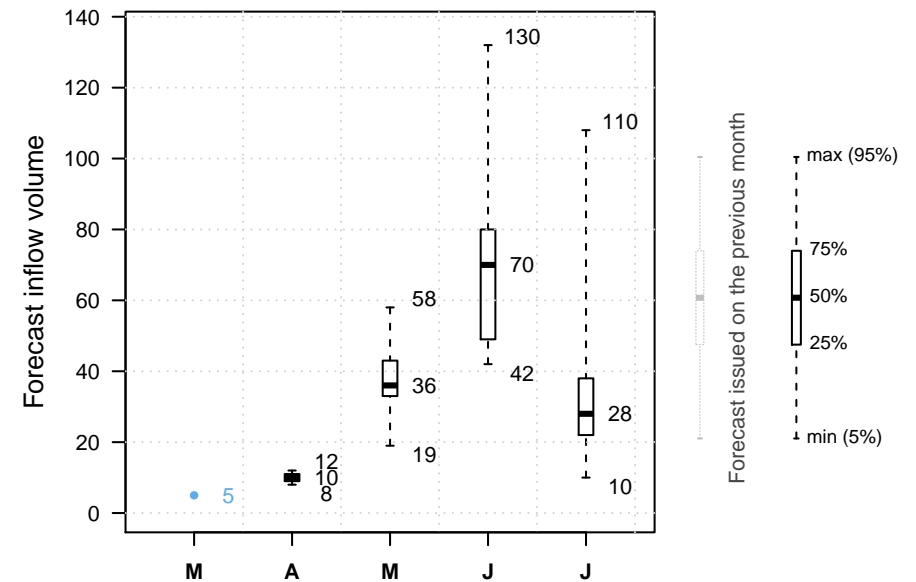
**NEXT**



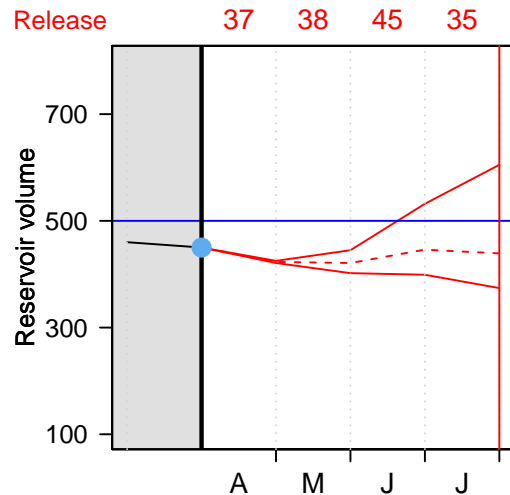
It is April 1st.

And our volunteer?

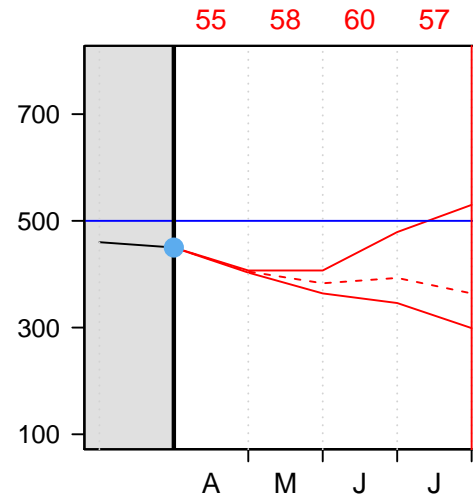
Let's see which release option our volunteer will choose.



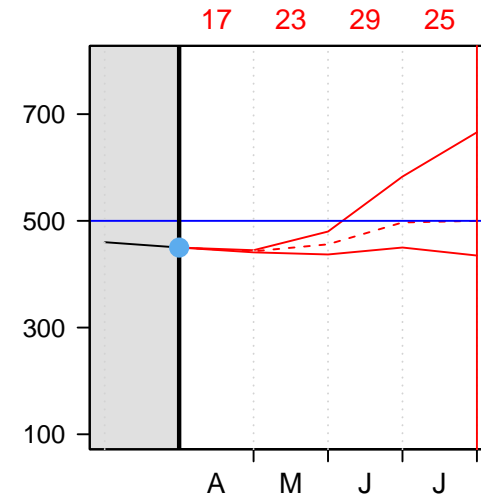
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

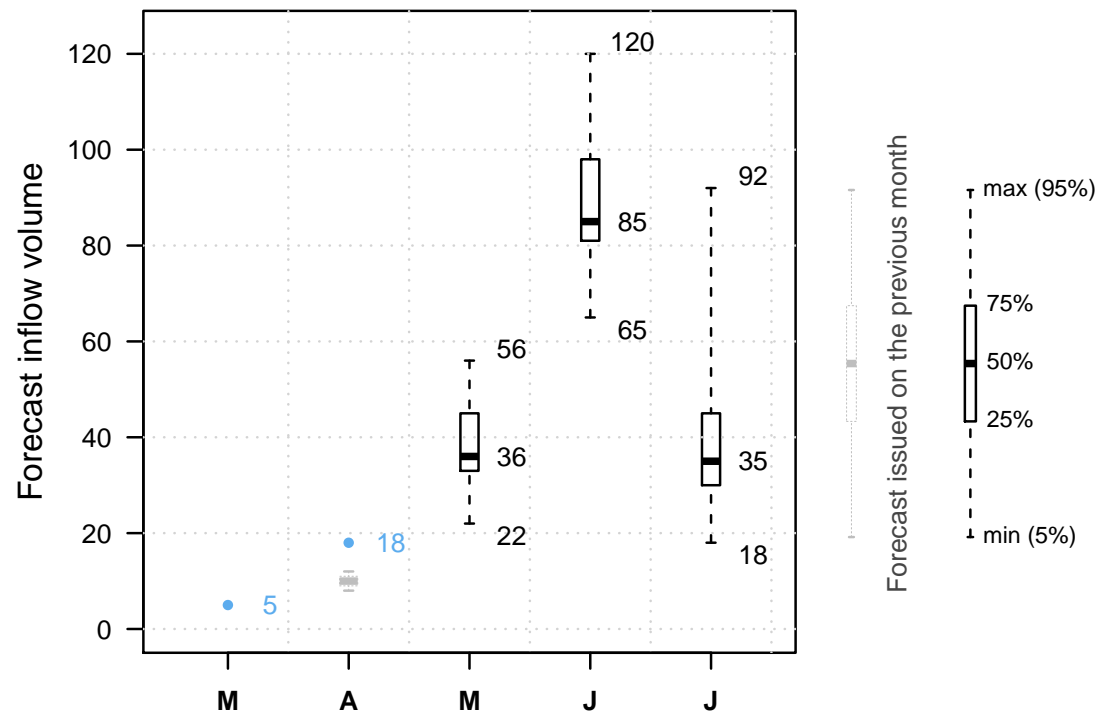


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

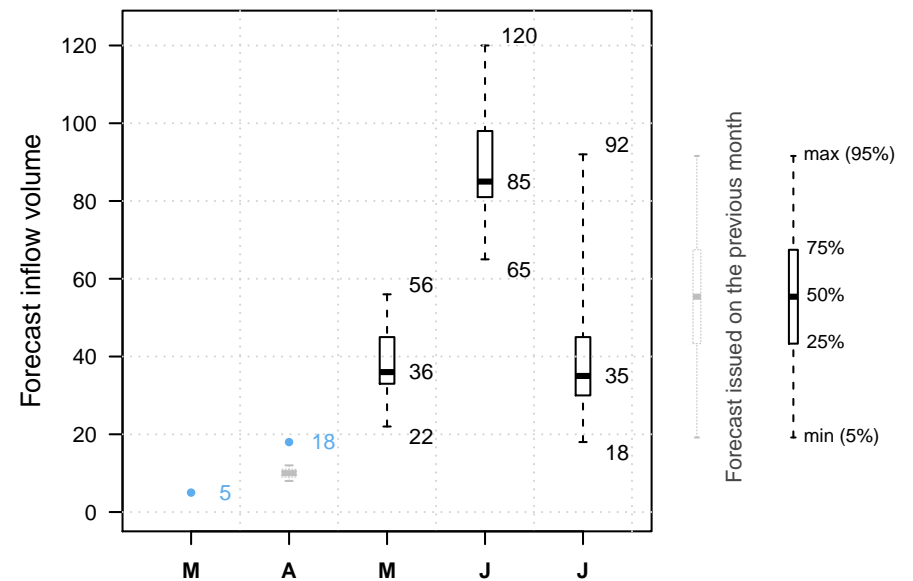
Previous decisions: A



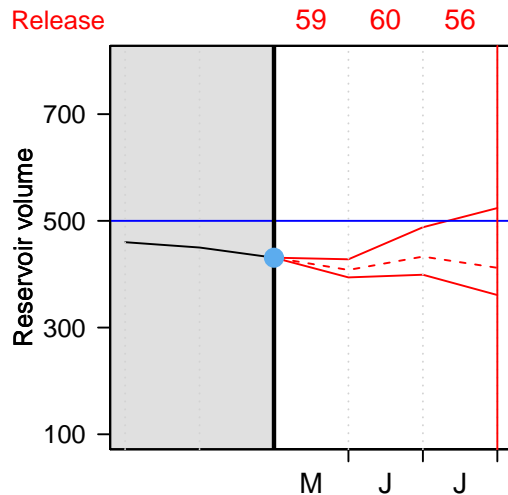
It is May 1st.

And our volunteer?

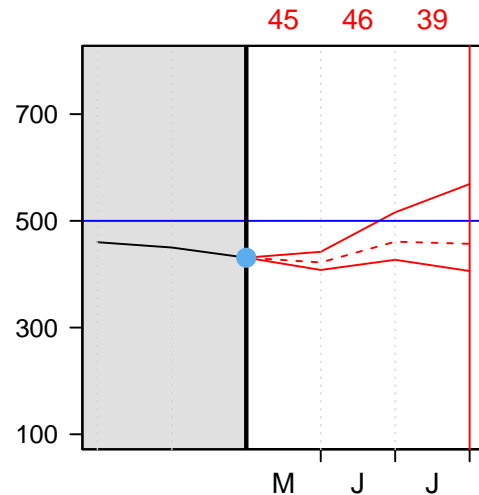
Let's see which release option our volunteer will choose.



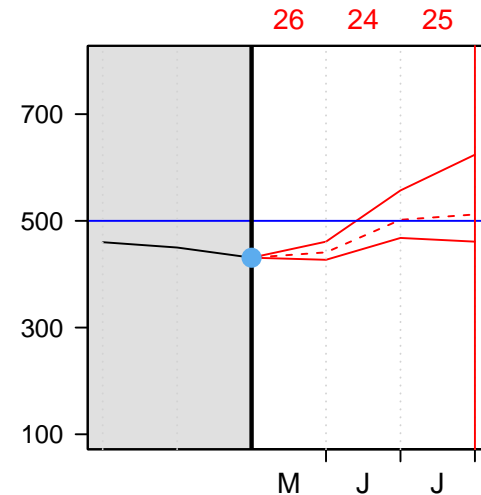
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



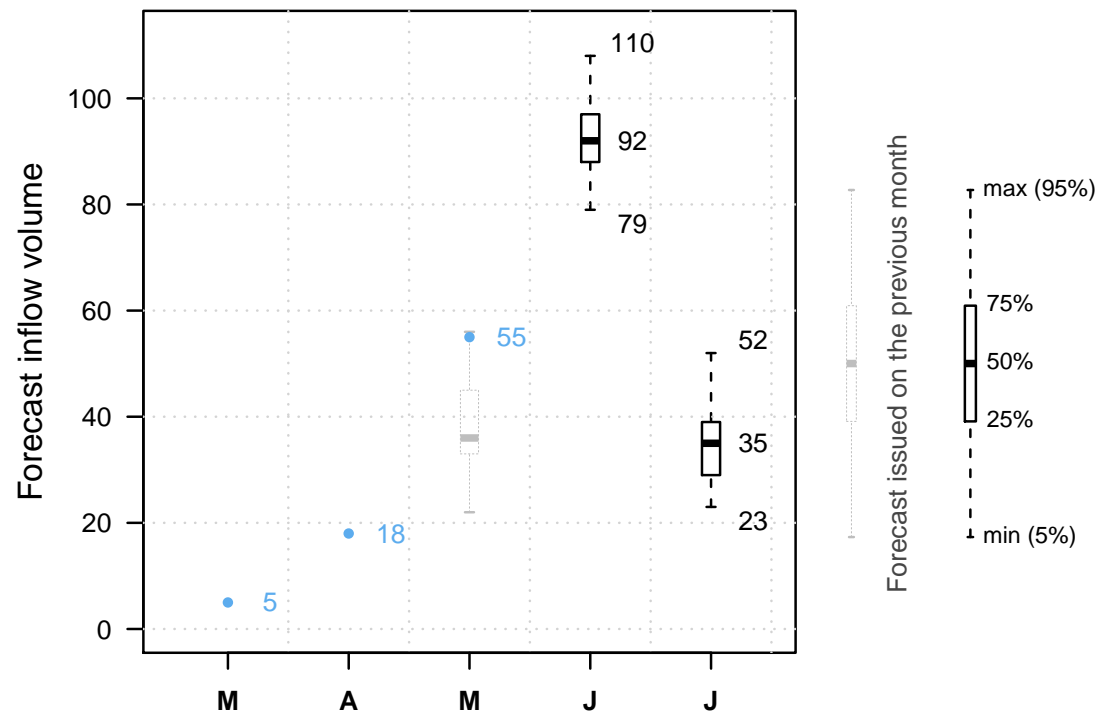


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

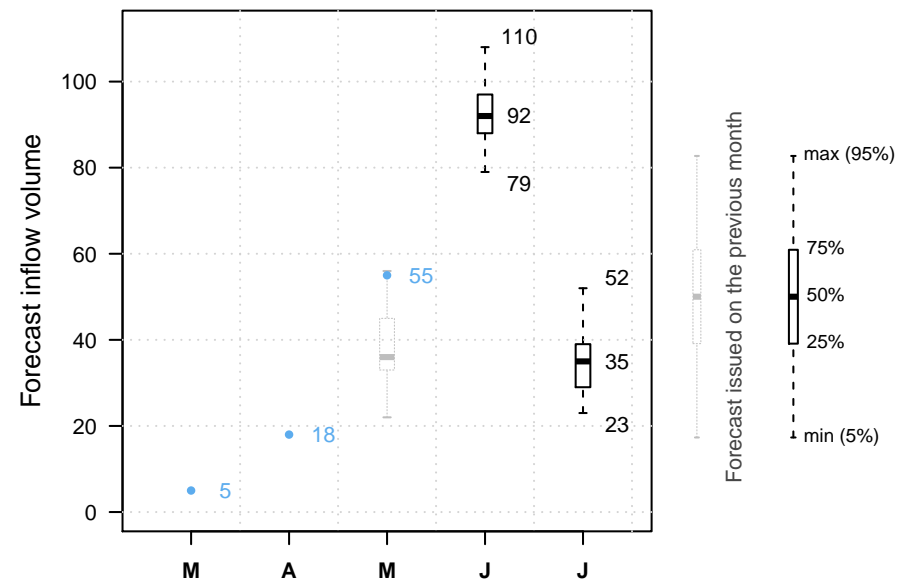
Previous decisions: A C



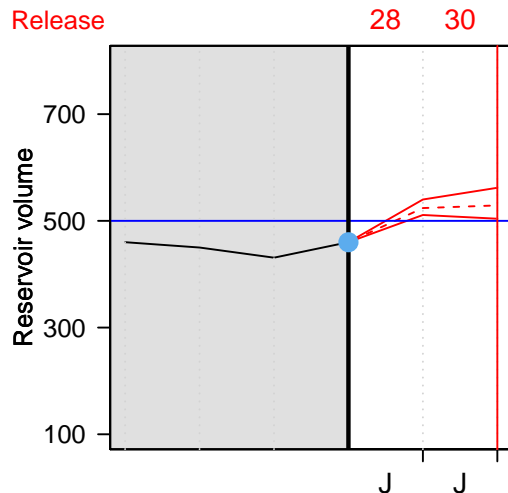
It is June 1st.

And our volunteer?

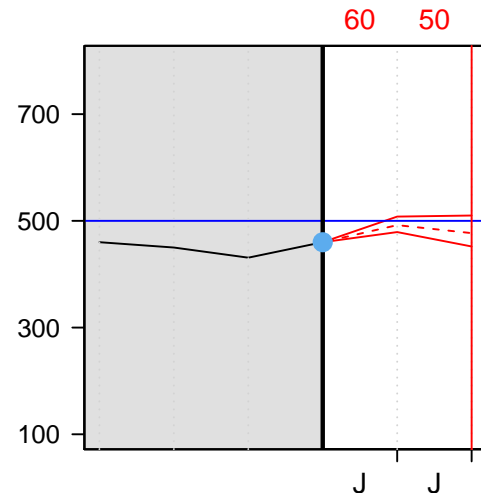
Let's see which release option our volunteer will choose.



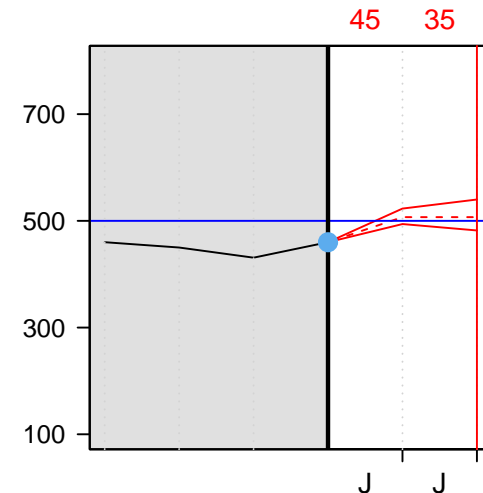
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 552 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

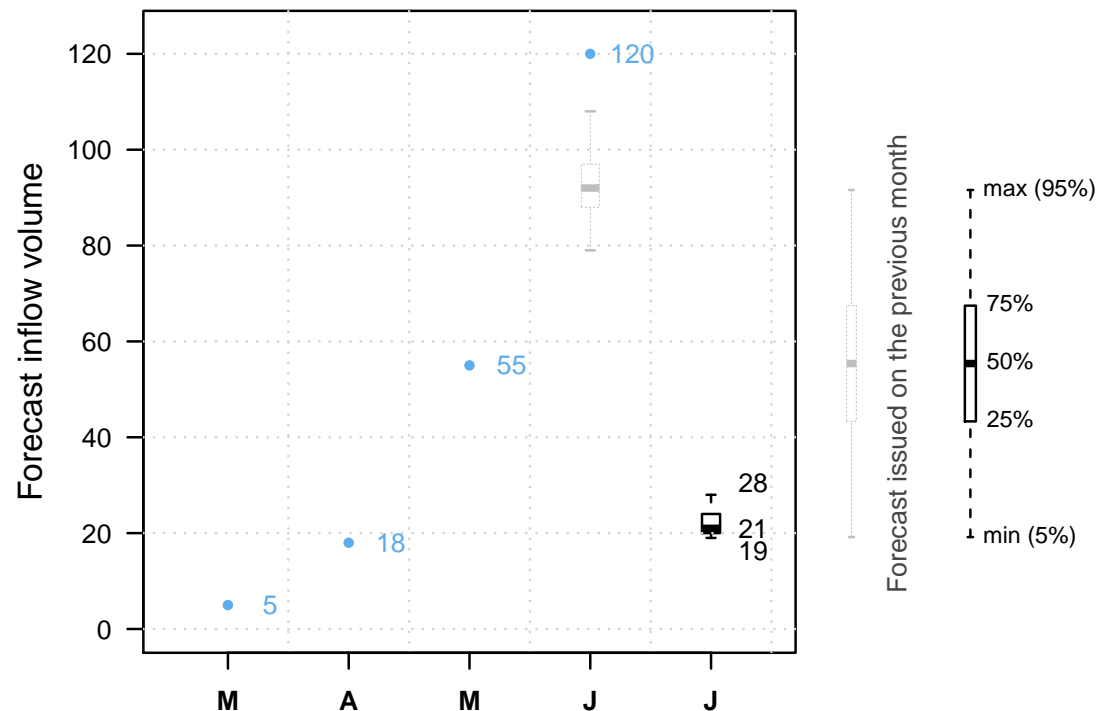


It is July 1st.

The reservoir is at  $552 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

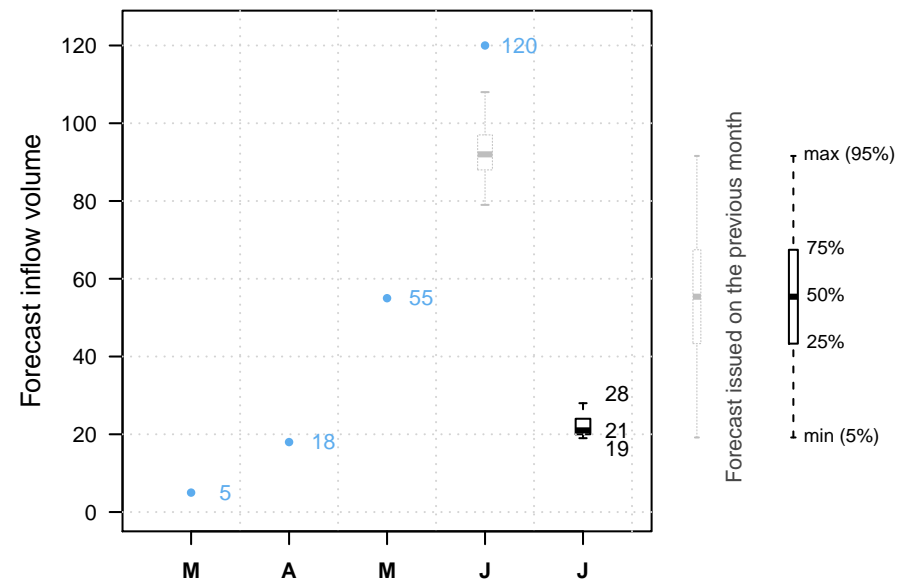
Previous decisions: A C A



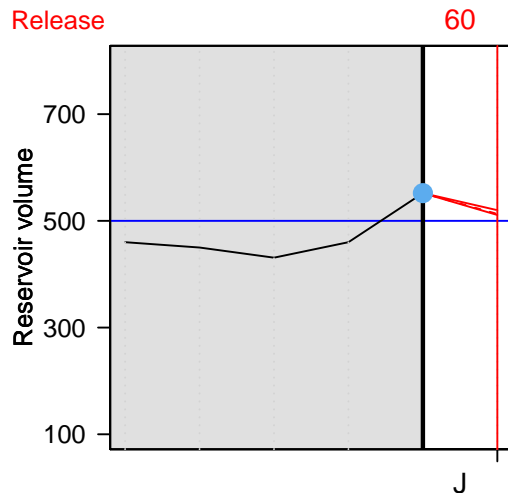
It is July 1st.

And our volunteer?

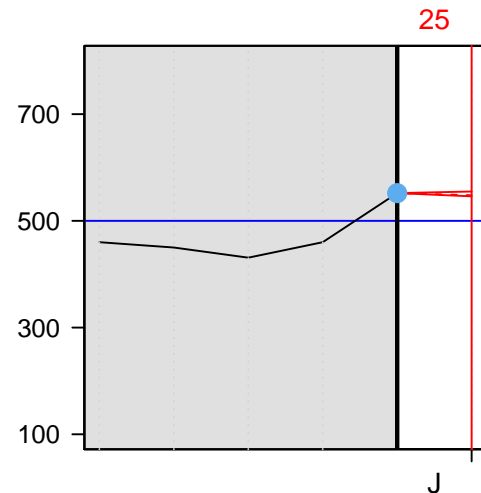
Let's see which release option our volunteer will choose.



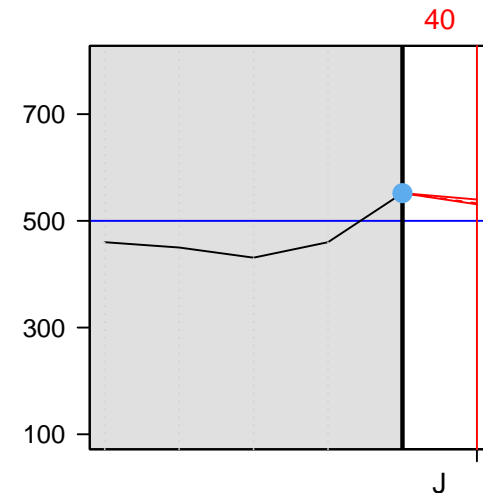
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$552 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 534 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

NEXT

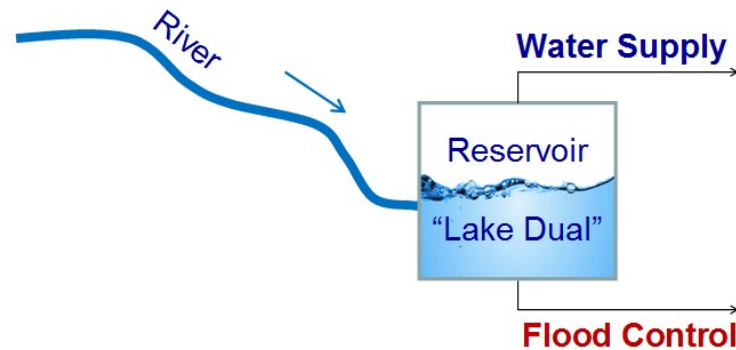
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



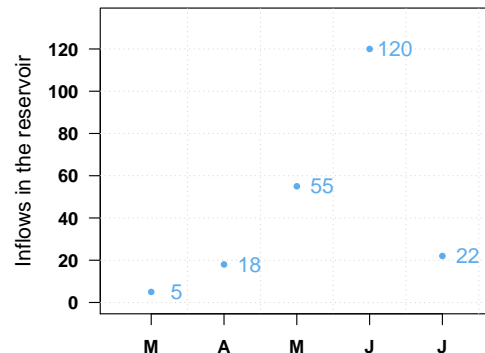
Swof Town



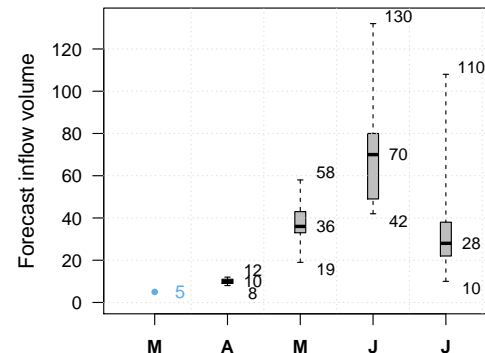
Safe Town



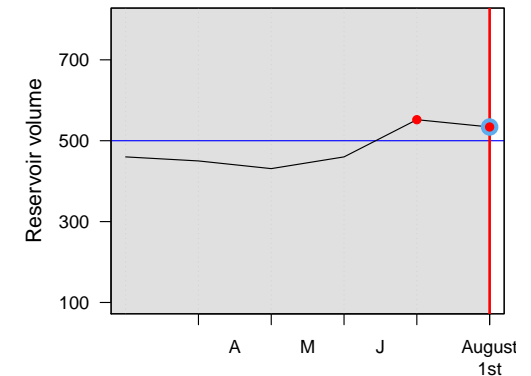
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

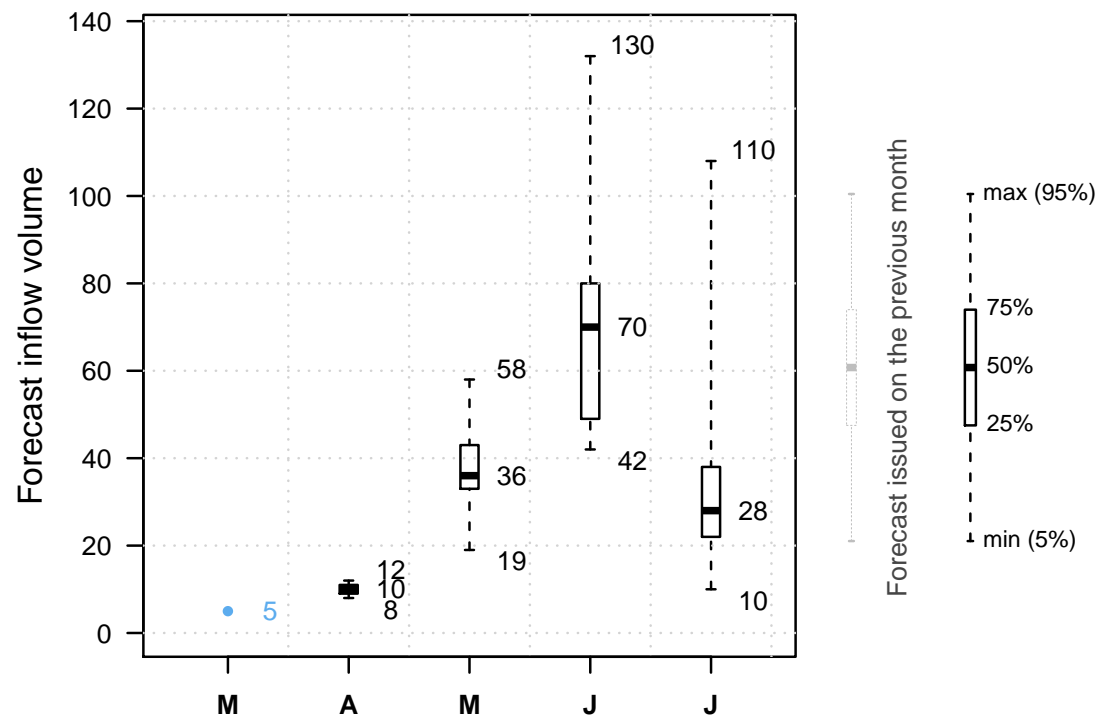


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

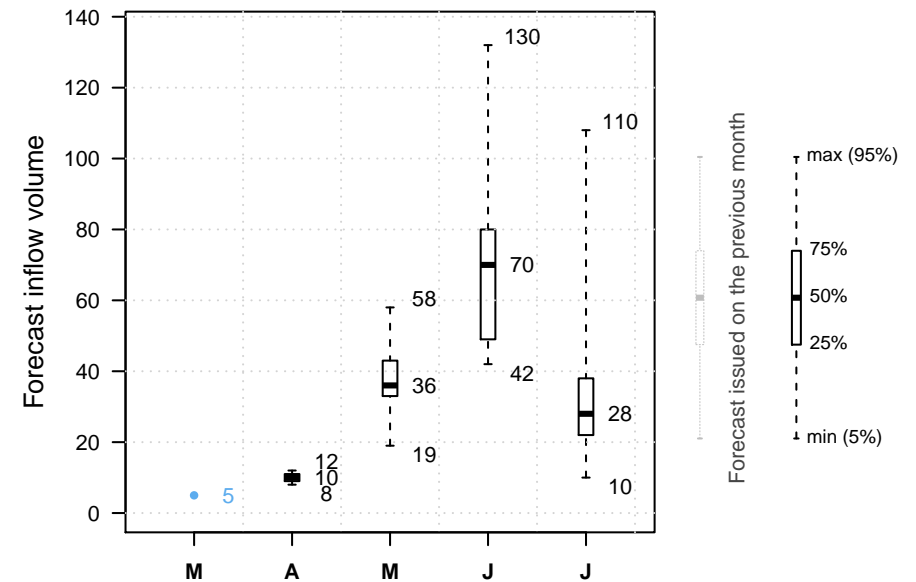
**NEXT**



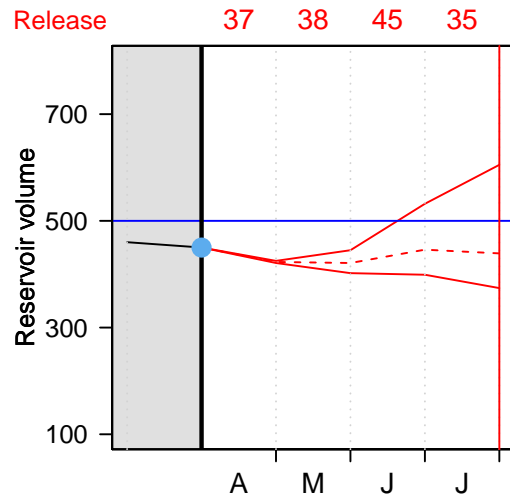
It is April 1st.

And our volunteer?

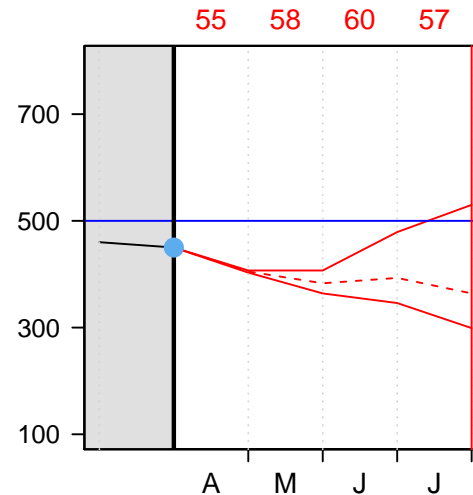
Let's see which release option our volunteer will choose.



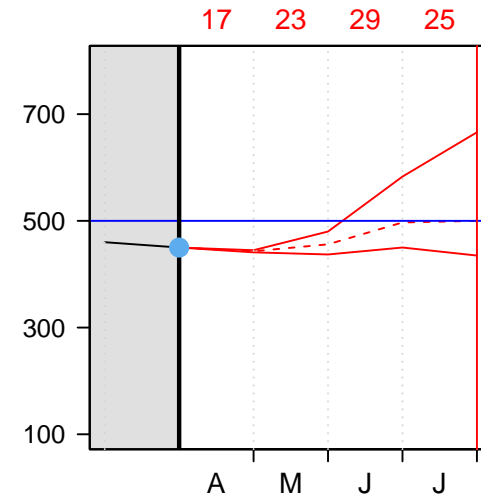
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

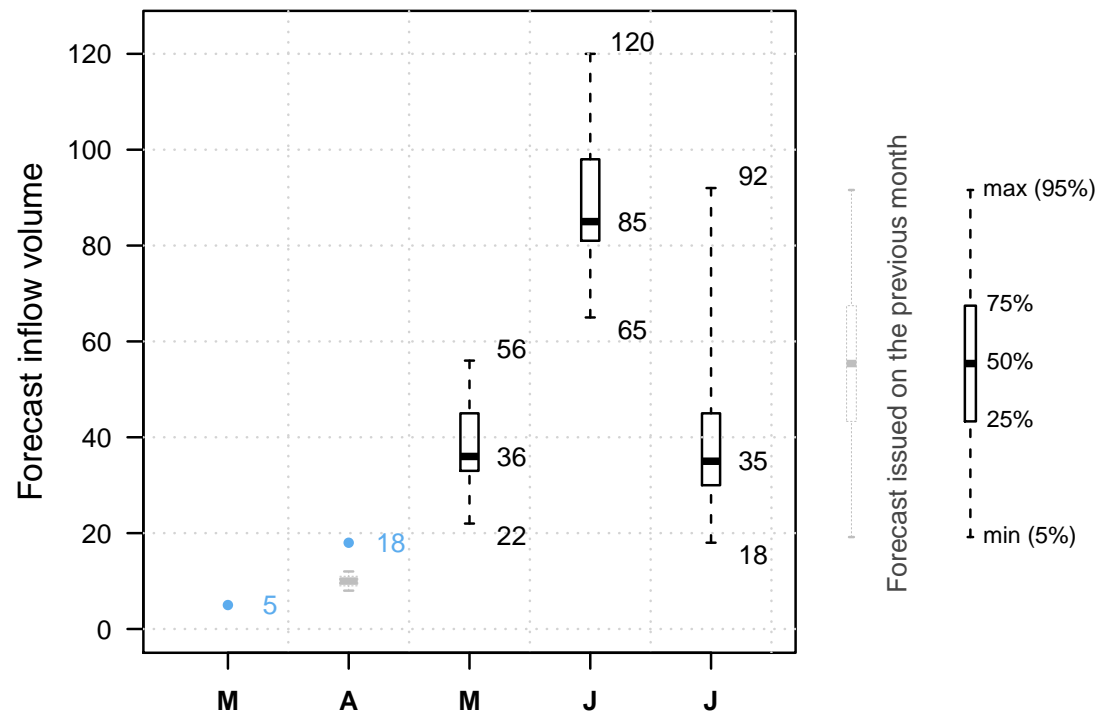


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

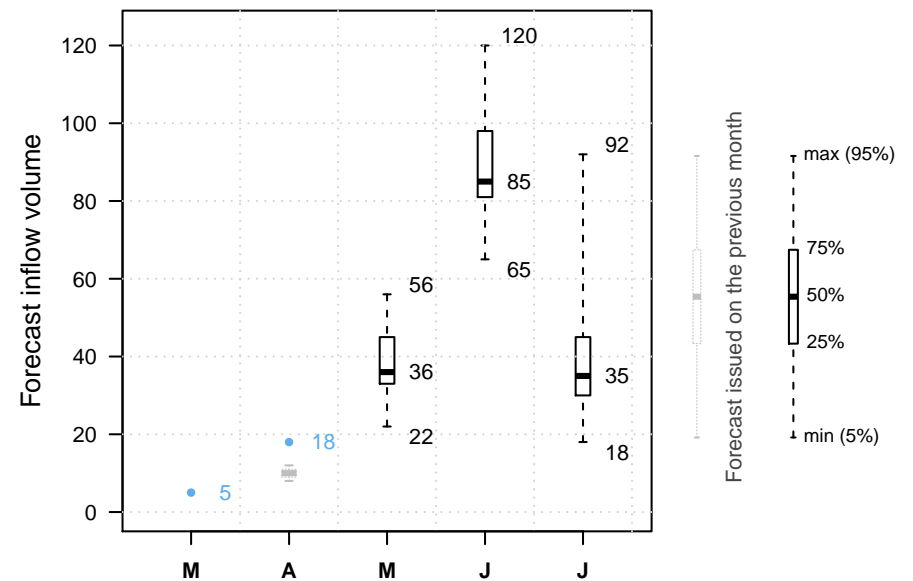
Previous decisions: B



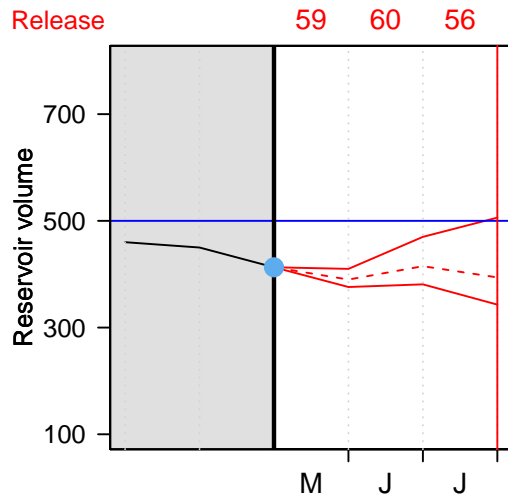
It is May 1st.

And our volunteer?

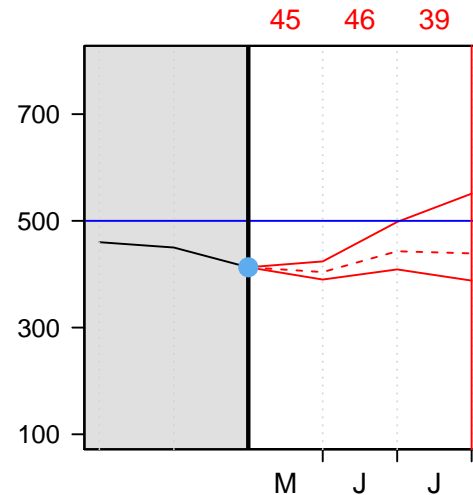
Let's see which release option our volunteer will choose.



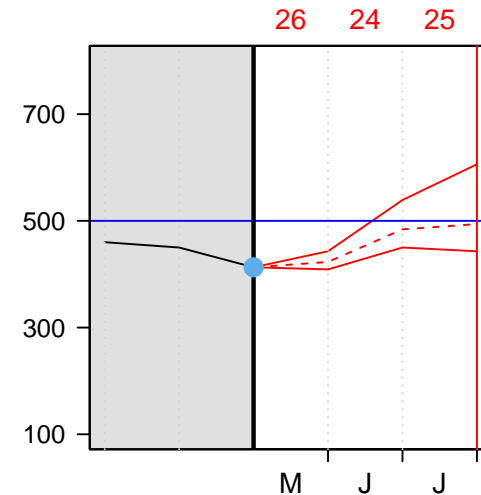
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

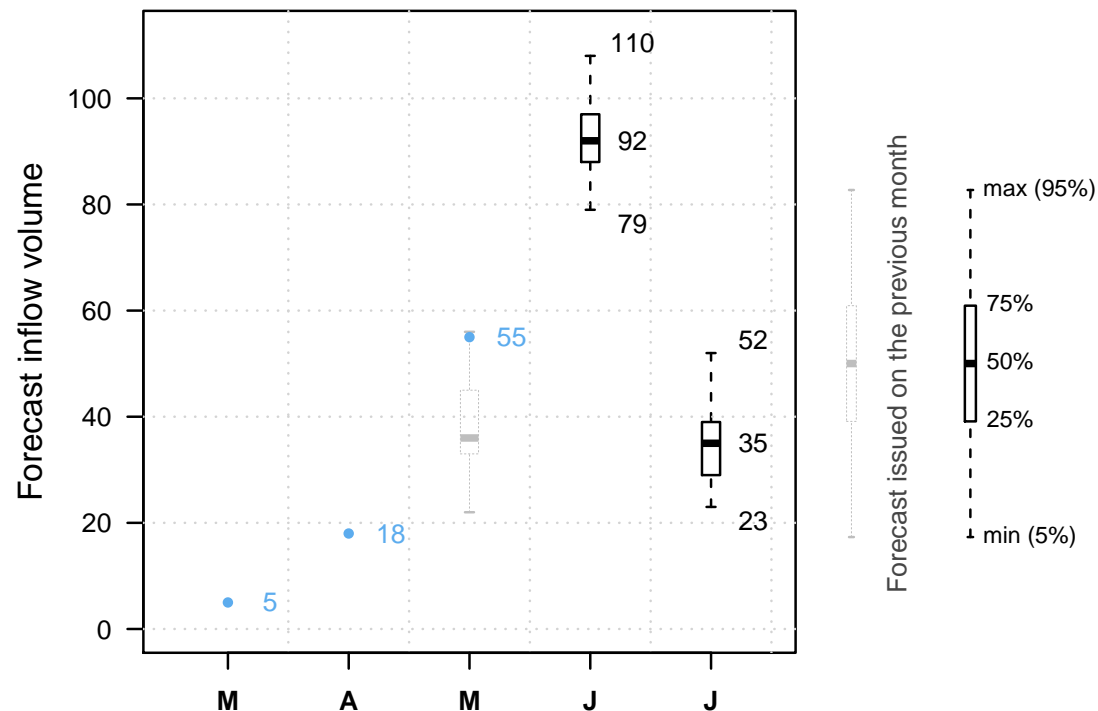


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

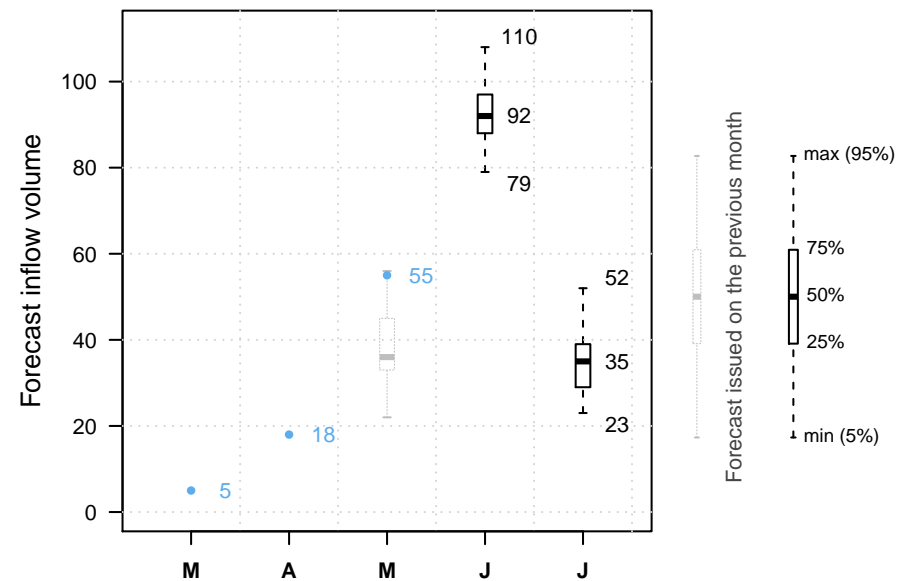
Previous decisions: B C



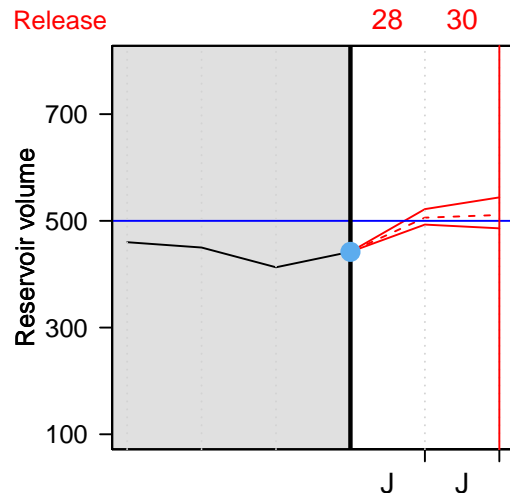
It is June 1st.

And our volunteer?

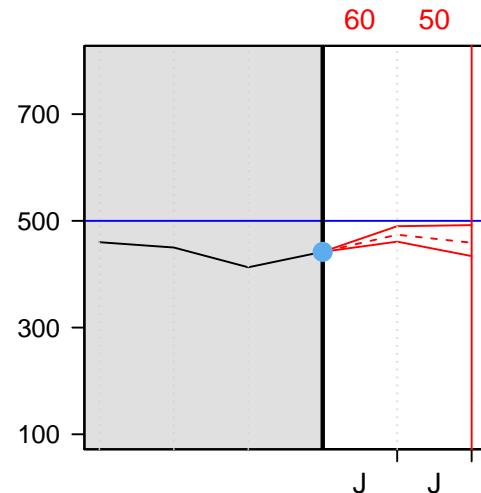
Let's see which release option our volunteer will choose.



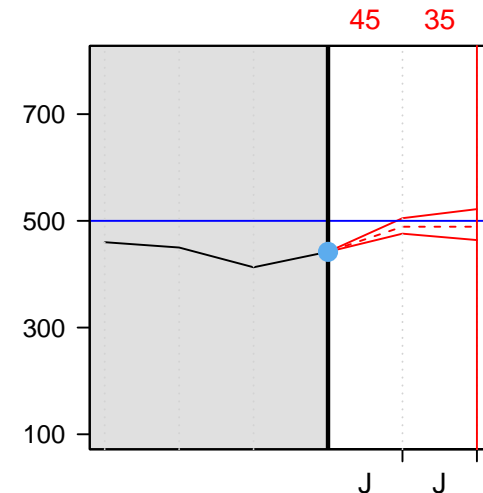
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 534 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

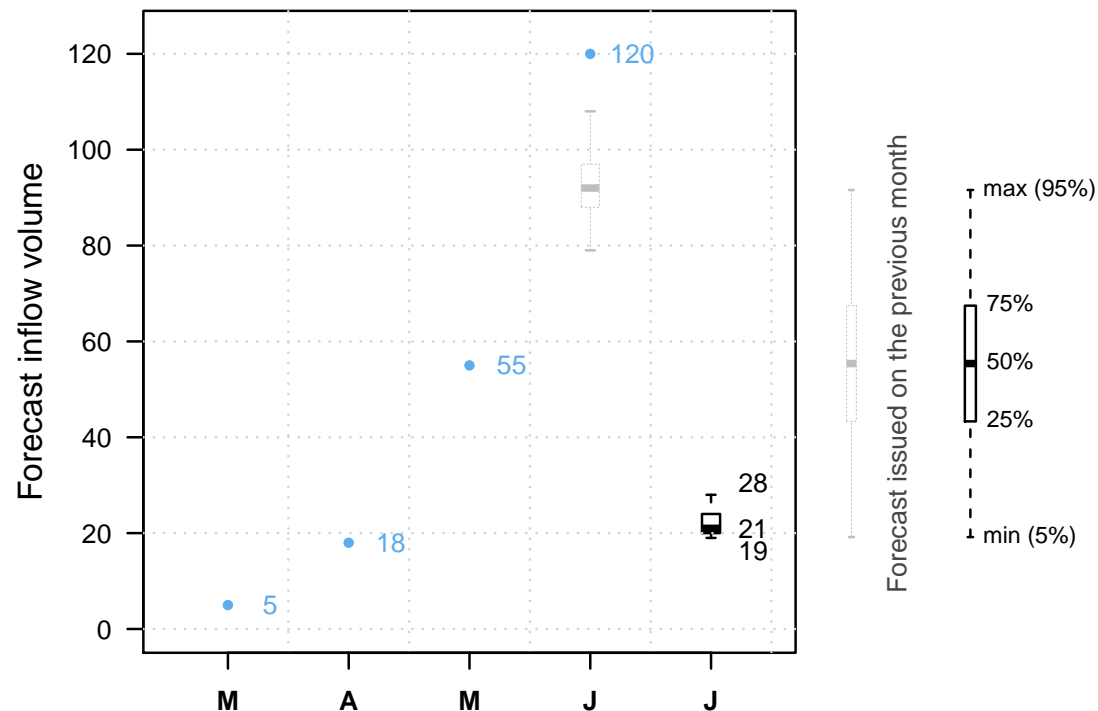


It is July 1st.

The reservoir is at 534  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

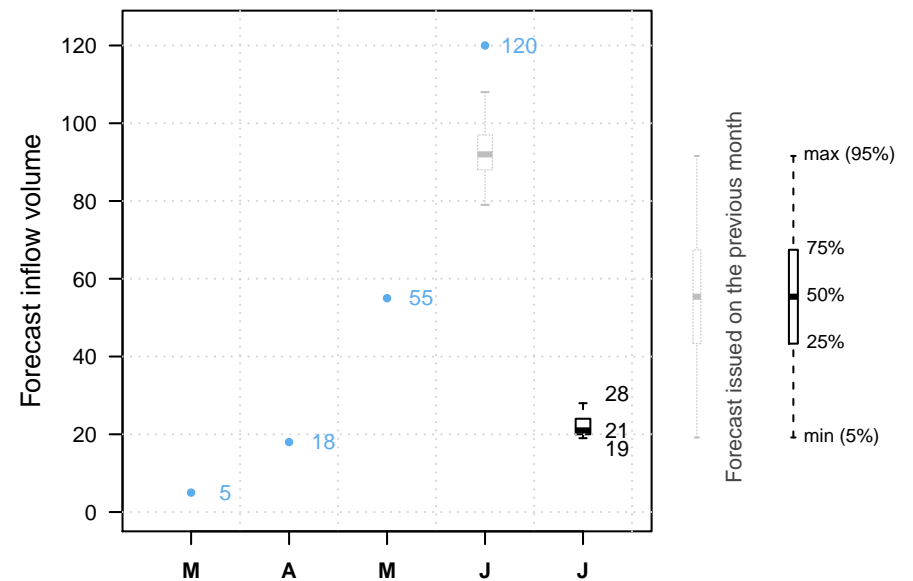
Previous decisions: B C A



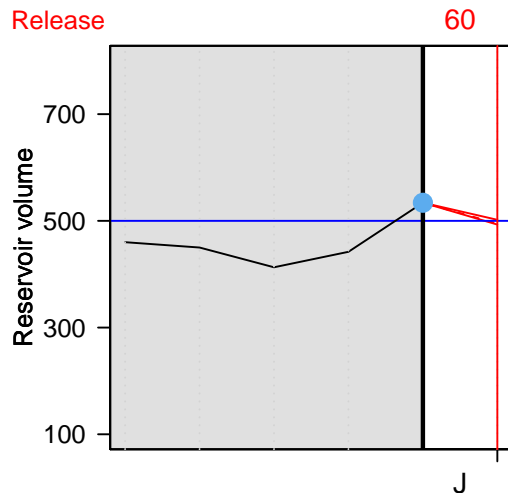
It is July 1st.

And our volunteer?

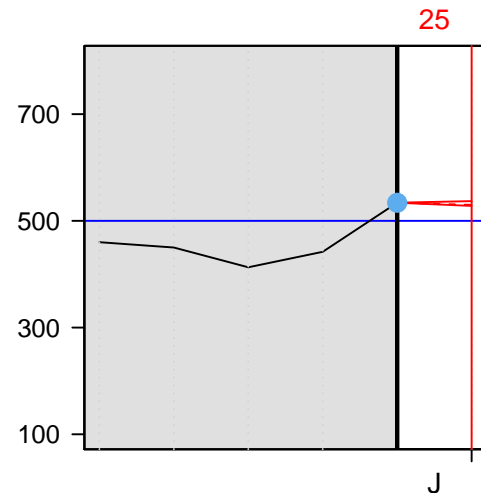
Let's see which release option our volunteer will choose.



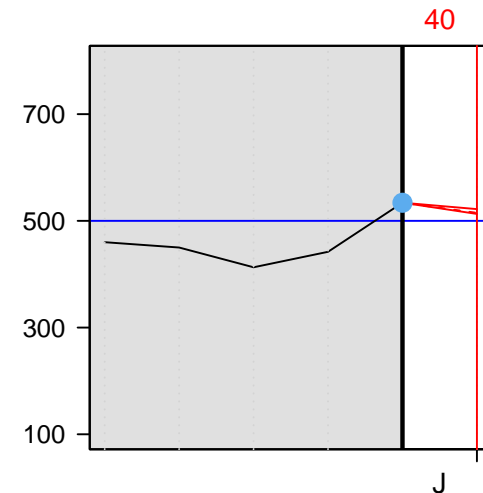
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$534 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 516 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

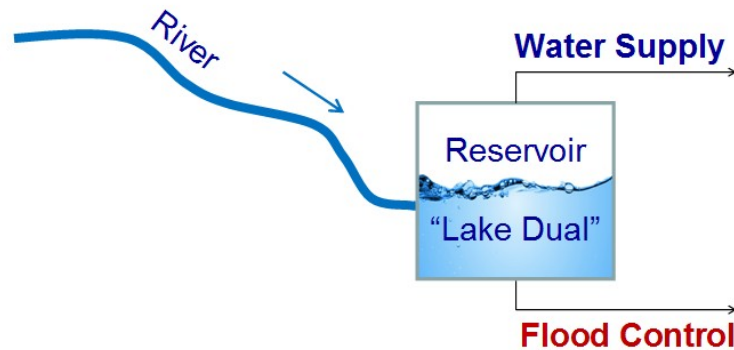
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



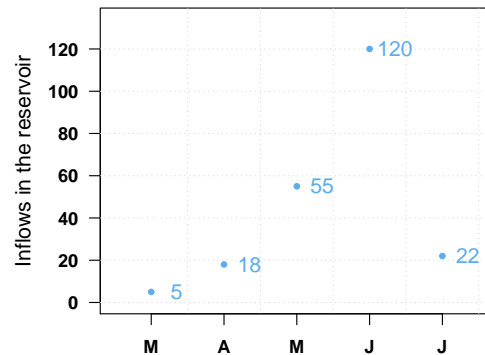
Swof Town



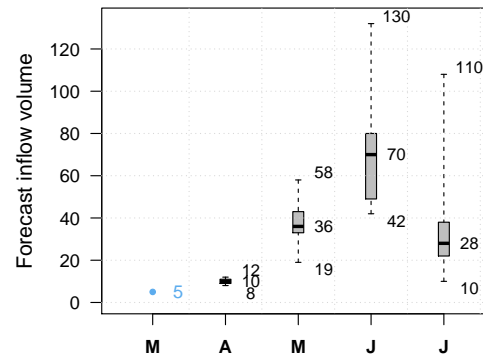
Safe Town



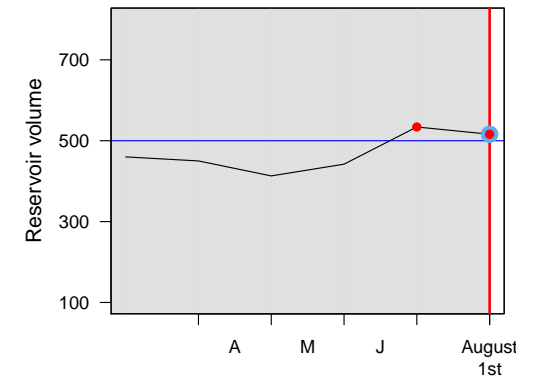
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

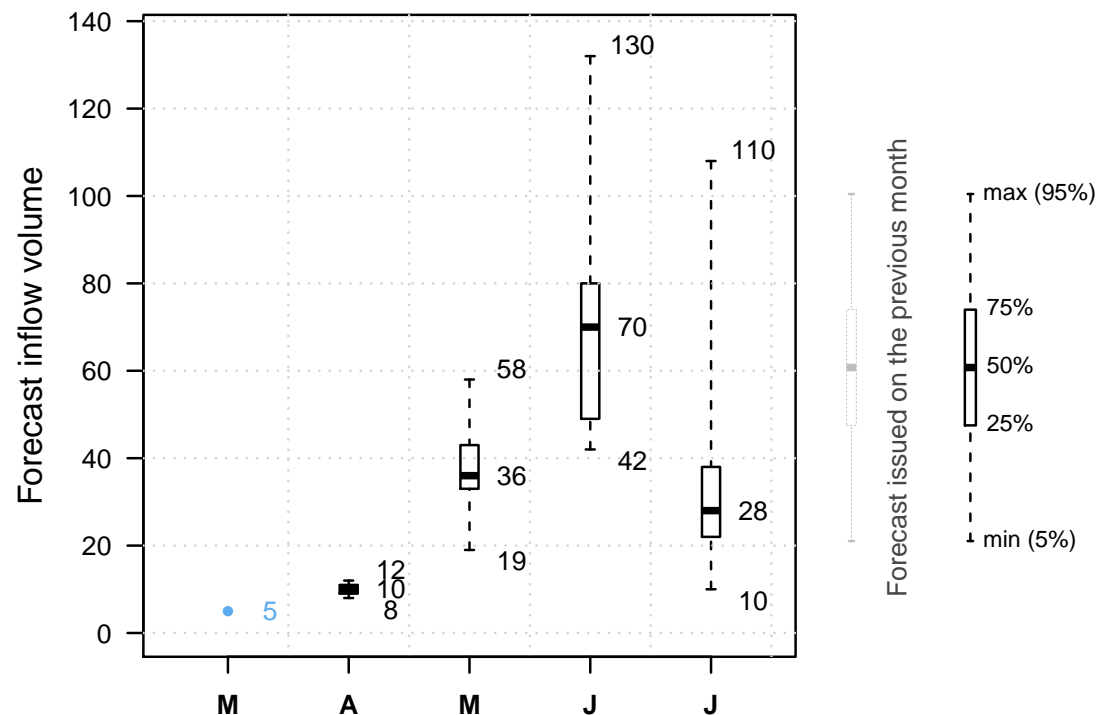


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

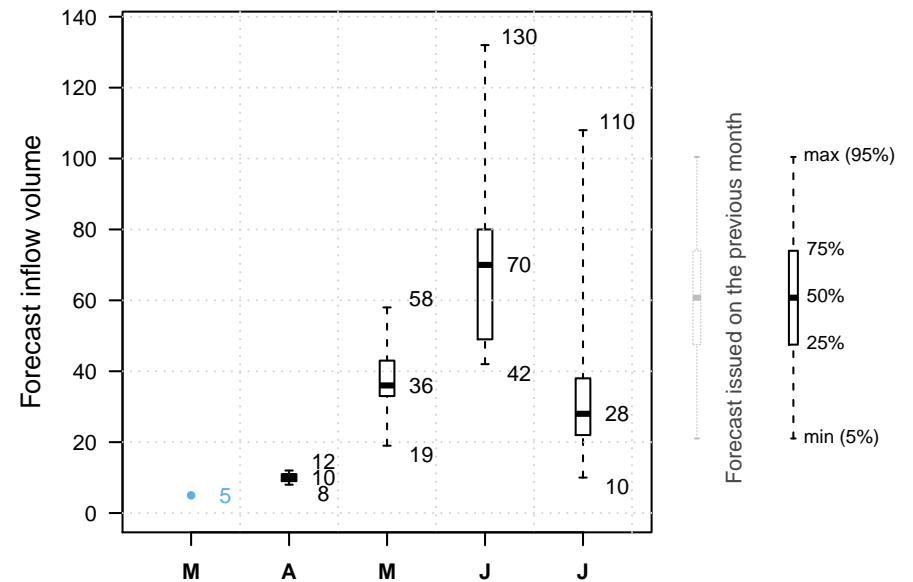
NEXT



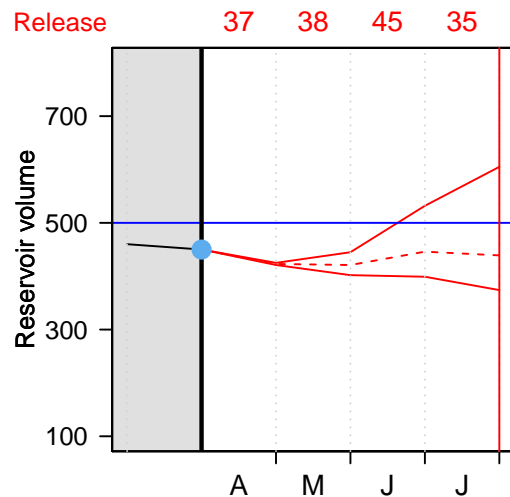
It is April 1st.

And our volunteer?

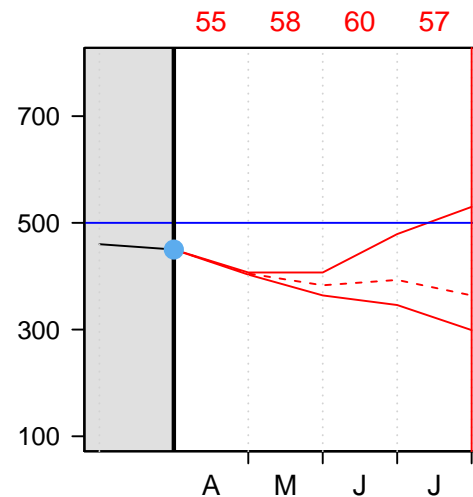
Let's see which release option our volunteer will choose.



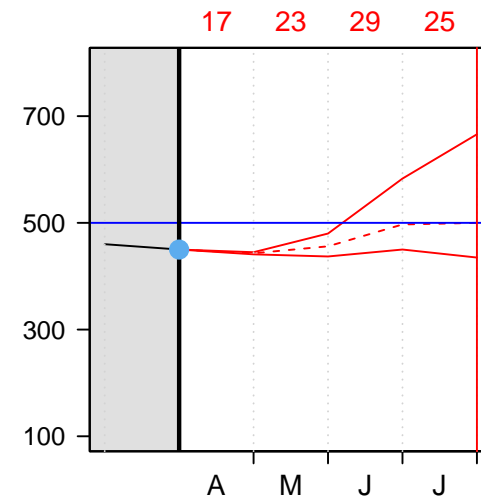
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

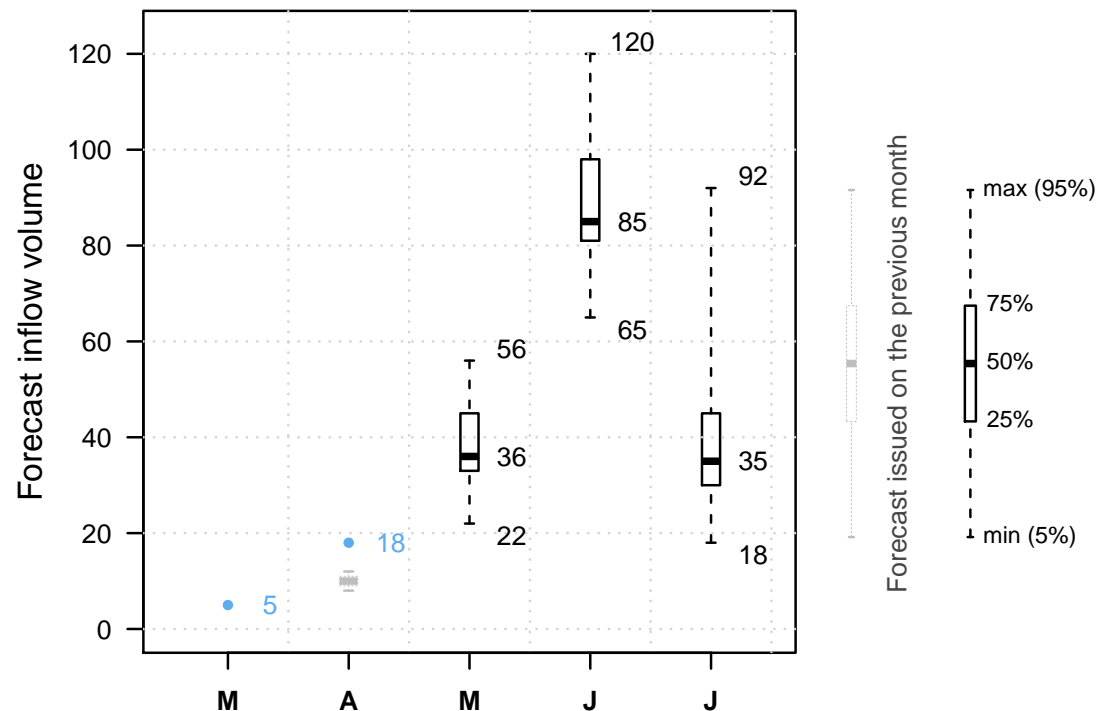


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

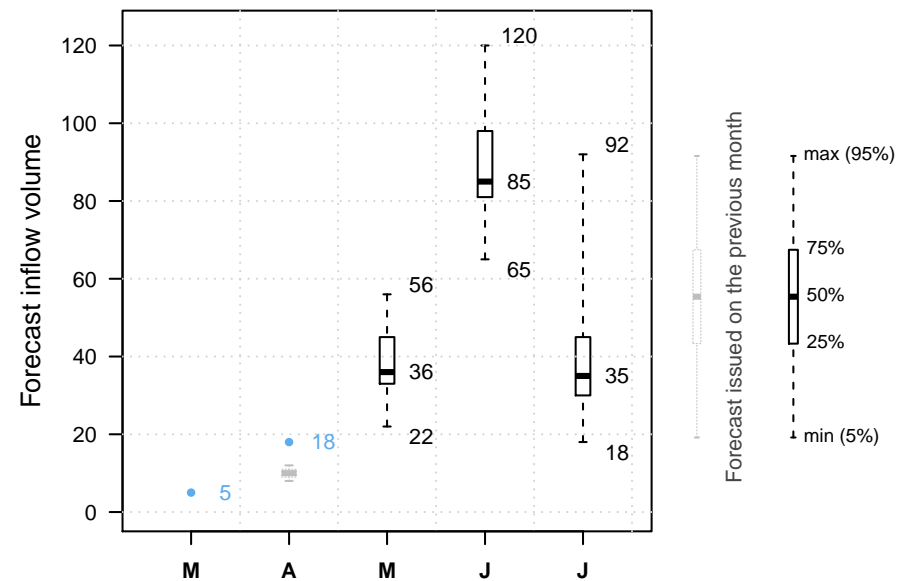
Previous decisions: C



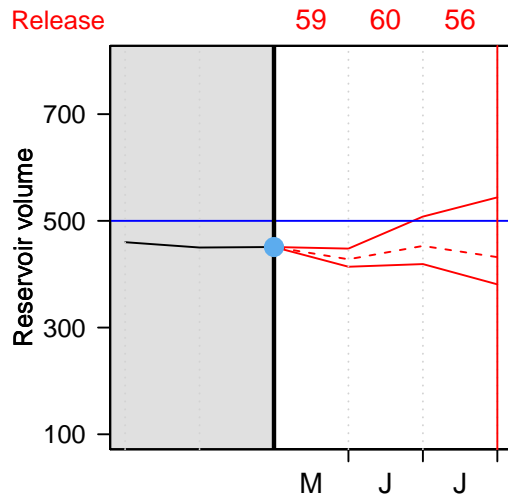
It is May 1st.

And our volunteer?

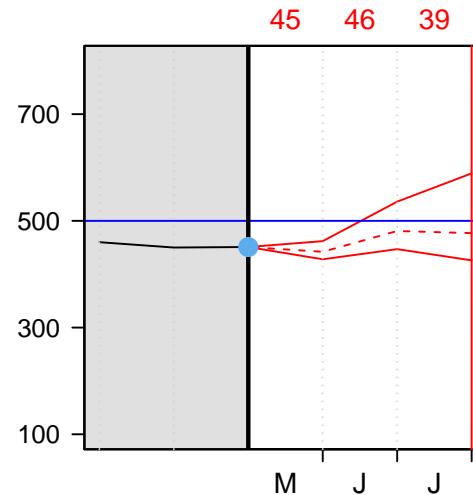
Let's see which release option our volunteer will choose.



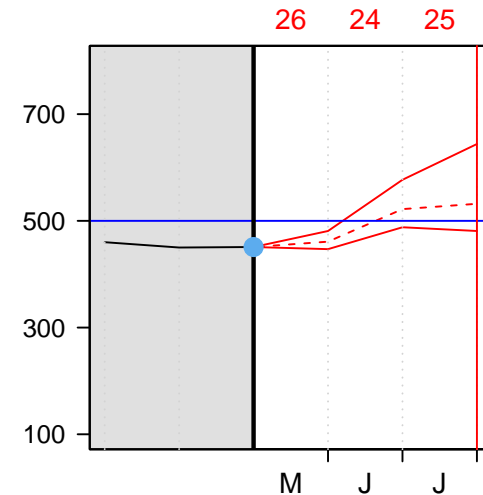
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

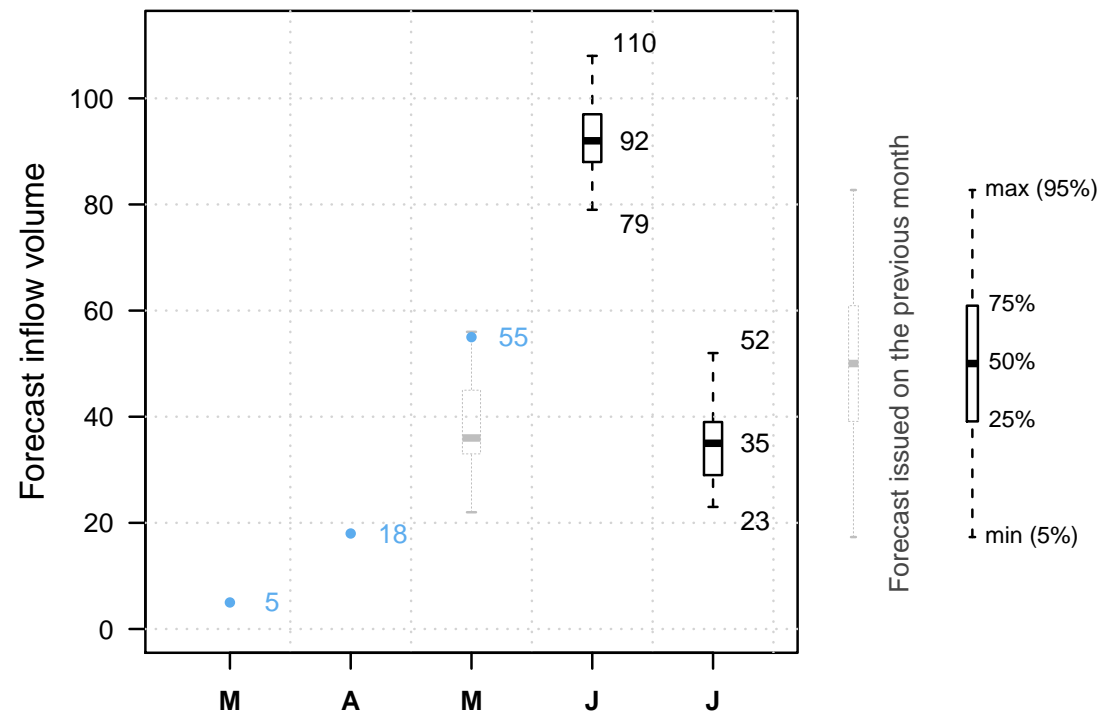


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

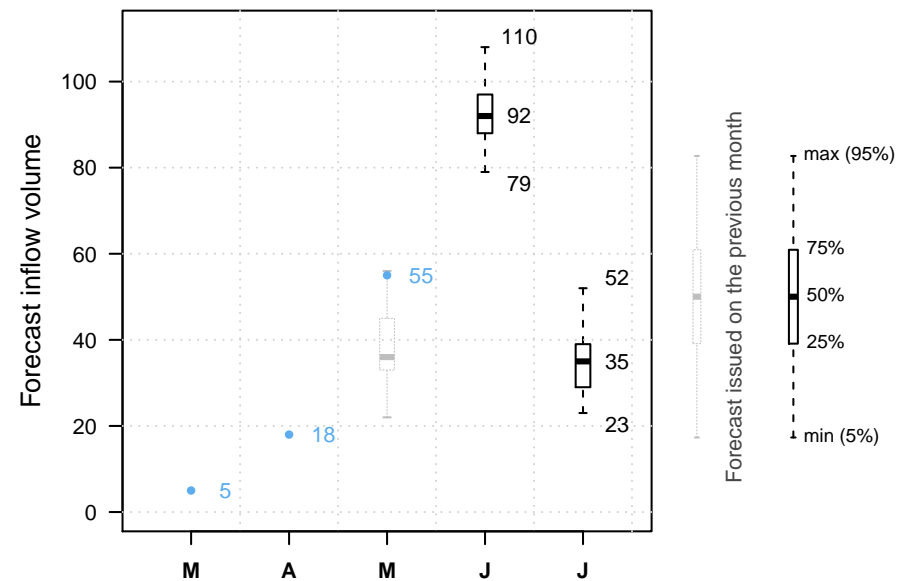
Previous decisions: C C



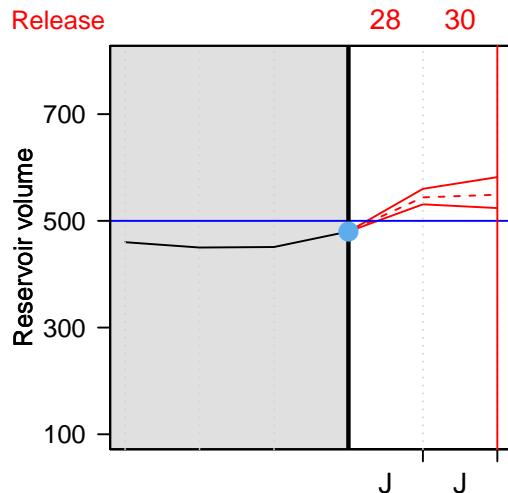
It is June 1st.

And our volunteer?

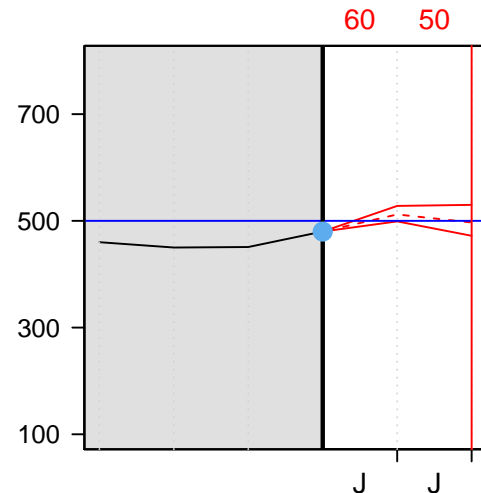
Let's see which release option our volunteer will choose.



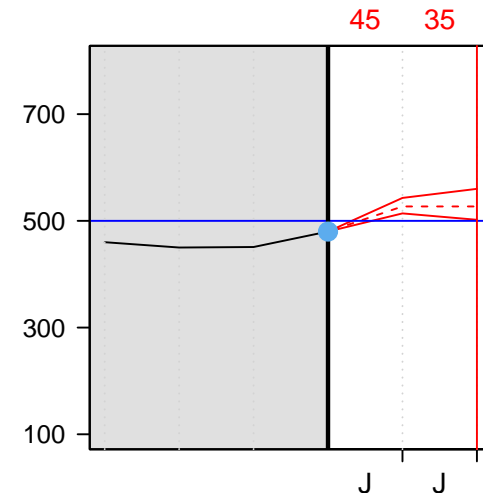
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $28 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 28 \text{ Mm}^3 = 572 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

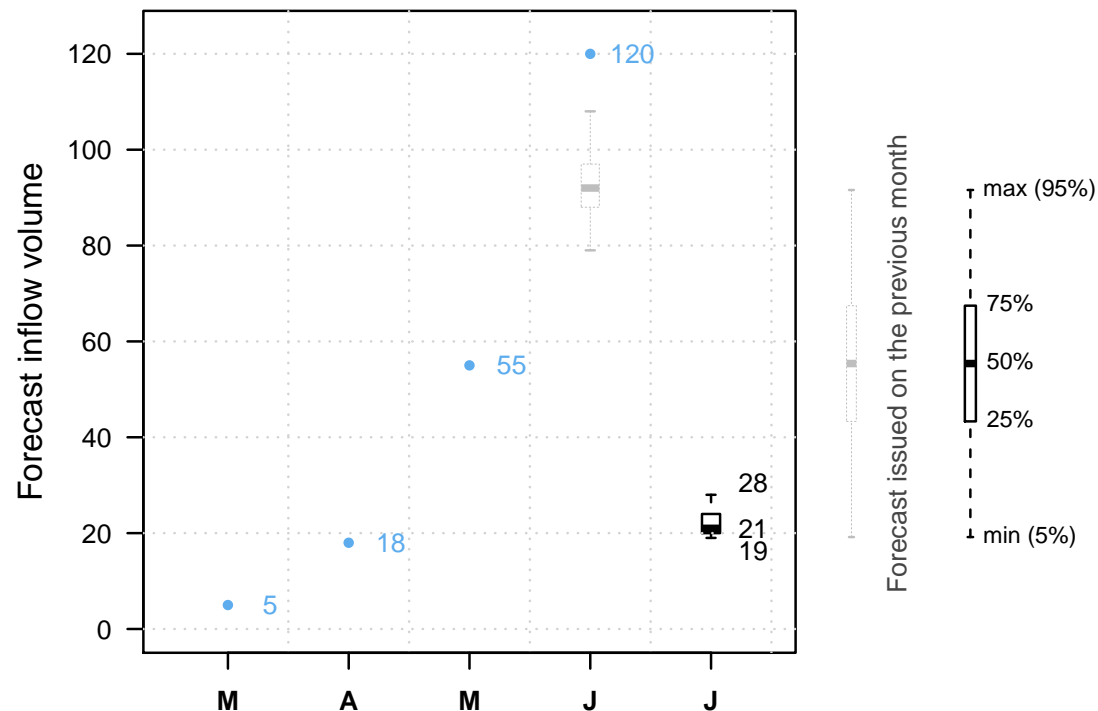


It is July 1st.

The reservoir is at  $572 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

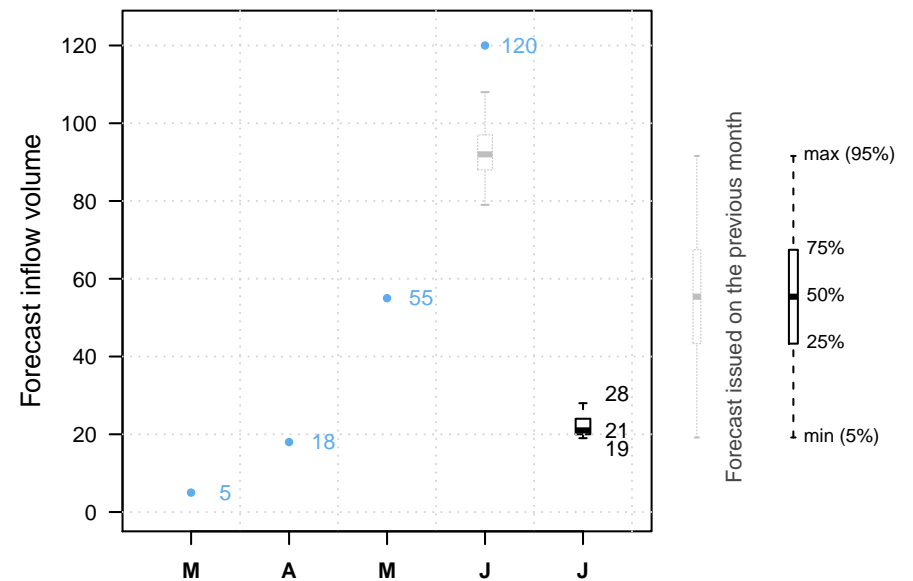
Previous decisions: C C A



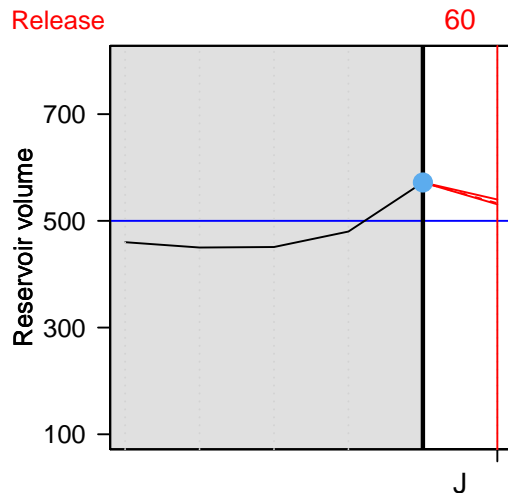
It is July 1st.

And our volunteer?

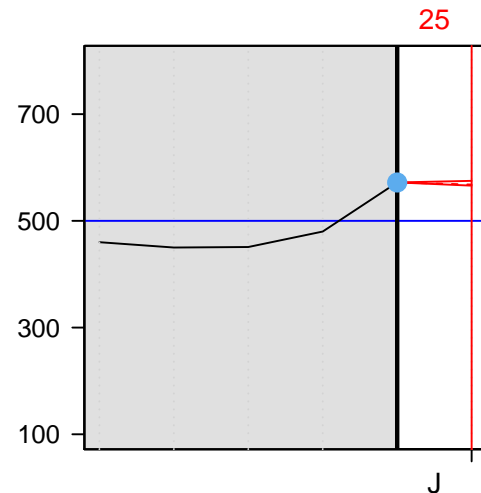
Let's see which release option our volunteer will choose.



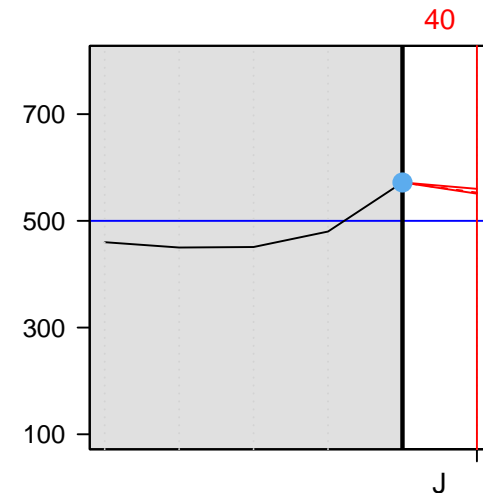
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$572 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 554 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

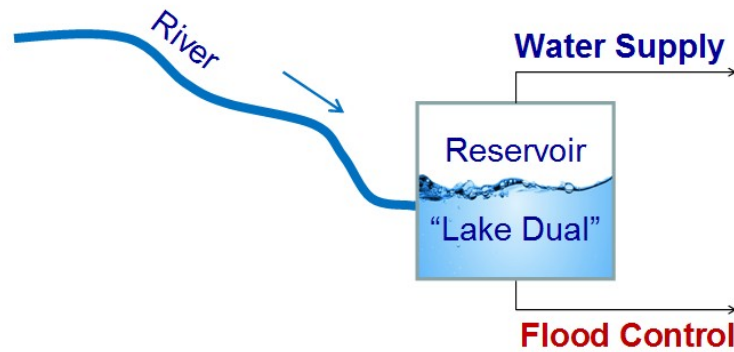
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



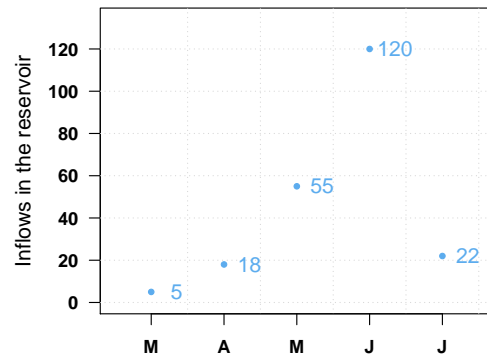
Swof Town



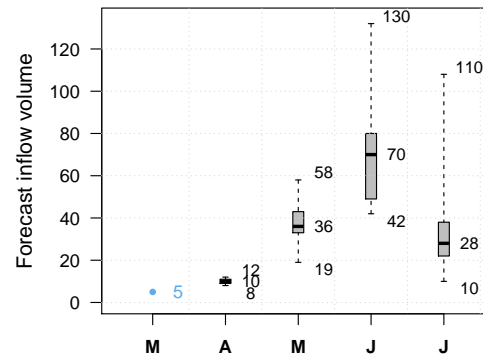
Safe Town



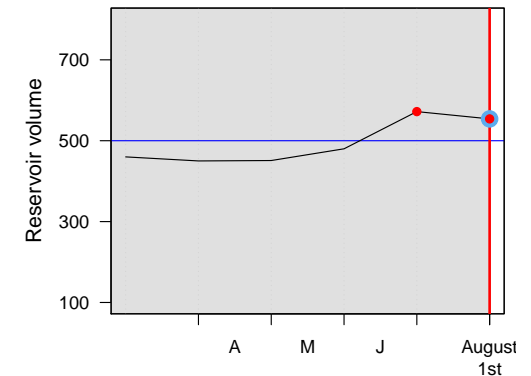
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

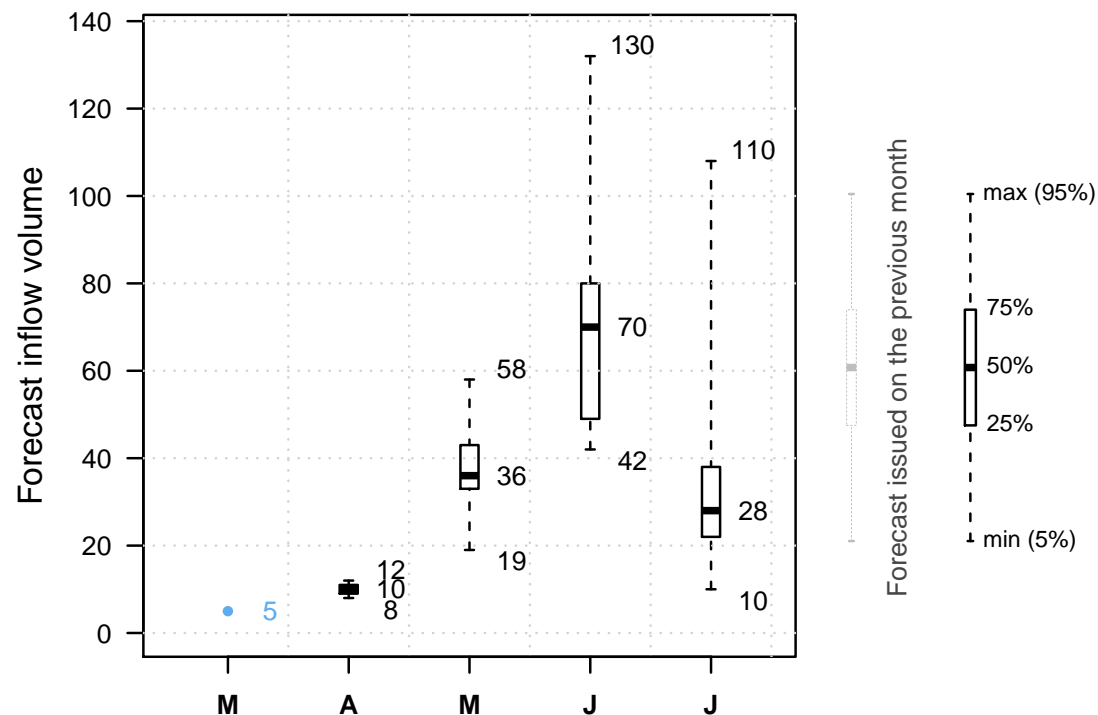


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

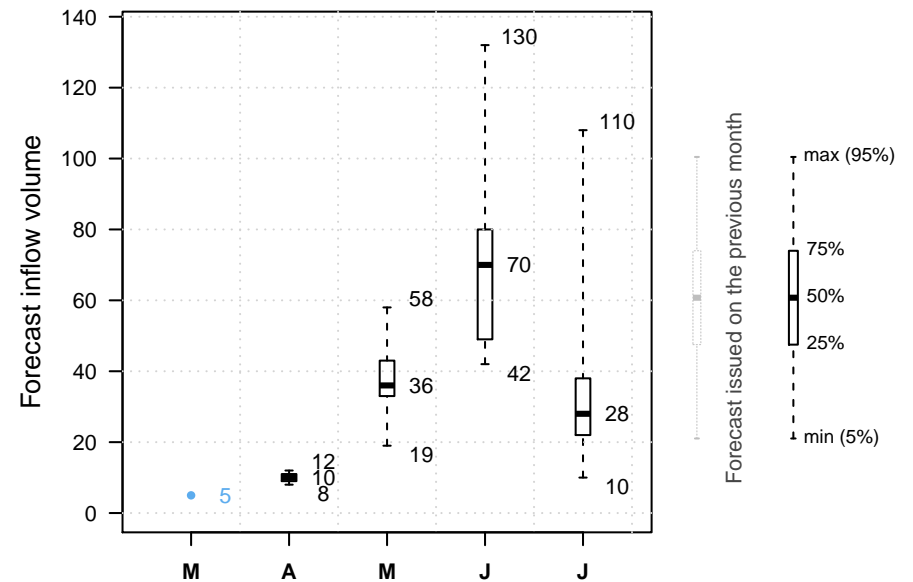
NEXT



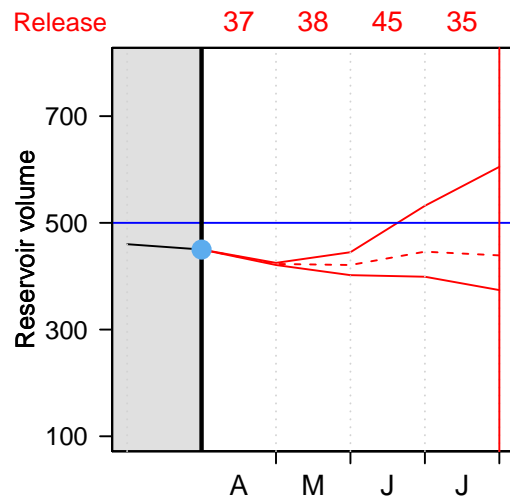
It is April 1st.

And our volunteer?

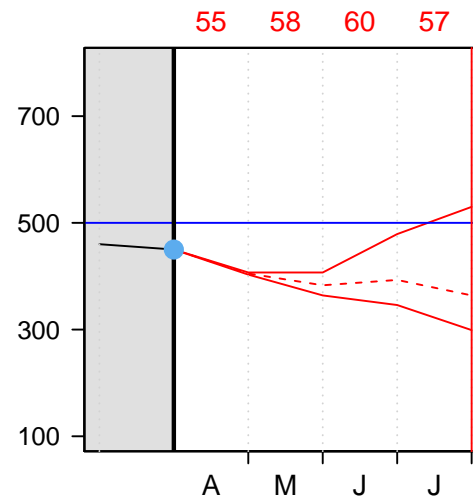
Let's see which release option our volunteer will choose.



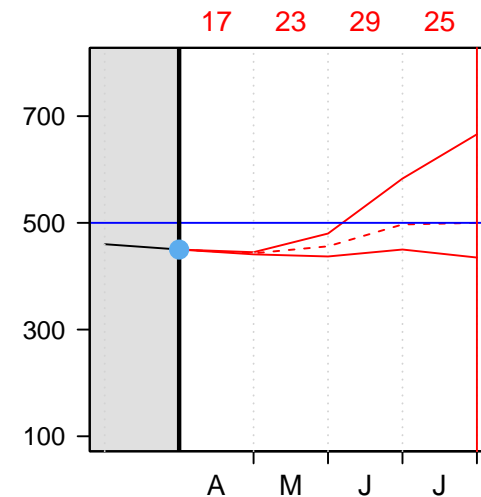
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

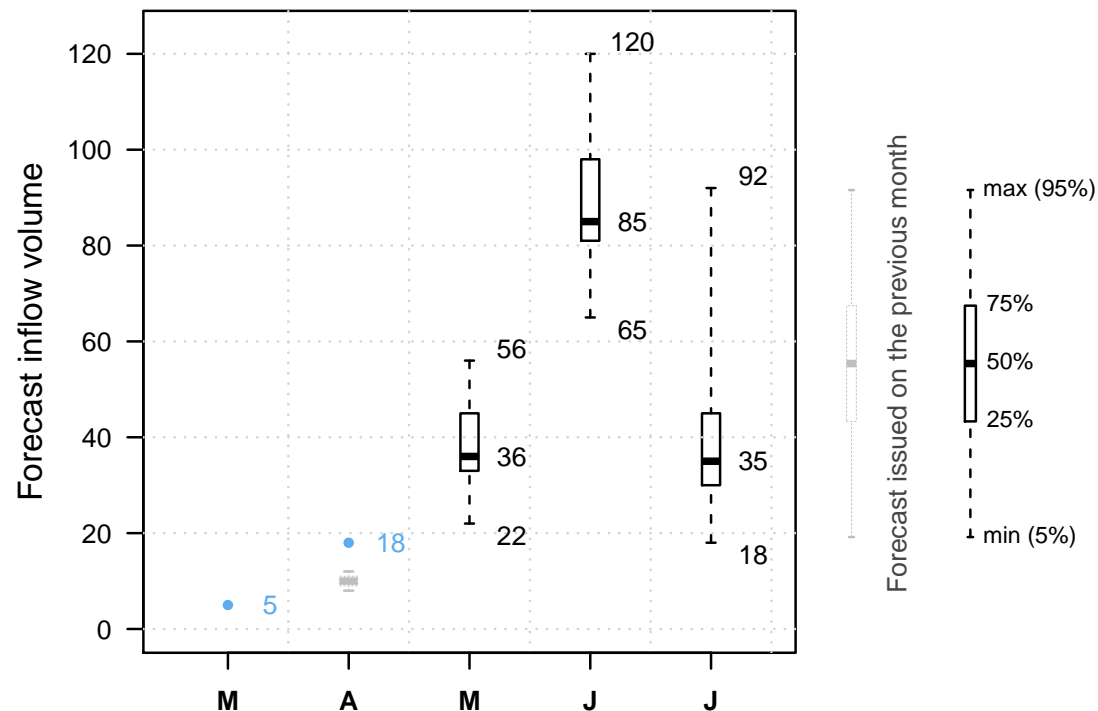


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



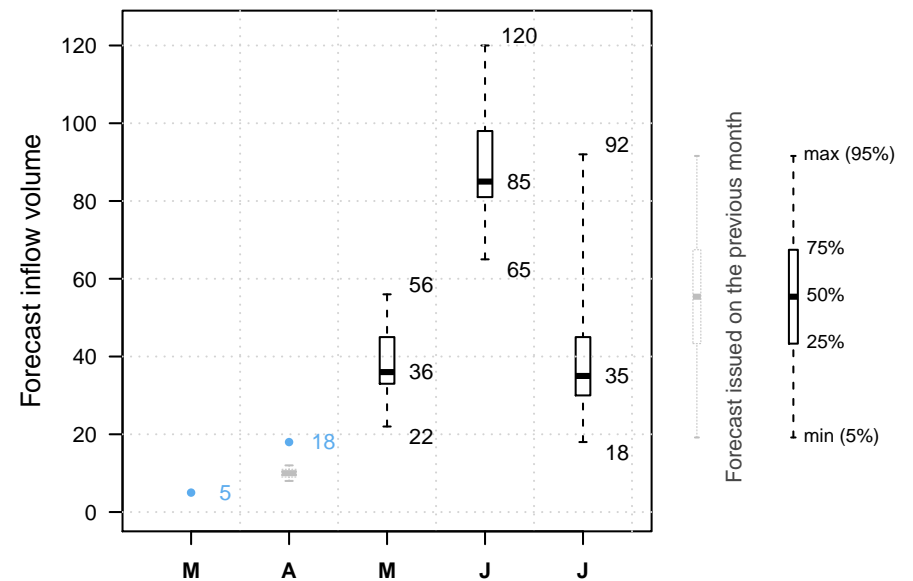
Previous decisions: A



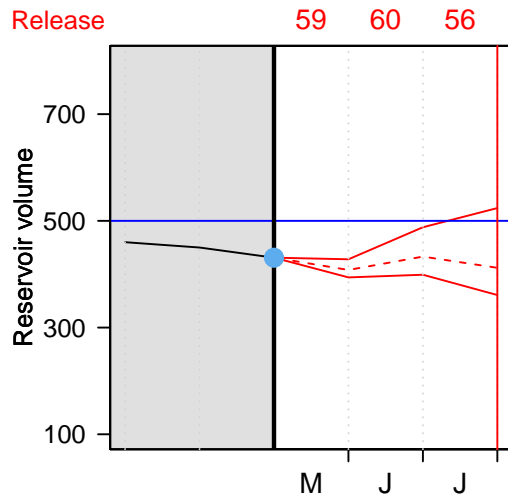
It is May 1st.

And our volunteer?

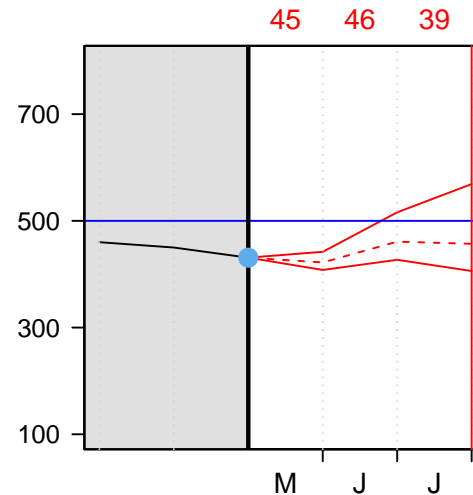
Let's see which release option our volunteer will choose.



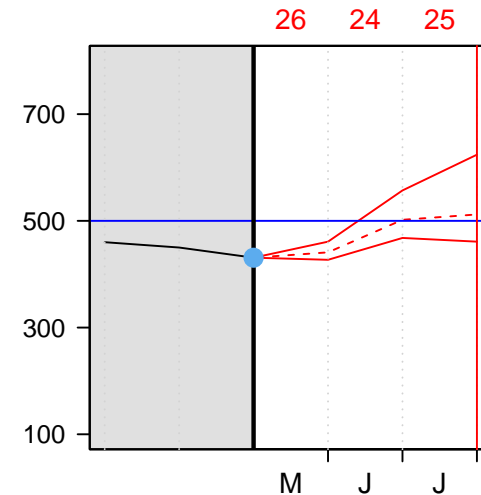
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

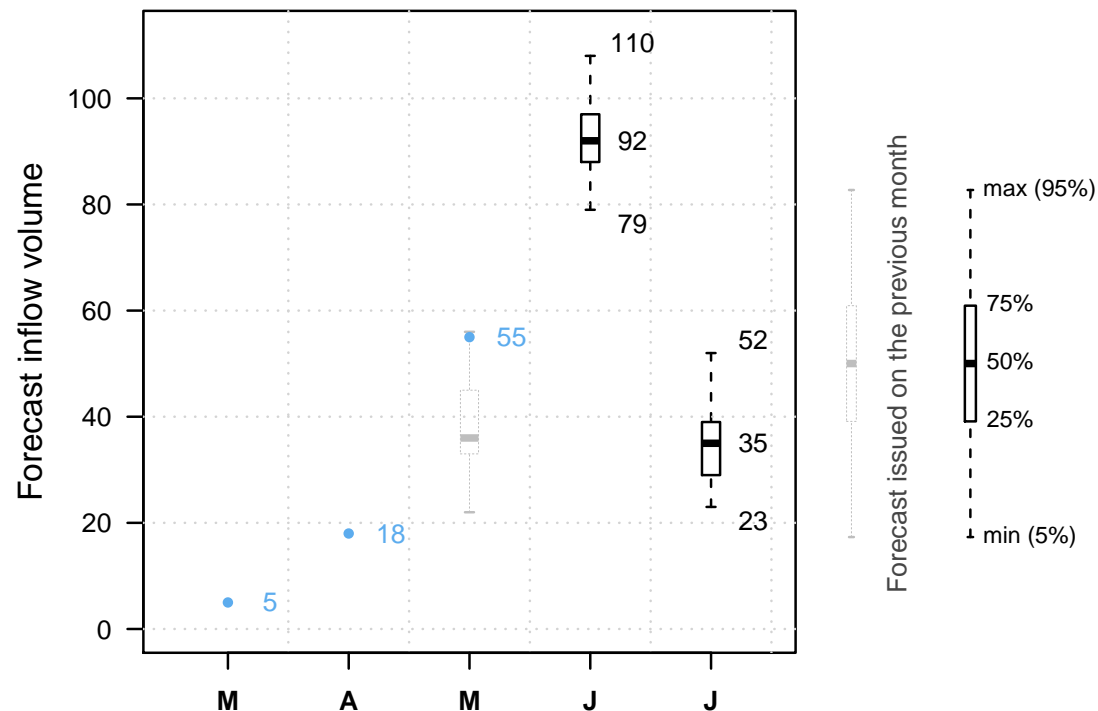


It is June 1st.

The reservoir is at 427  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

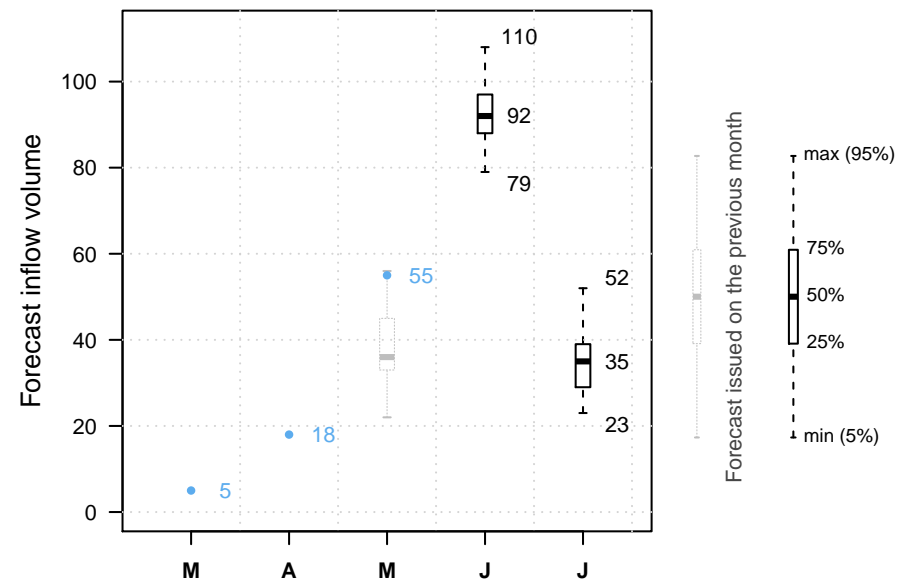
Previous decisions: A A



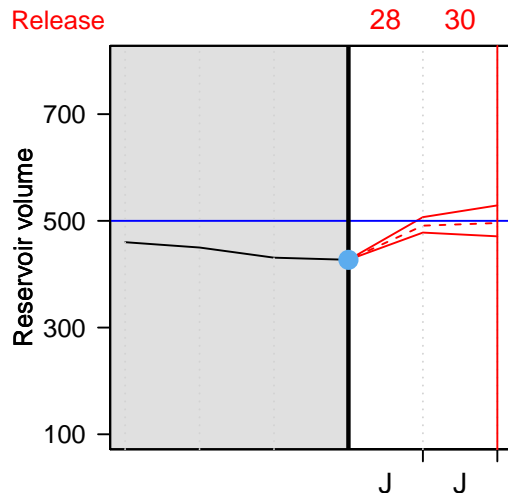
It is June 1st.

And our volunteer?

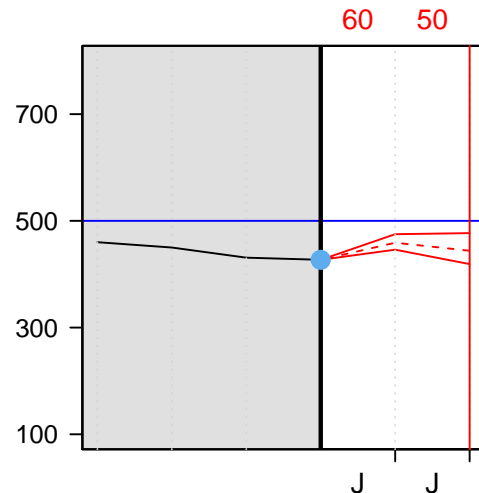
Let's see which release option our volunteer will choose.



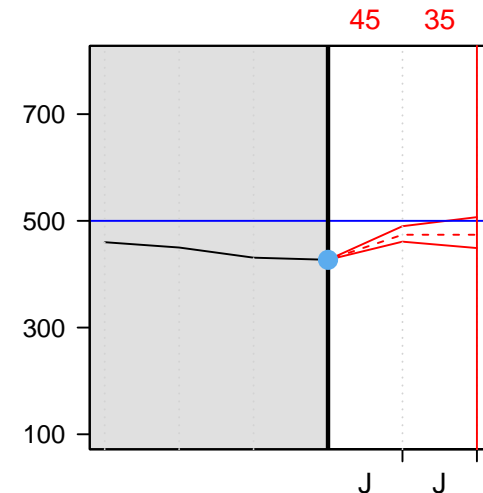
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 487 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

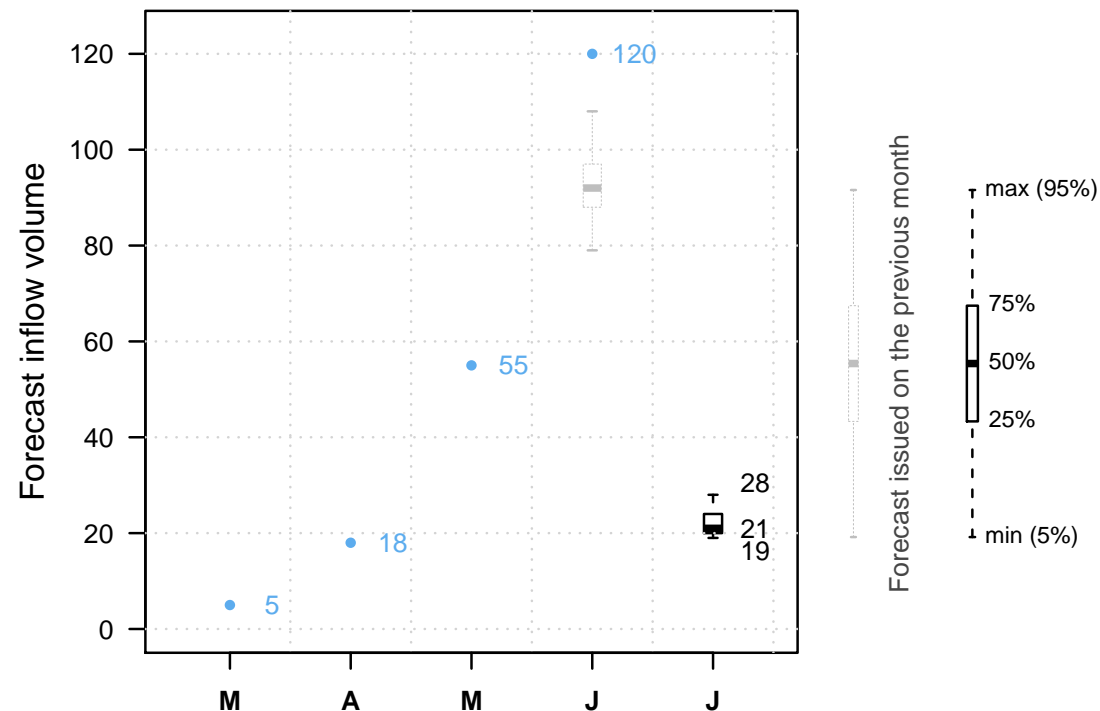


It is July 1st.

The reservoir is at 487  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.



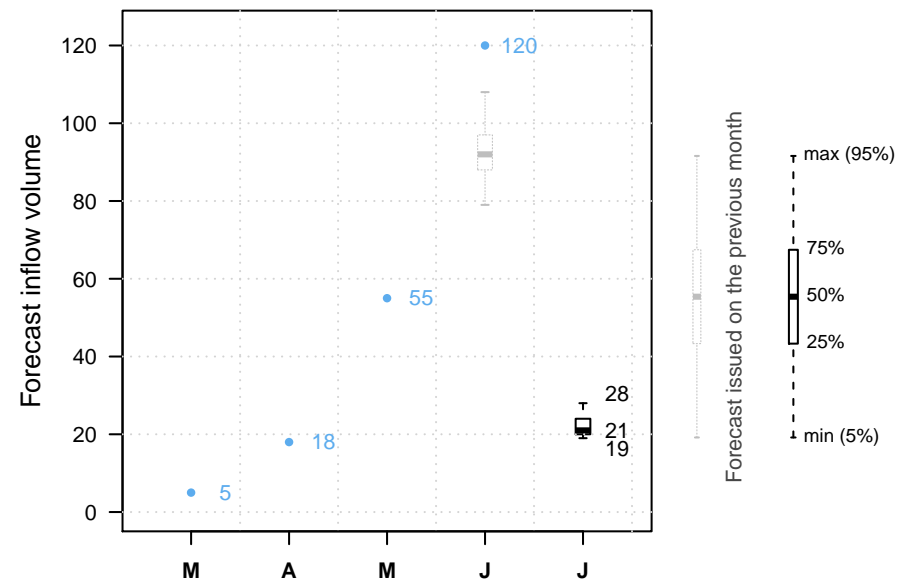
Previous decisions: A A B



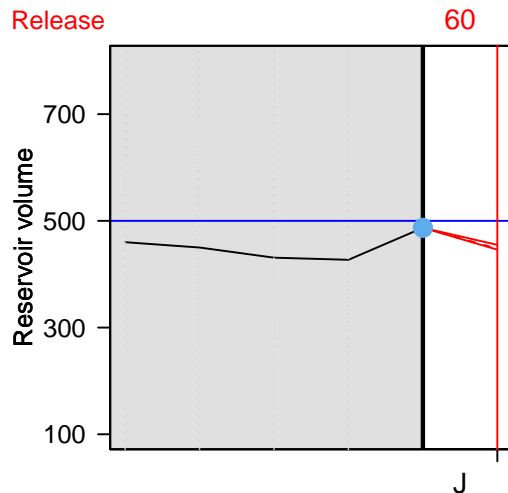
It is July 1st.

And our volunteer?

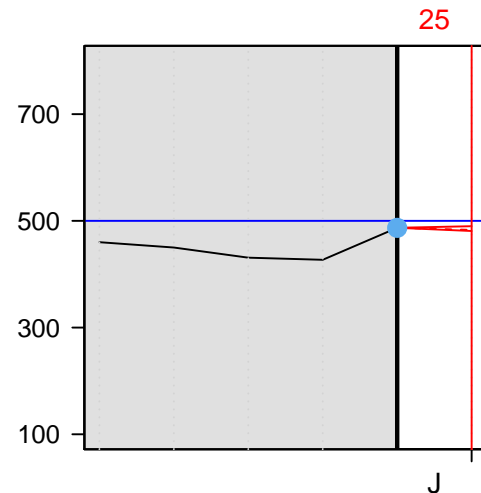
Let's see which release option our volunteer will choose.



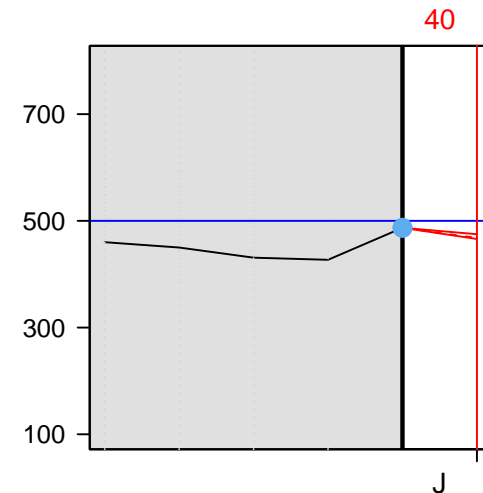
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$487 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 469 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

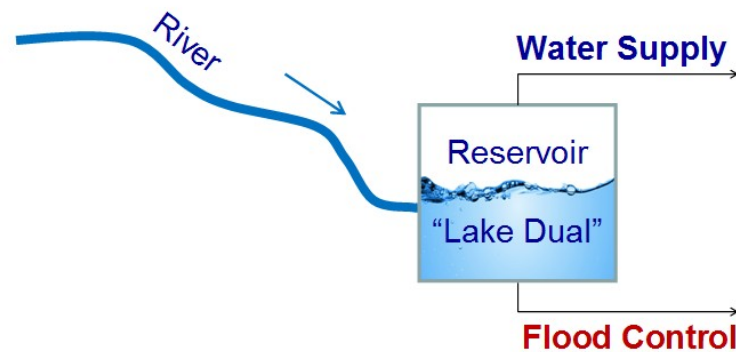
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



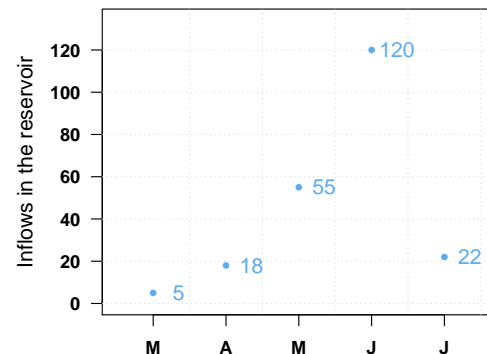
Swof Town



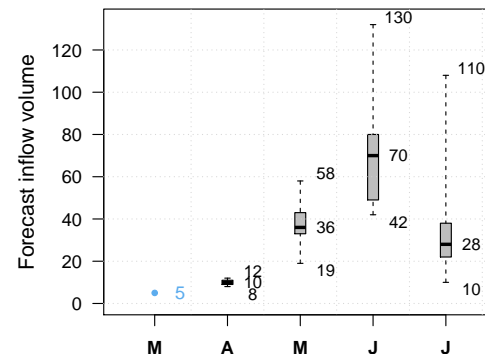
Safe Town



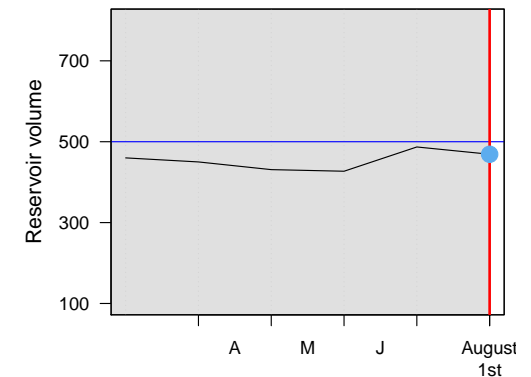
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

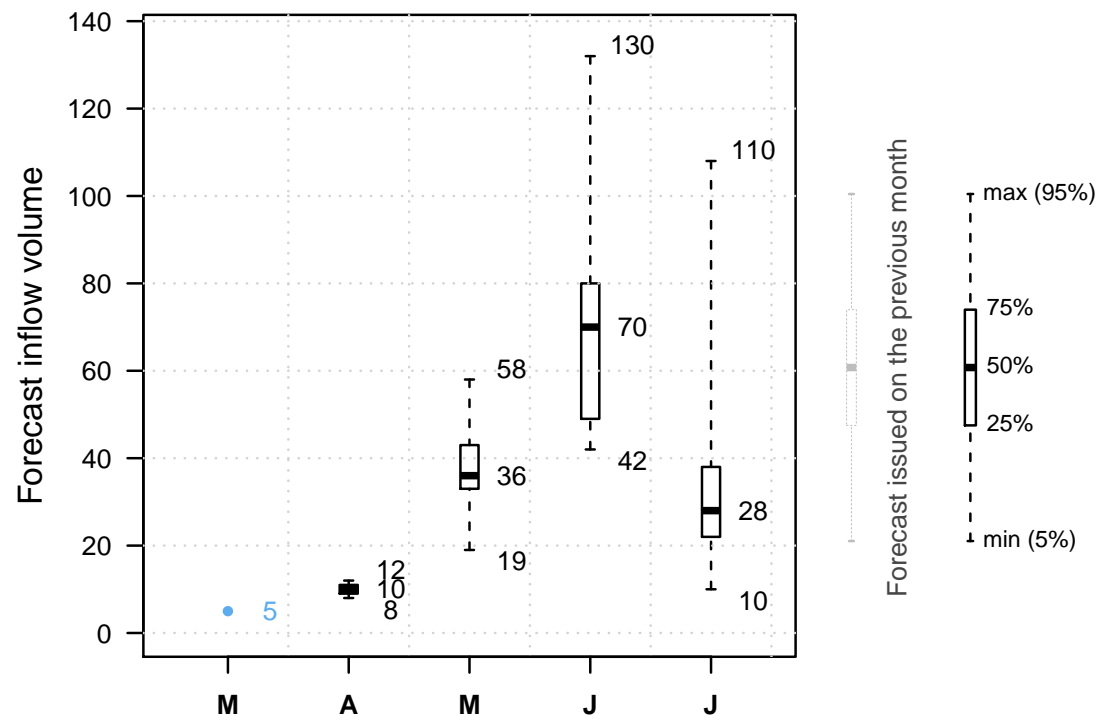


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

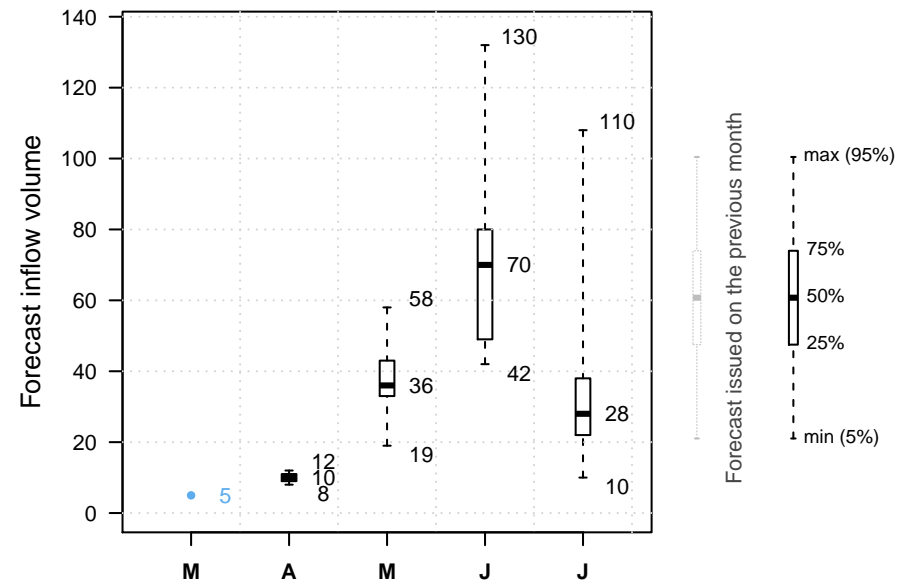
**NEXT**



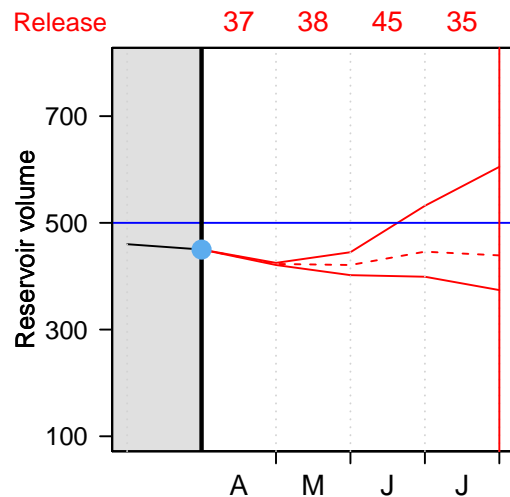
It is April 1st.

And our volunteer?

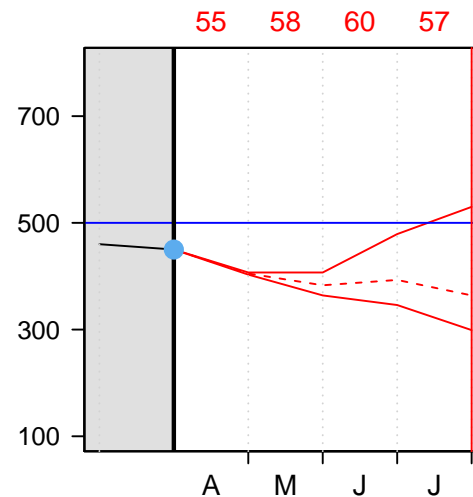
Let's see which release option our volunteer will choose.



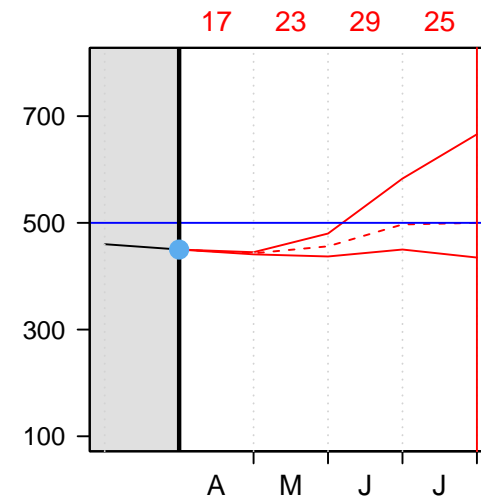
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



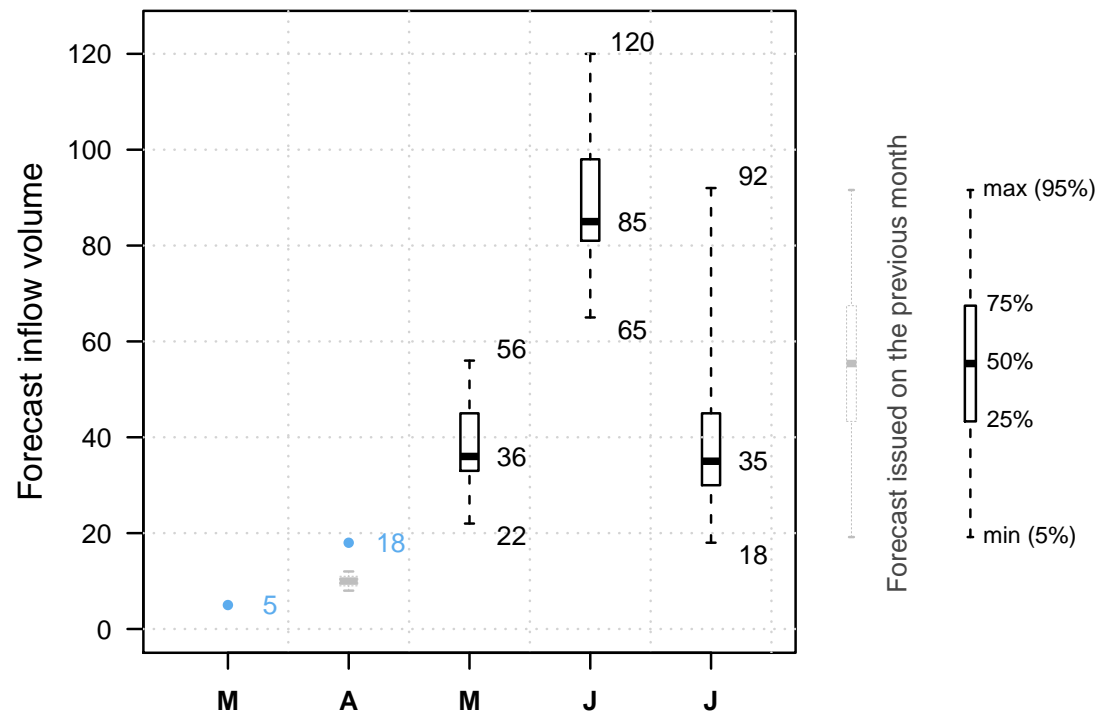


It is May 1st.

The reservoir is at  $413 \text{ Mm}^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

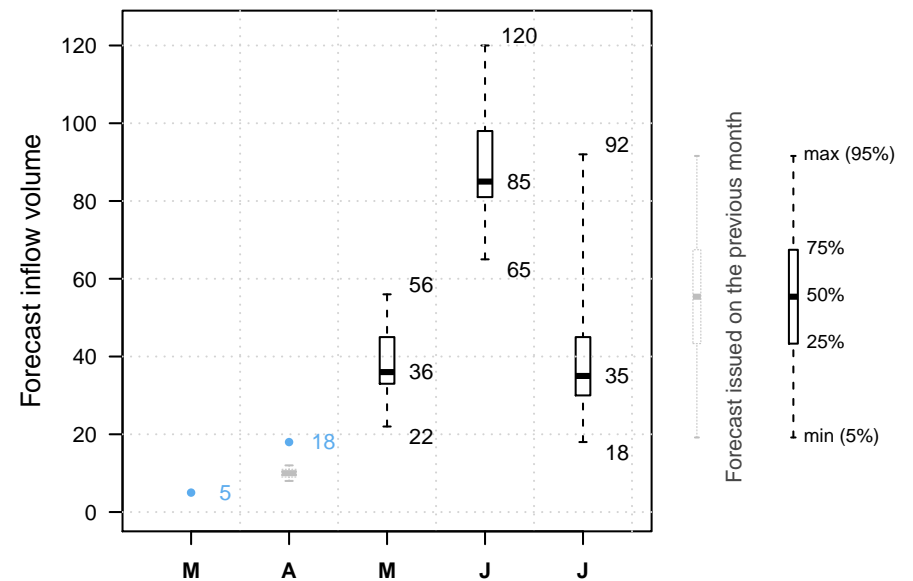
Previous decisions: B



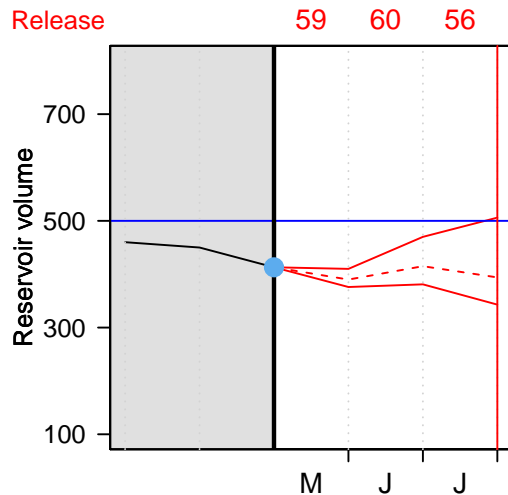
It is May 1st.

And our volunteer?

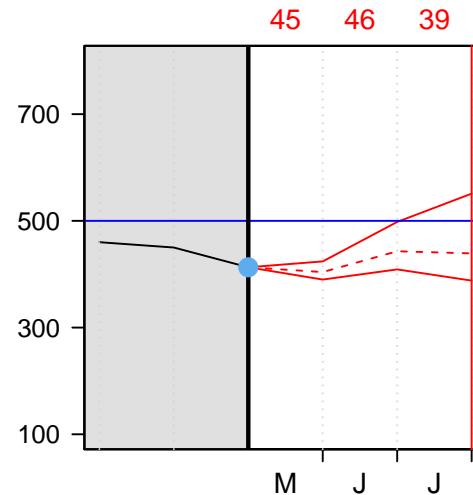
Let's see which release option our volunteer will choose.



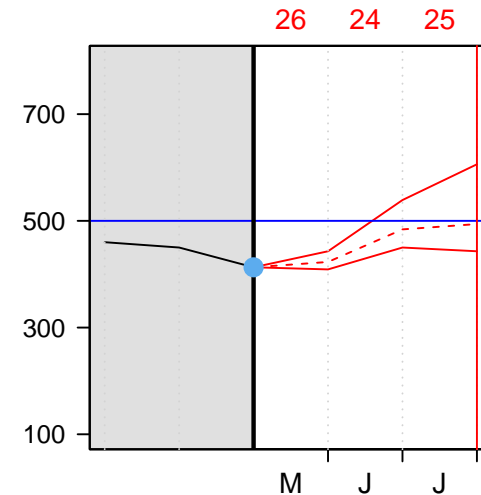
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

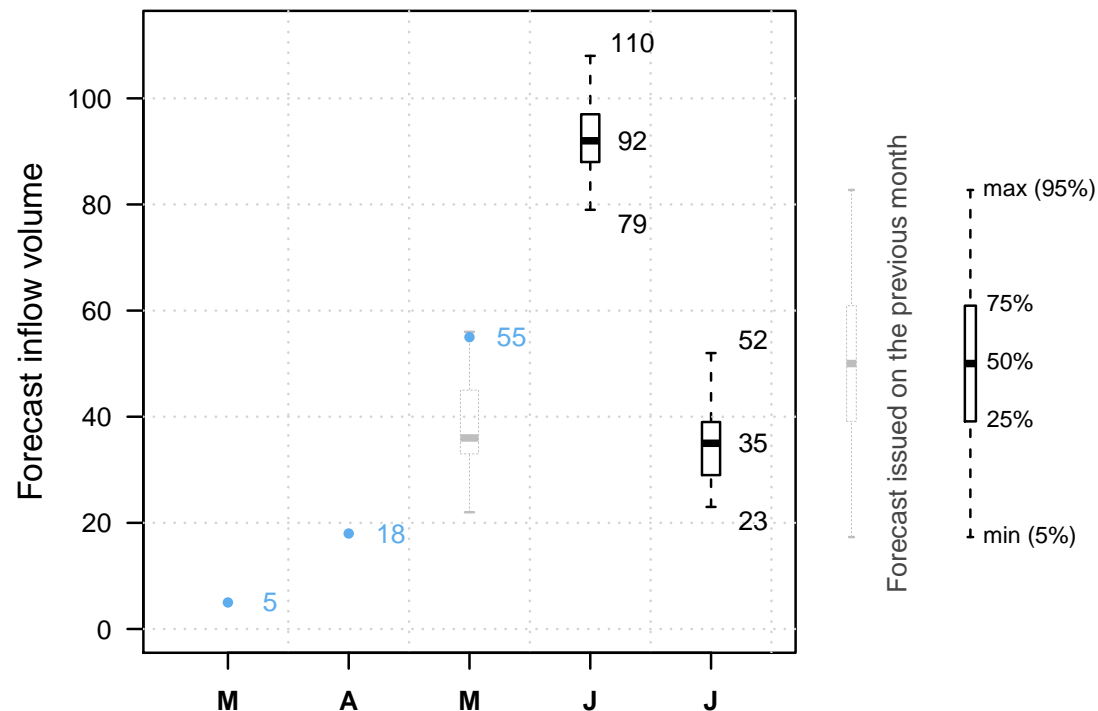


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

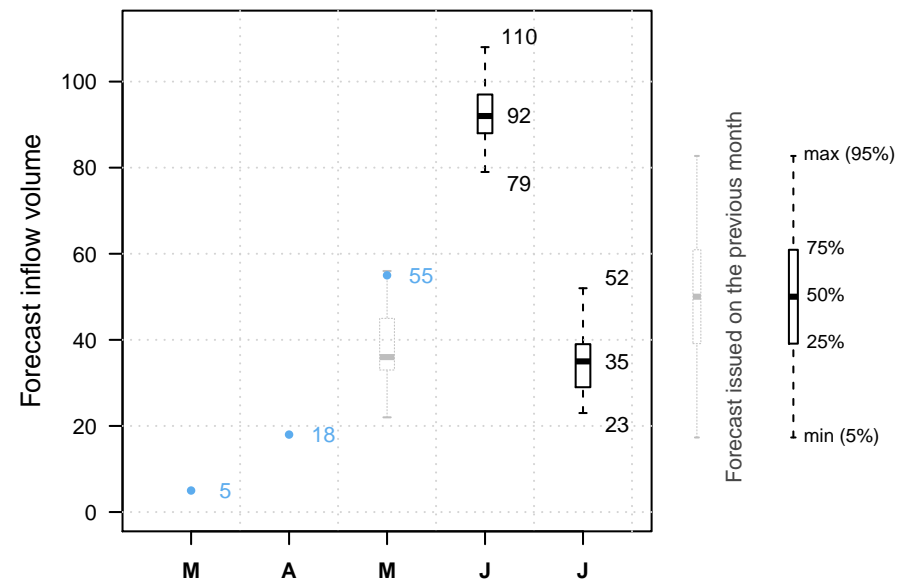
Previous decisions: B A



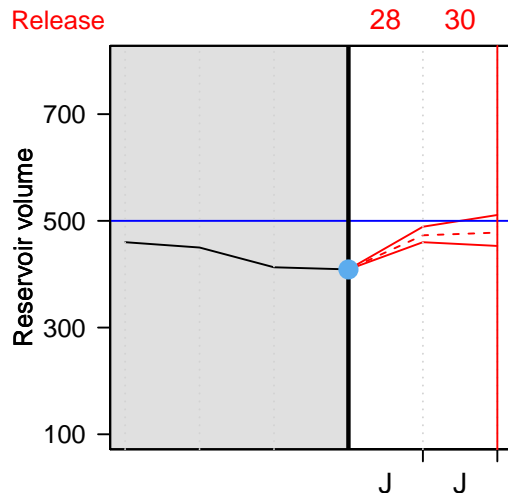
It is June 1st.

And our volunteer?

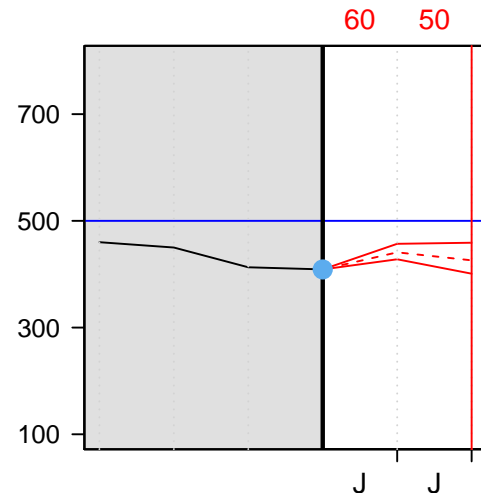
Let's see which release option our volunteer will choose.



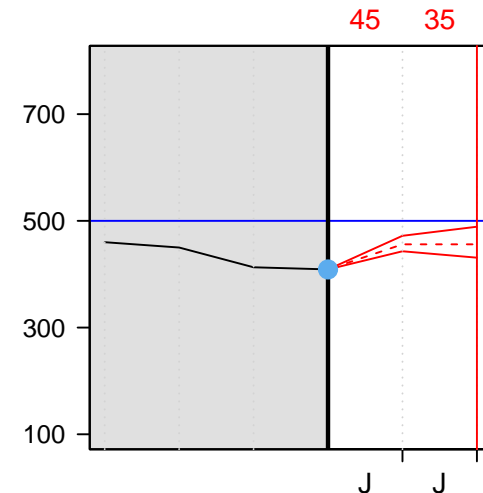
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 469 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



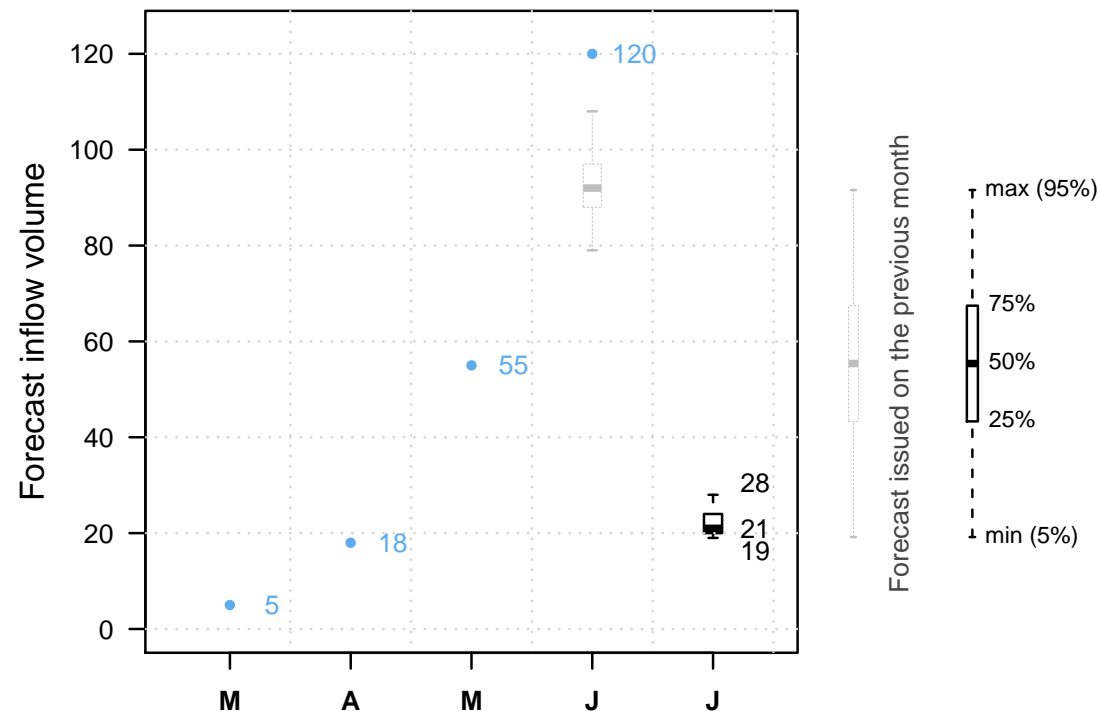


It is July 1st.

The reservoir is at 469  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

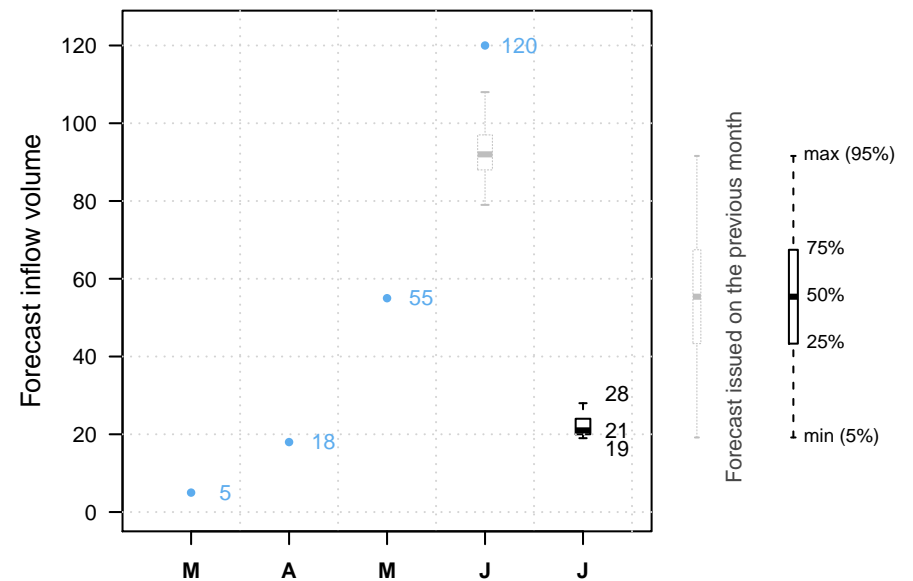
Previous decisions: B A B



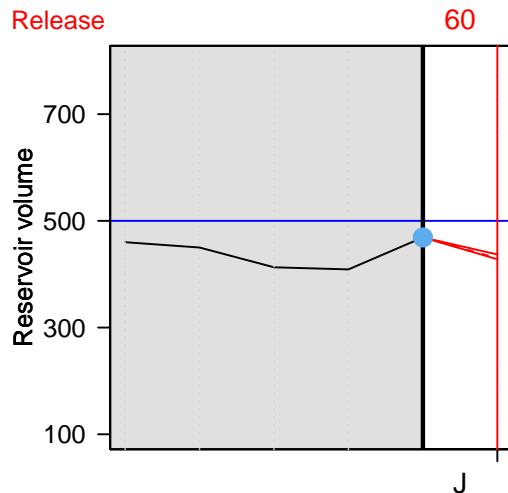
It is July 1st.

And our volunteer?

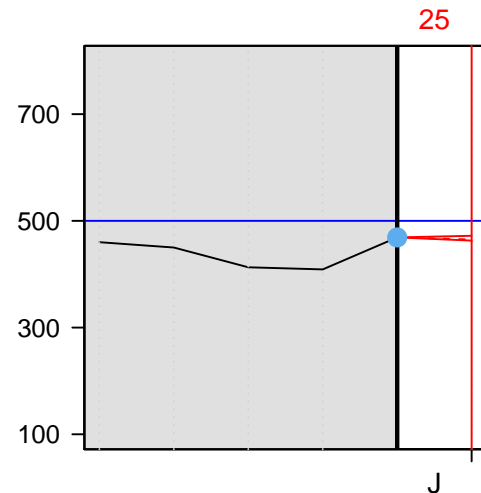
Let's see which release option our volunteer will choose.



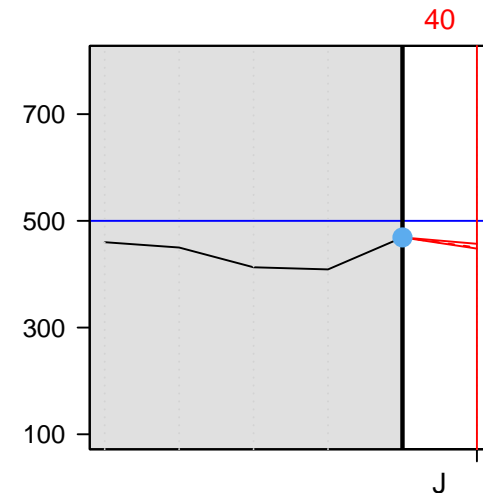
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$469 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

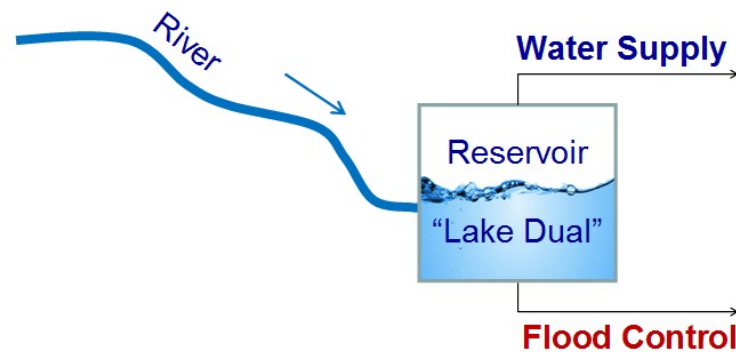
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



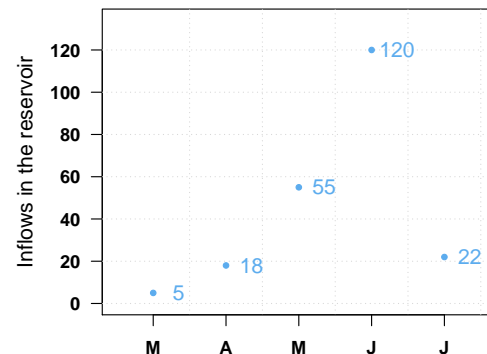
Swof Town



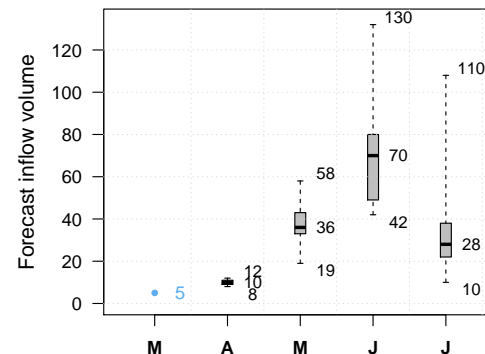
Safe Town



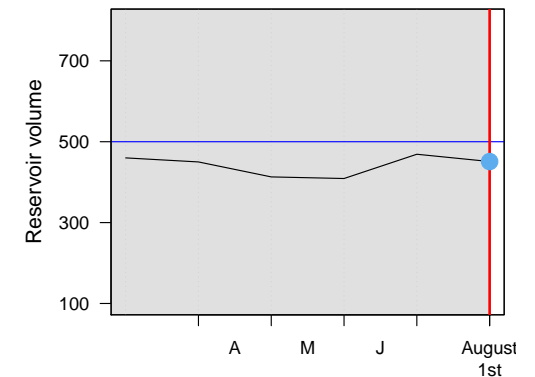
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

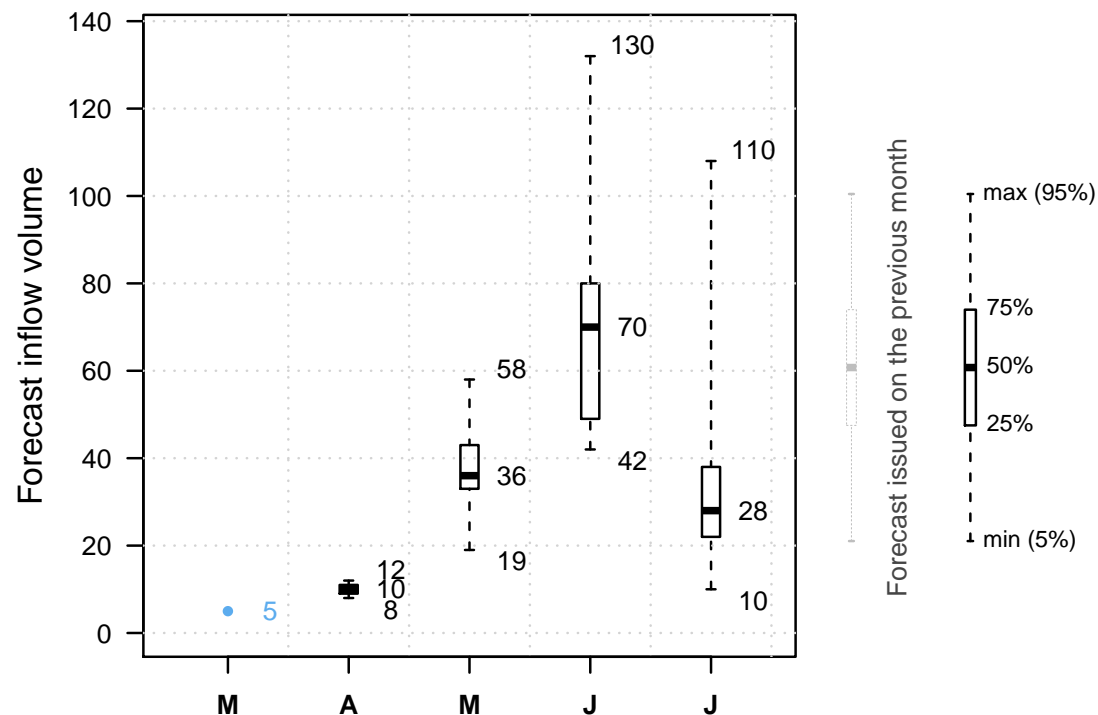


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

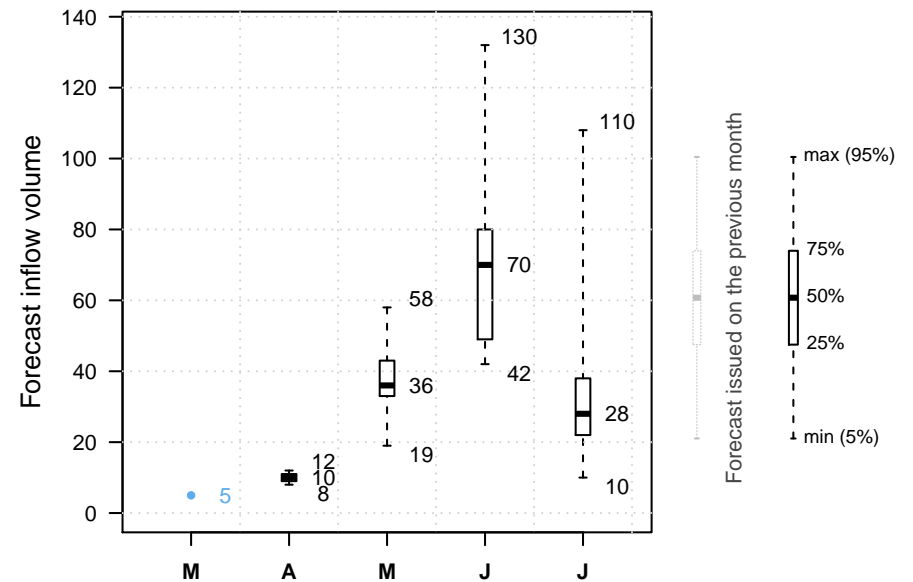
NEXT



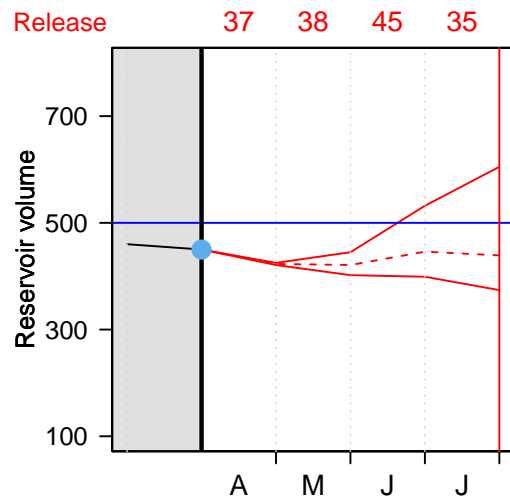
It is April 1st.

And our volunteer?

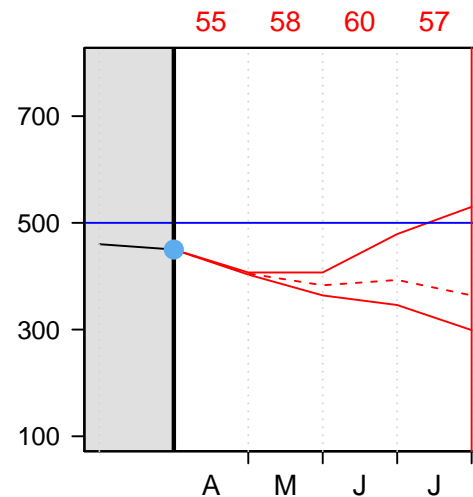
Let's see which release option our volunteer will choose.



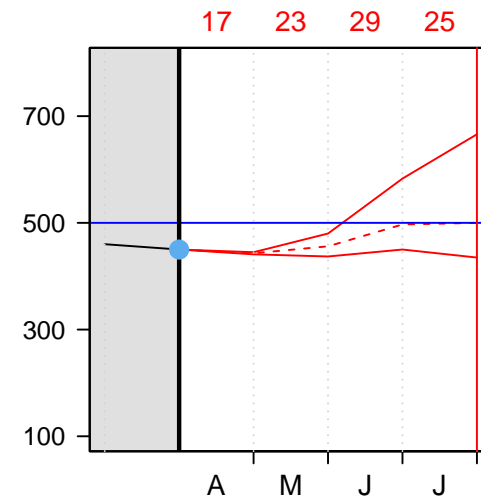
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

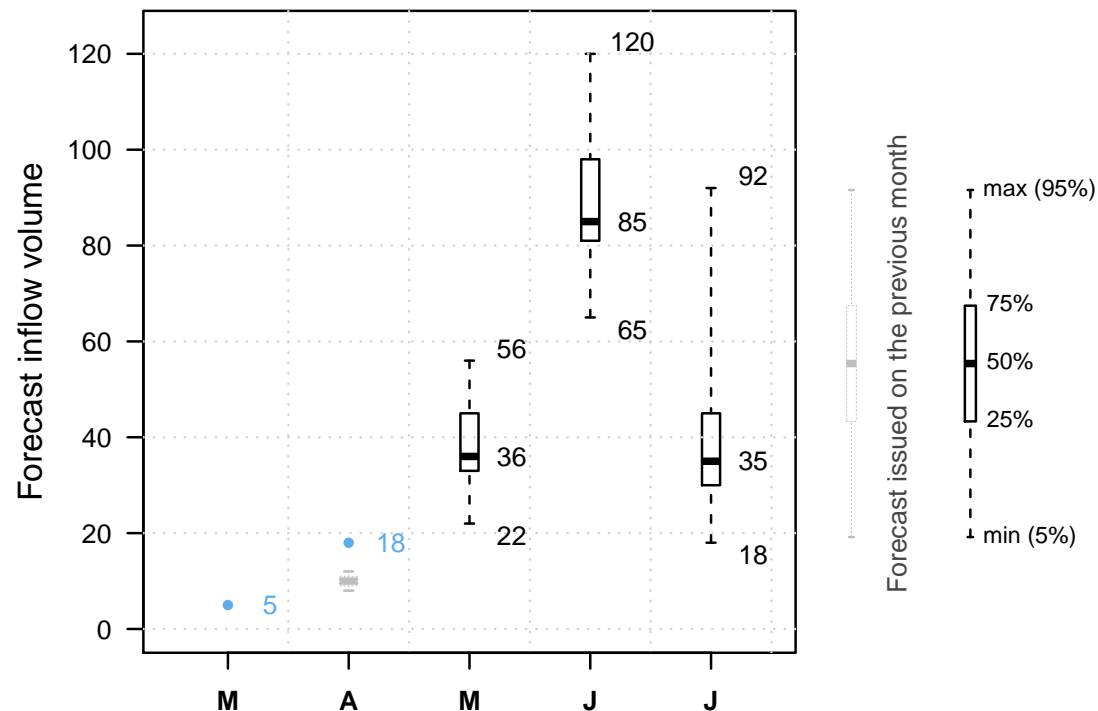


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

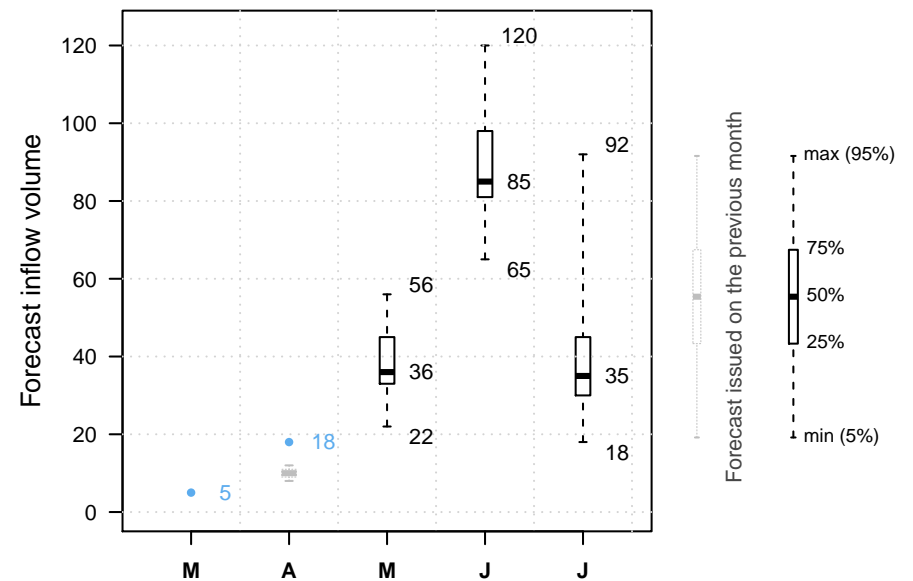
Previous decisions: C



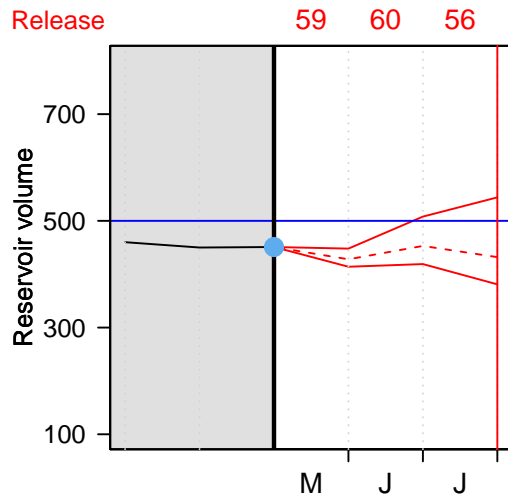
It is May 1st.

And our volunteer?

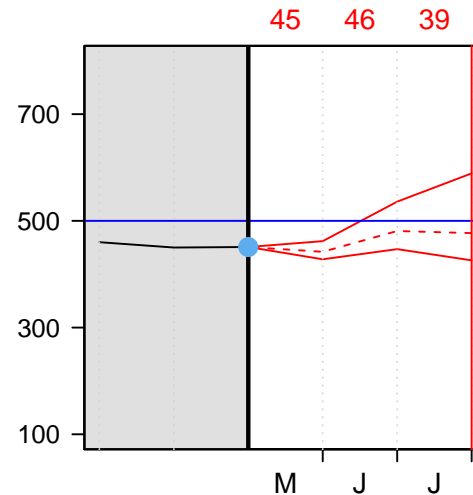
Let's see which release option our volunteer will choose.



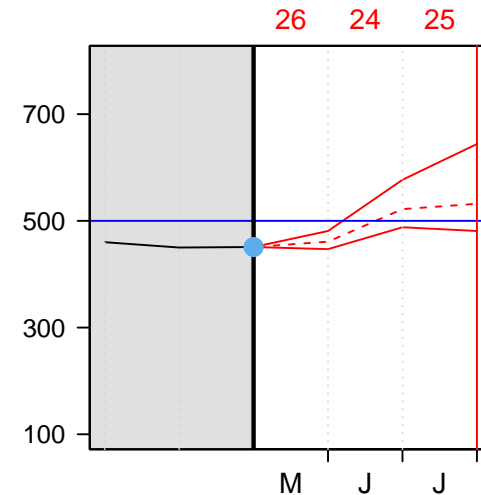
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

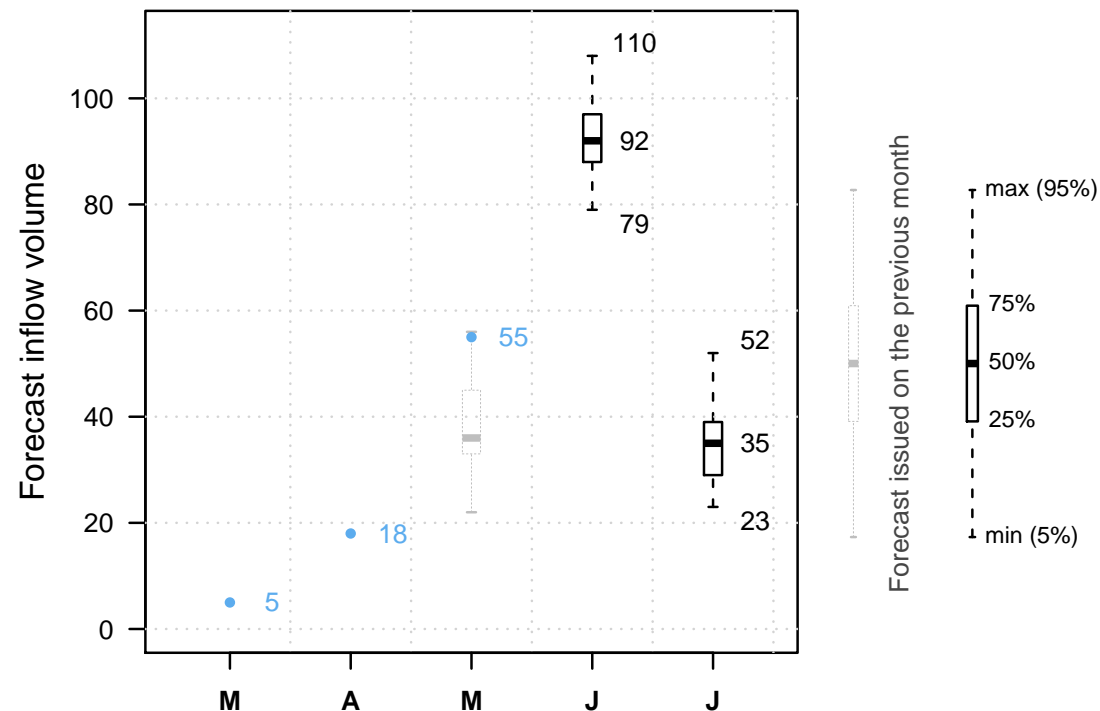


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

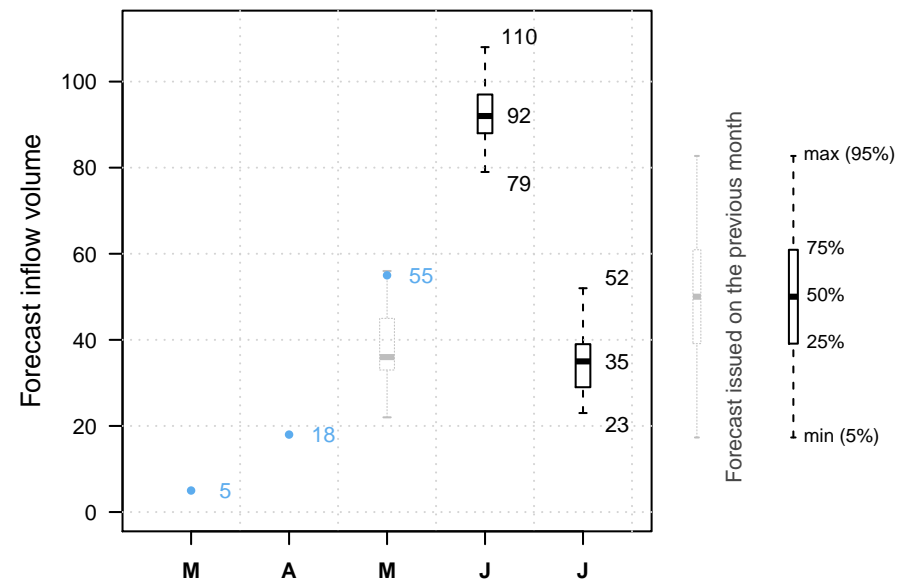
Previous decisions: C A



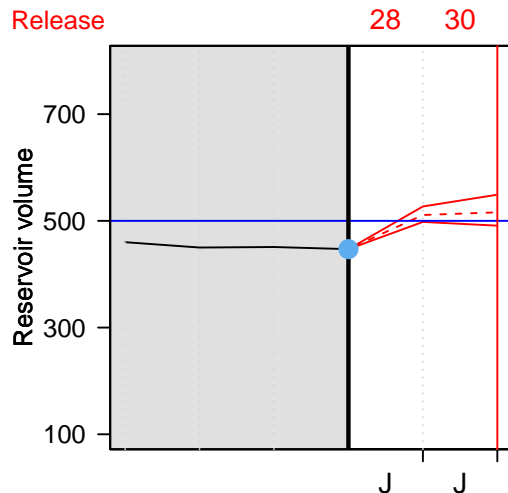
It is June 1st.

And our volunteer?

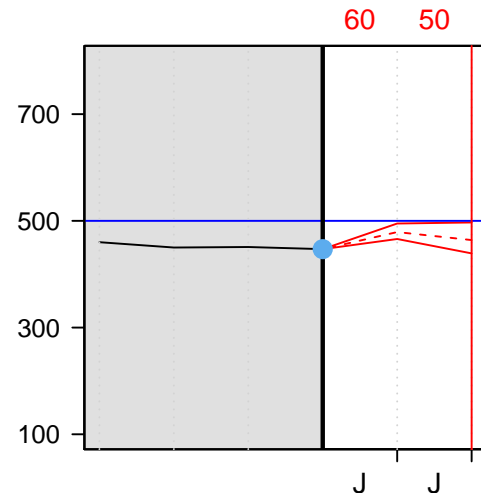
Let's see which release option our volunteer will choose.



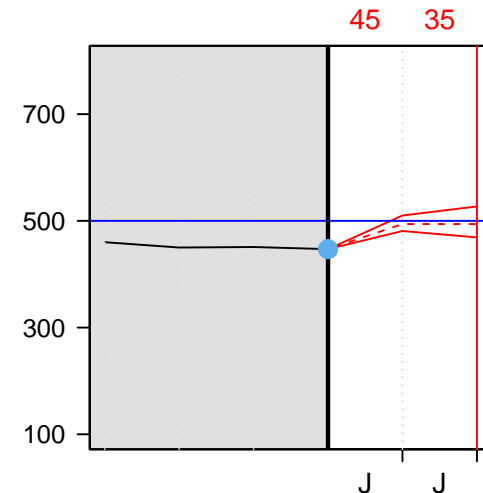
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 507 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

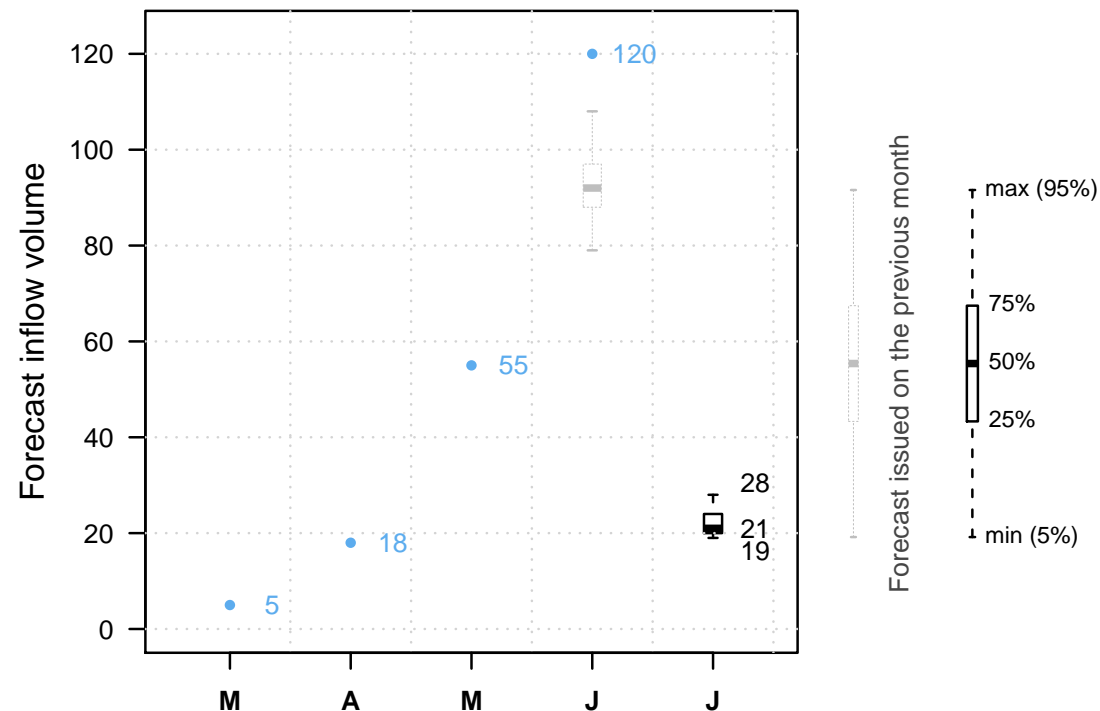


It is July 1st.

The reservoir is at  $507 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

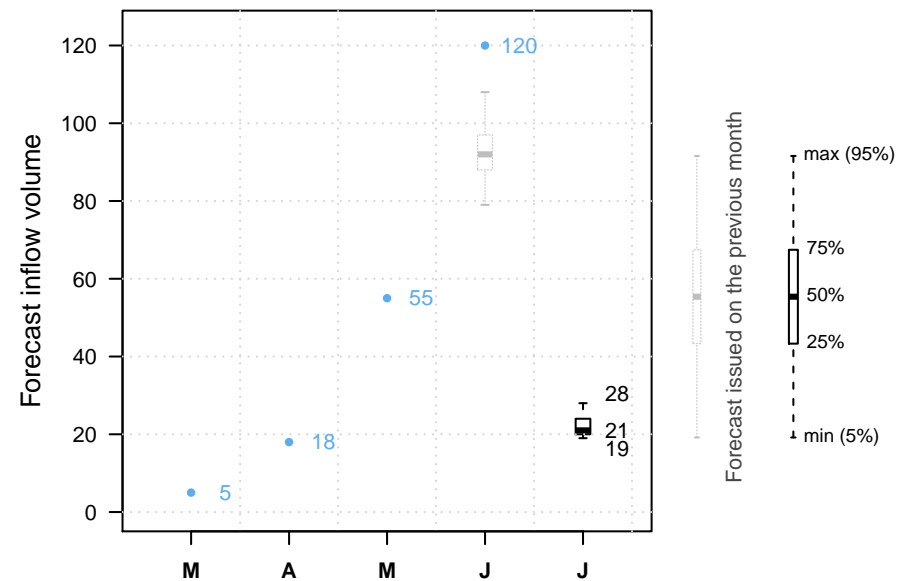
Previous decisions: C A B



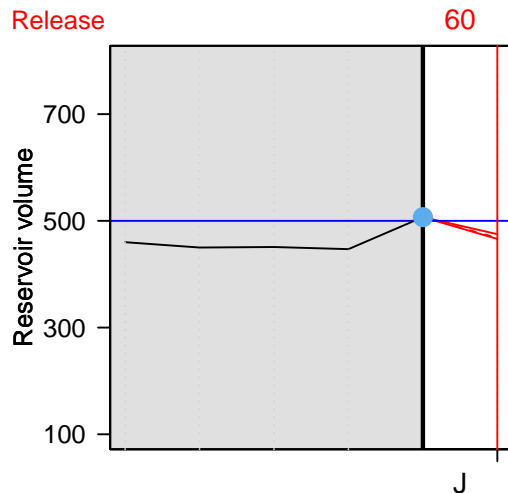
It is July 1st.

And our volunteer?

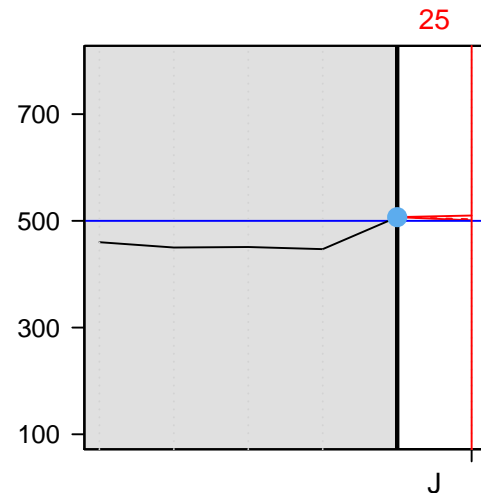
Let's see which release option our volunteer will choose.



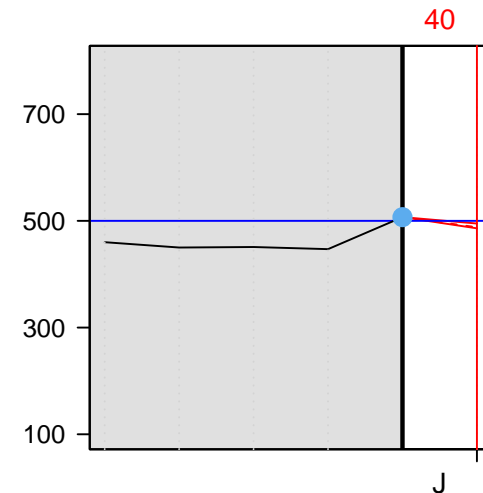
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$507 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 489 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

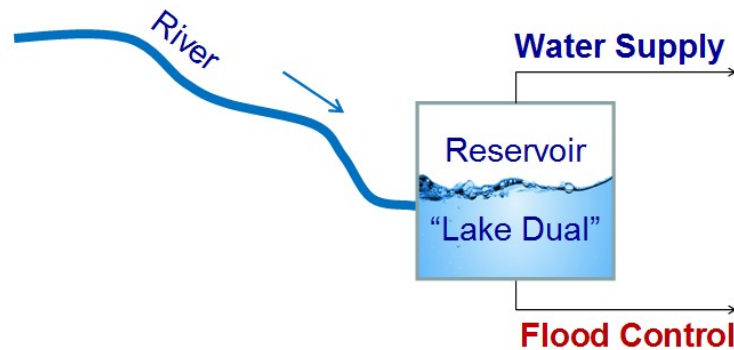
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



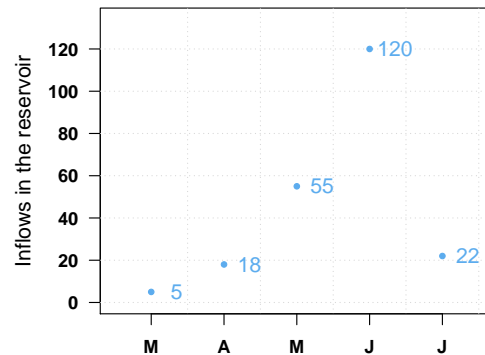
Swof Town



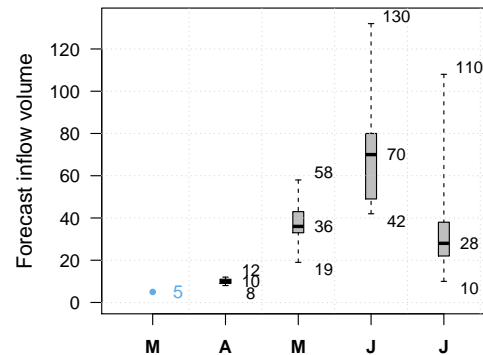
Safe Town



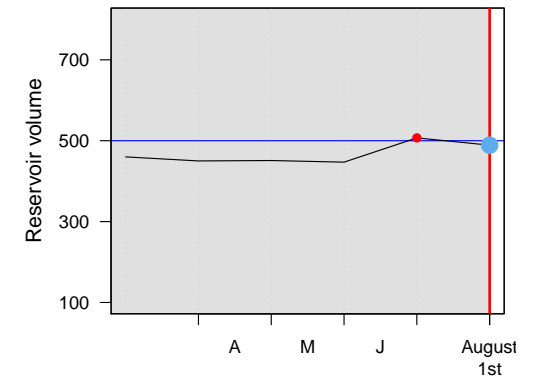
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

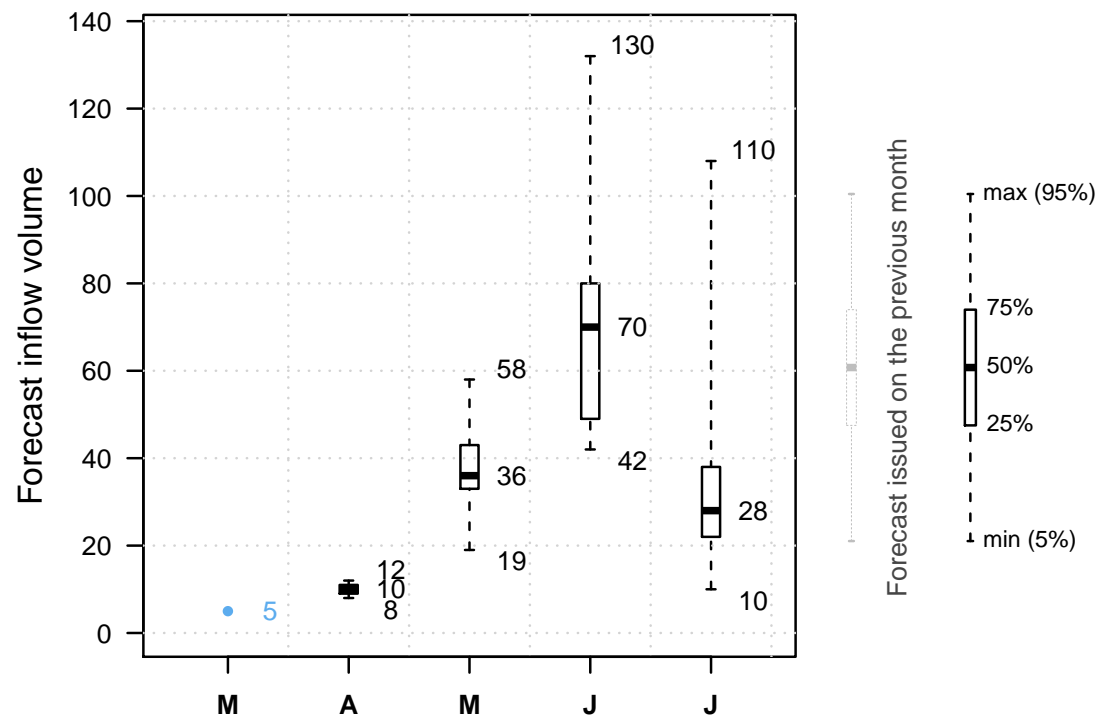


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

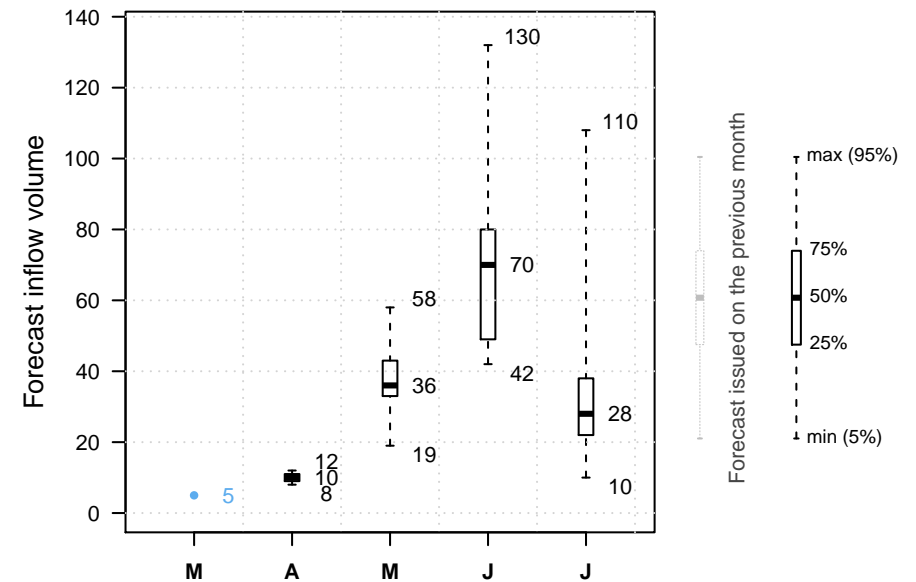
**NEXT**



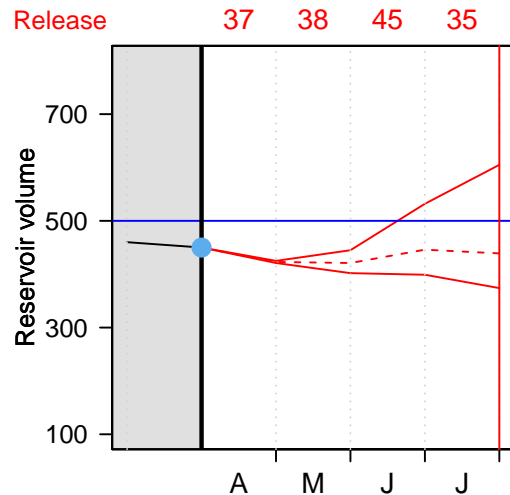
It is April 1st.

And our volunteer?

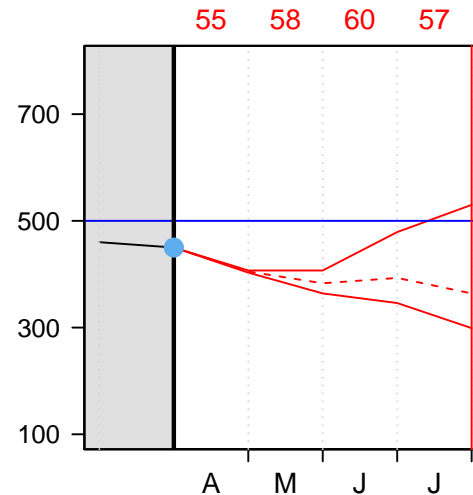
Let's see which release option our volunteer will choose.



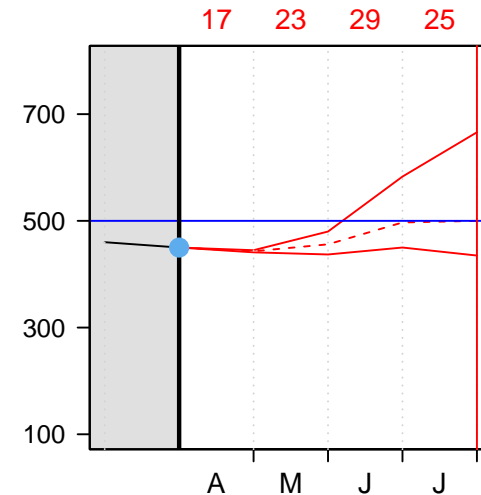
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

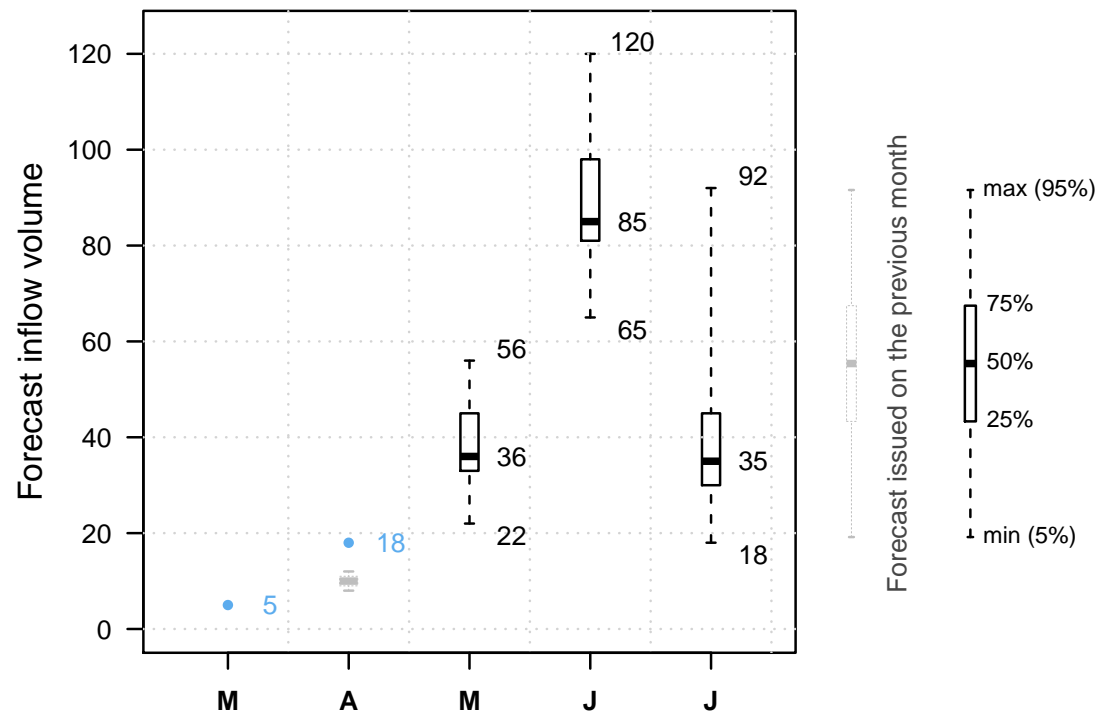


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

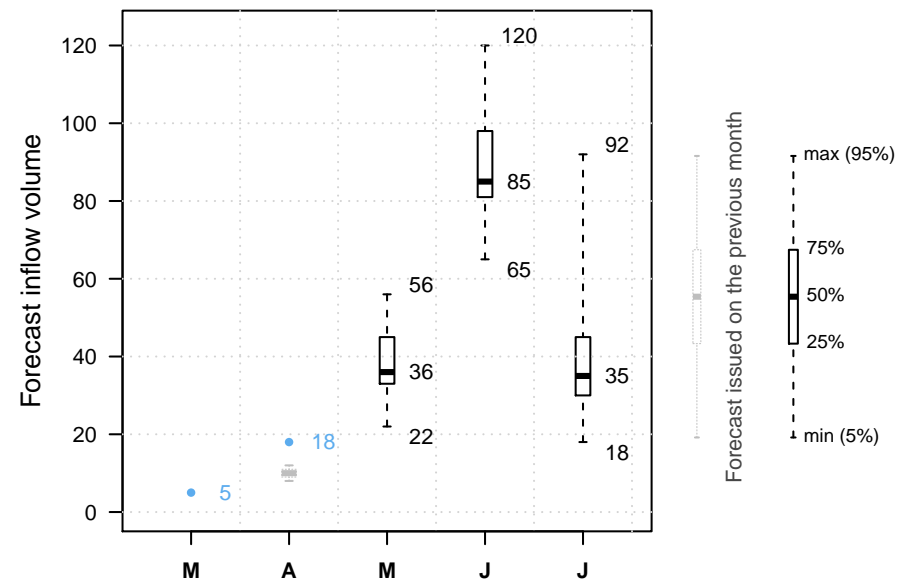
Previous decisions: A



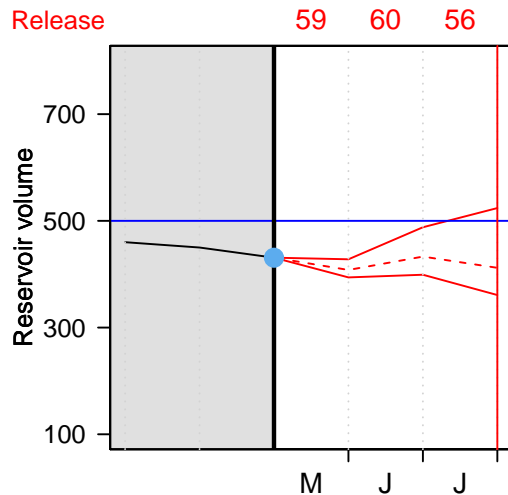
It is May 1st.

And our volunteer?

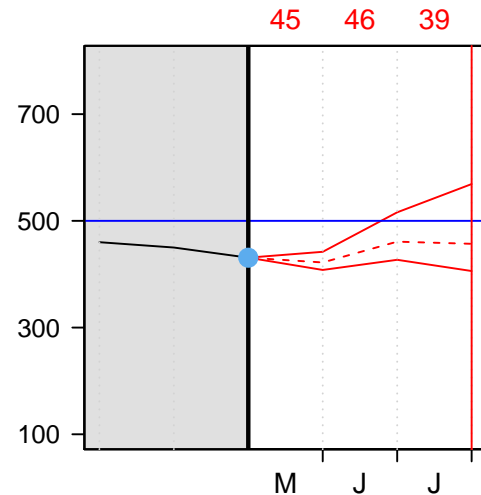
Let's see which release option our volunteer will choose.



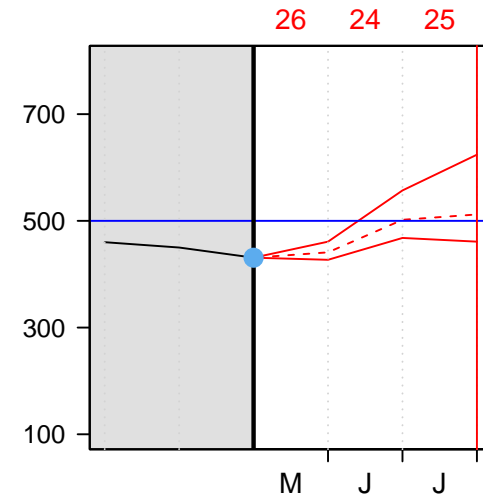
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

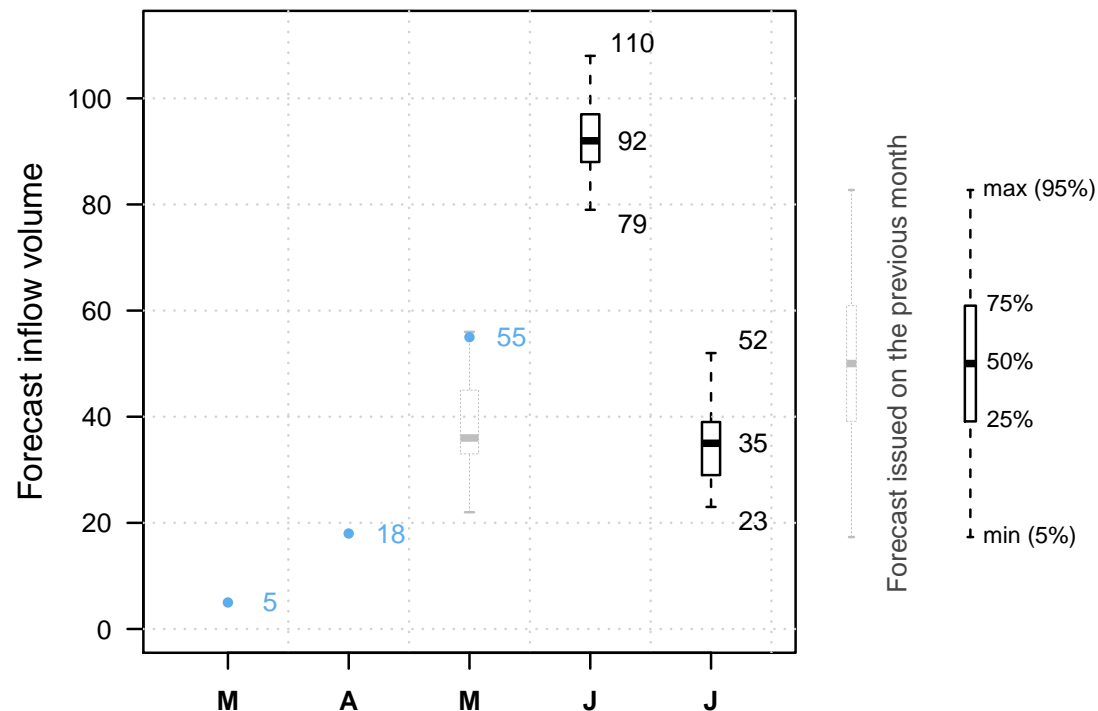


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

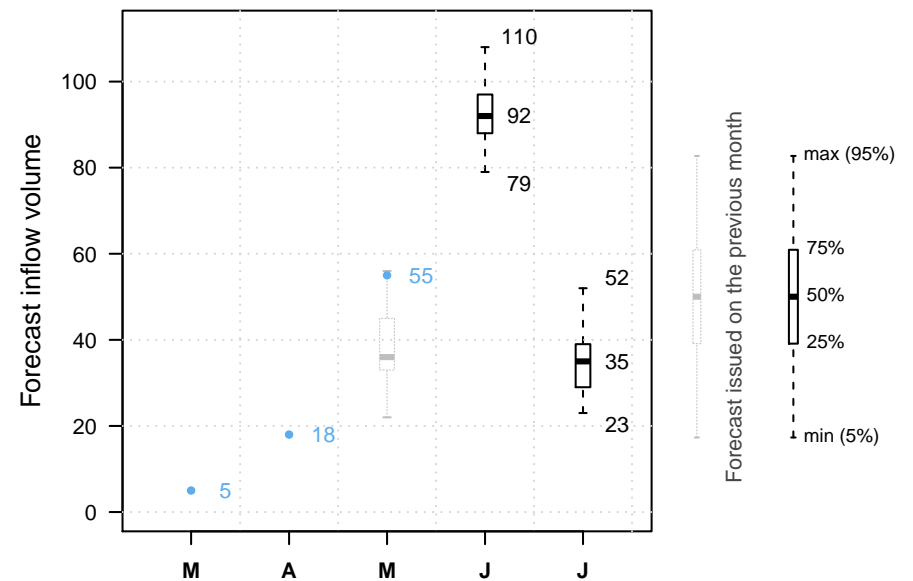
Previous decisions: A B



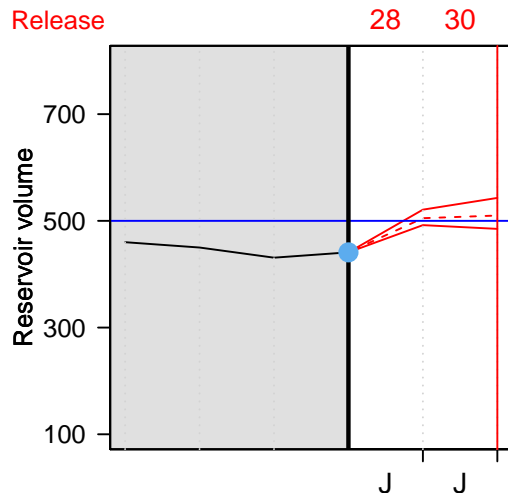
It is June 1st.

And our volunteer?

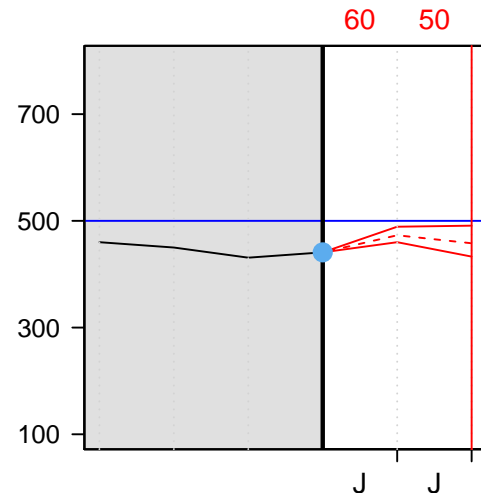
Let's see which release option our volunteer will choose.



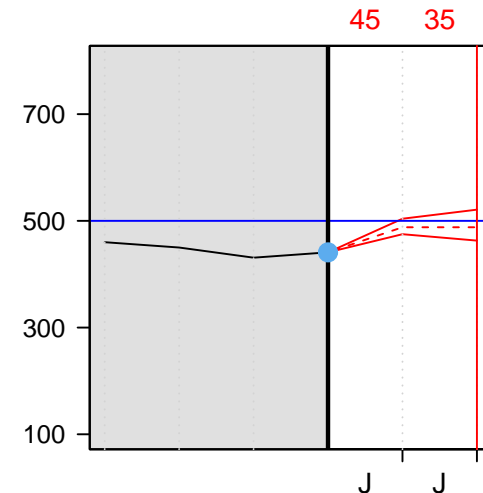
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 501 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

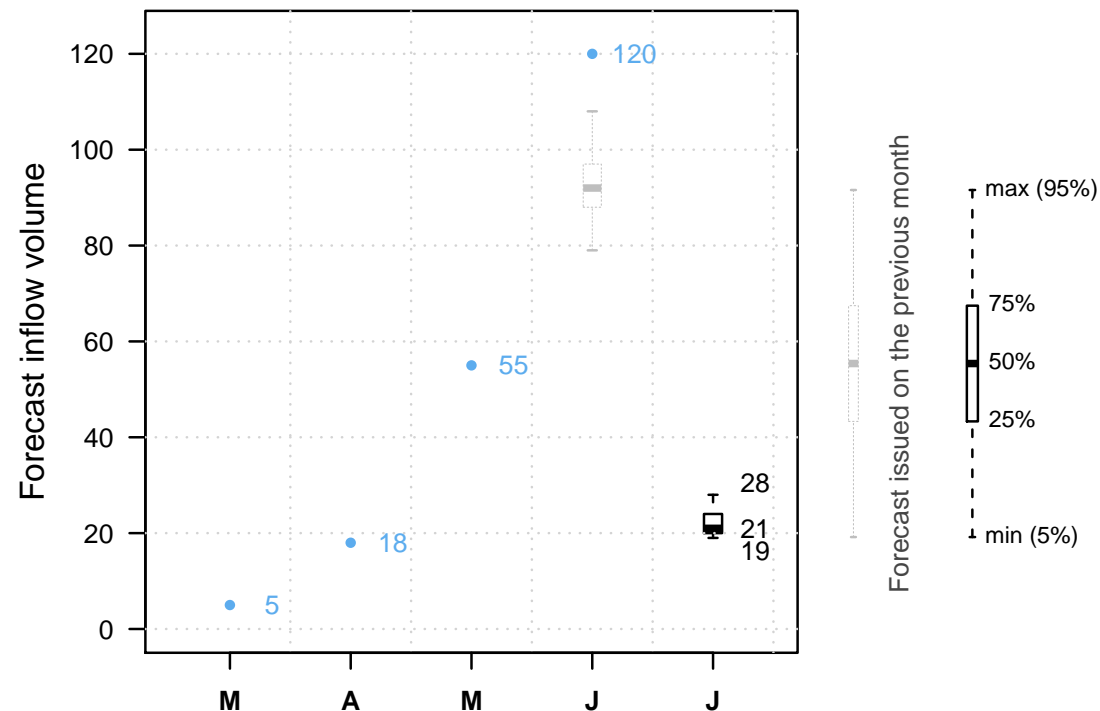


It is July 1st.

The reservoir is at  $501 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

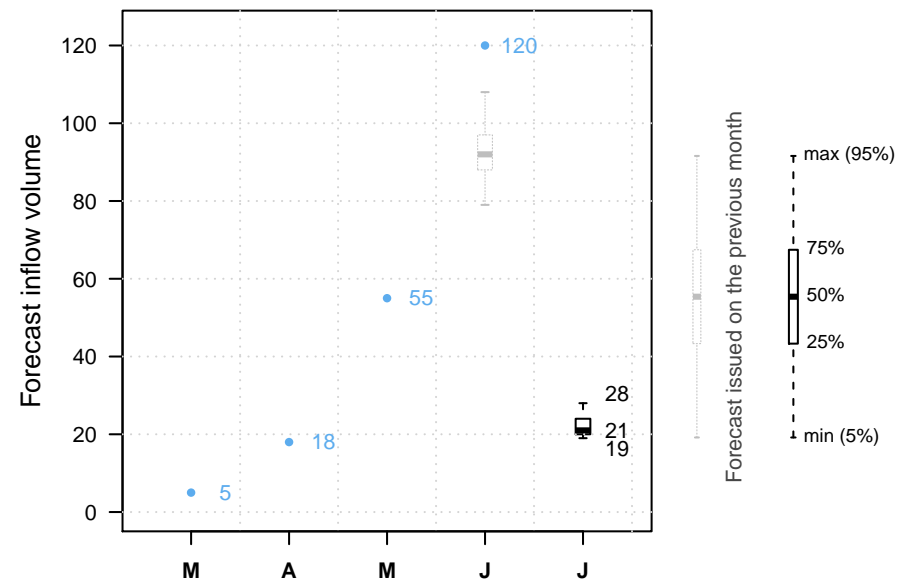
Previous decisions: A B B



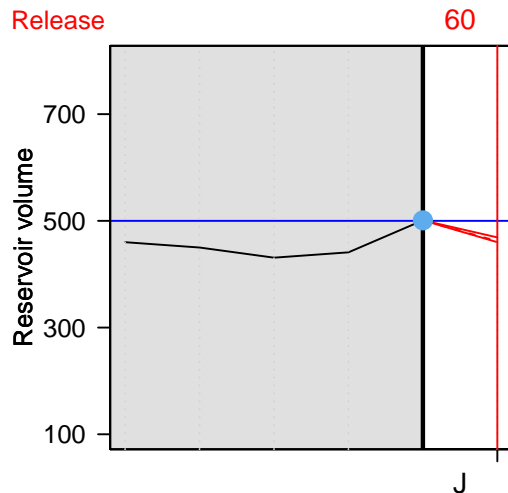
It is July 1st.

And our volunteer?

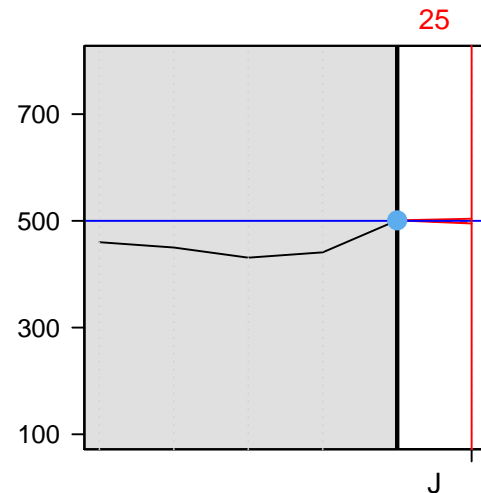
Let's see which release option our volunteer will choose.



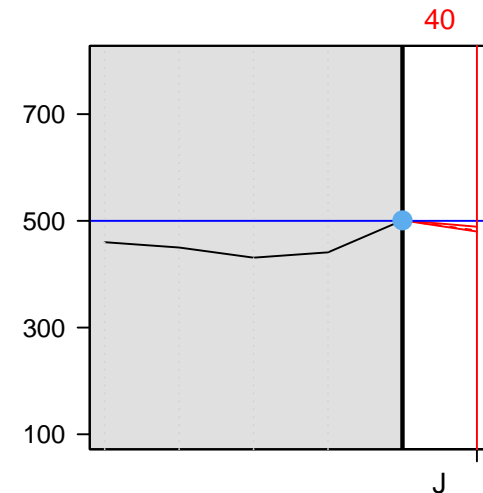
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$501 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

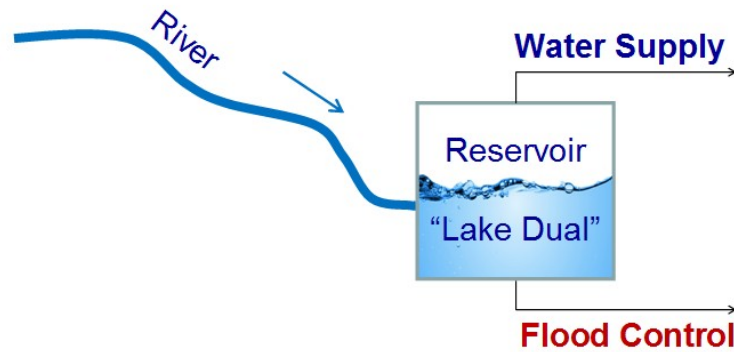
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



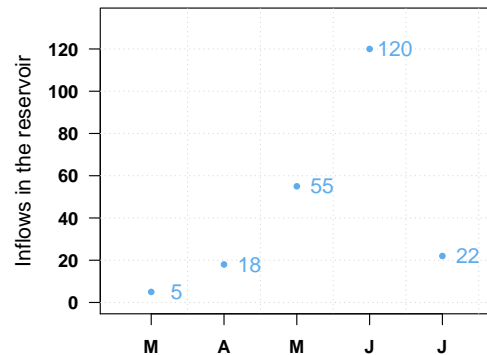
Swof Town



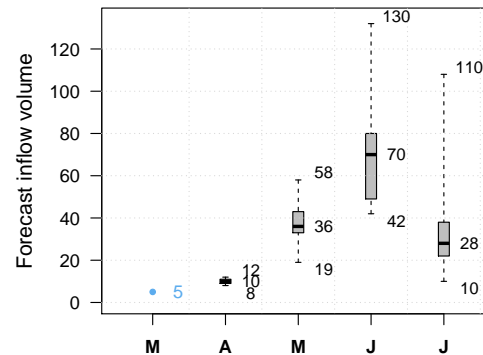
Safe Town



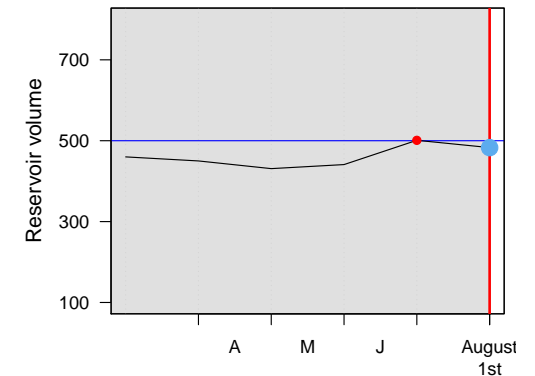
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

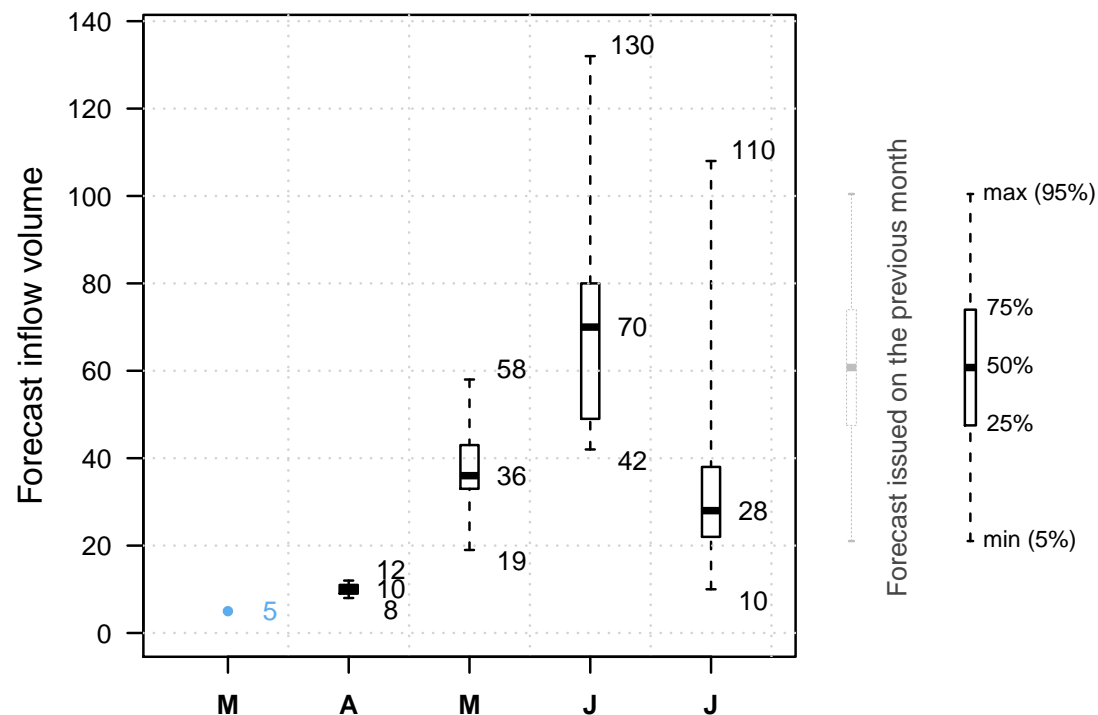


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

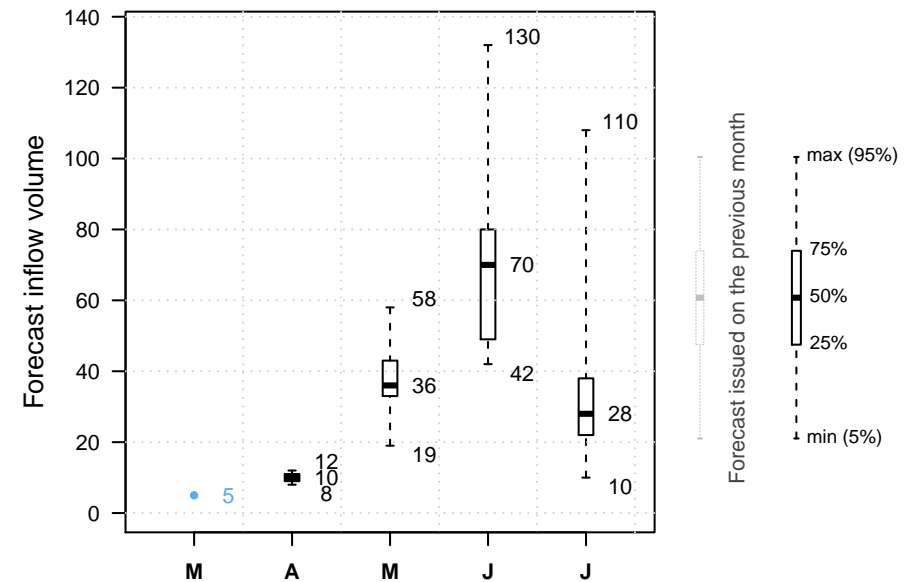




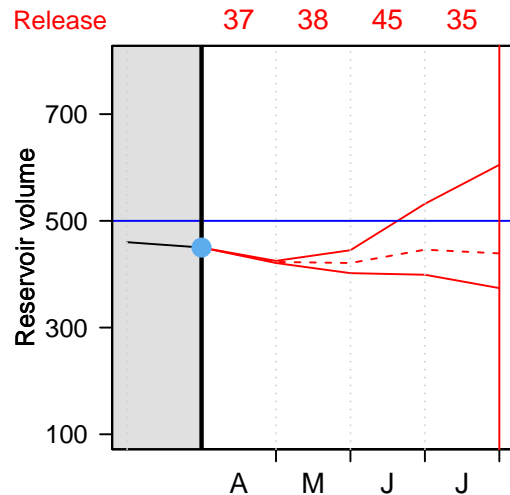
It is April 1st.

And our volunteer?

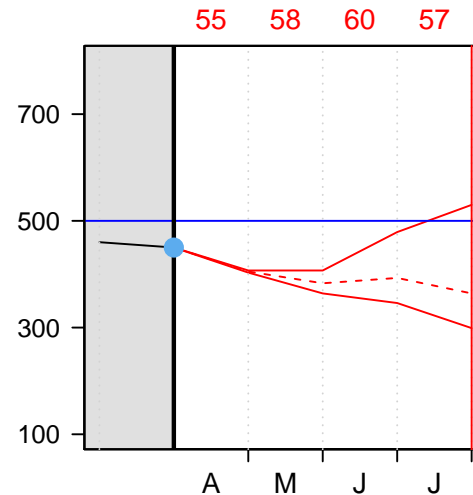
Let's see which release option our volunteer will choose.



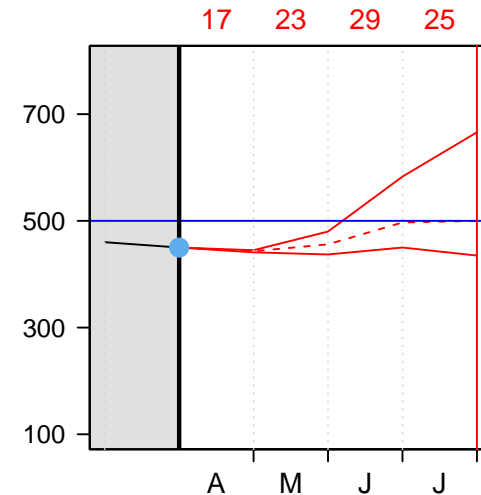
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

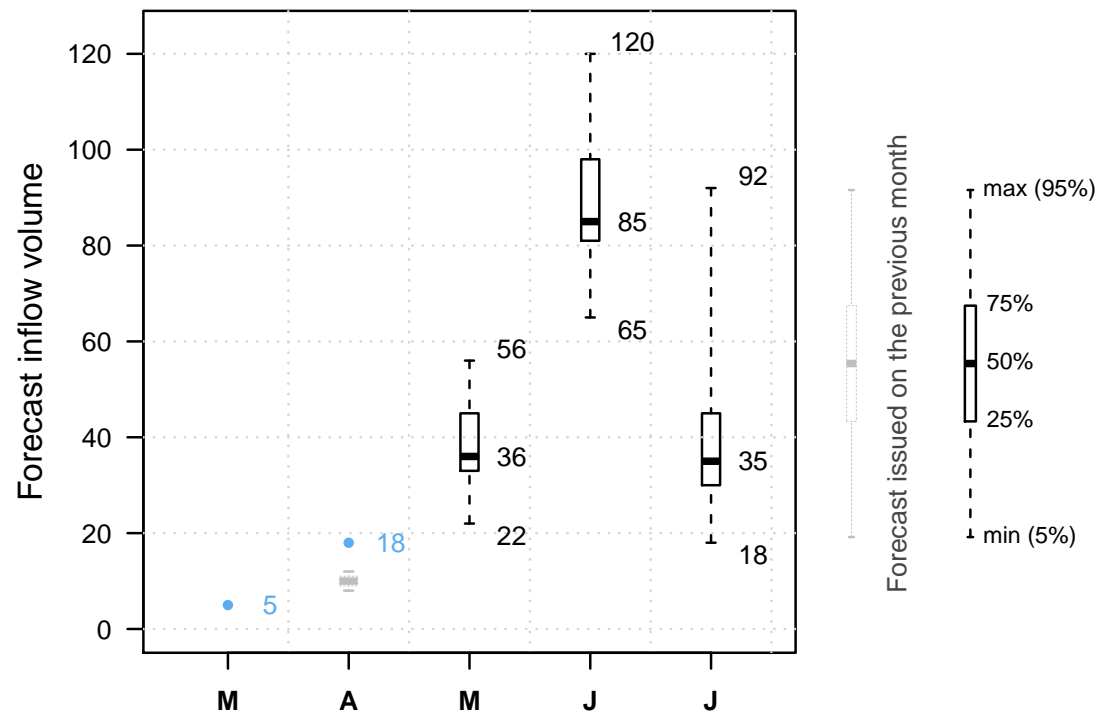


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

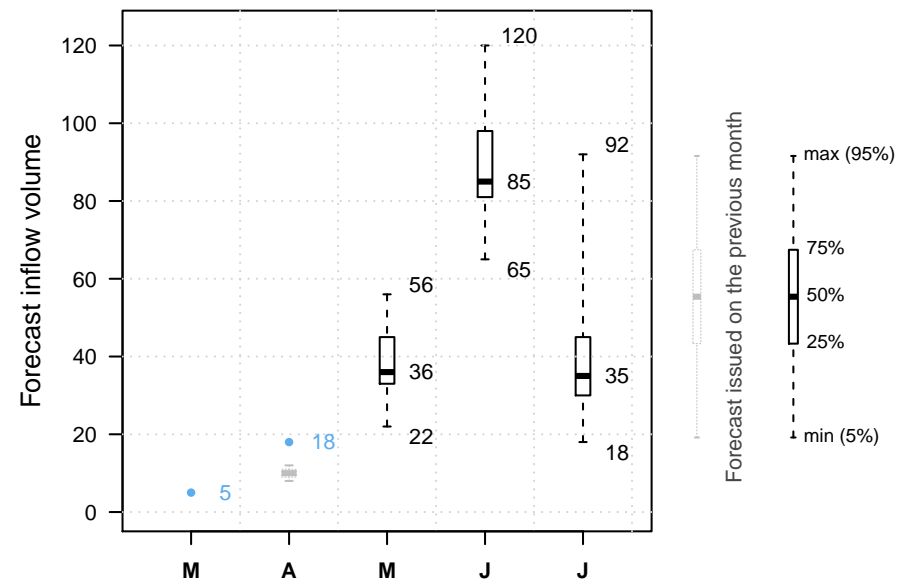
Previous decisions: B



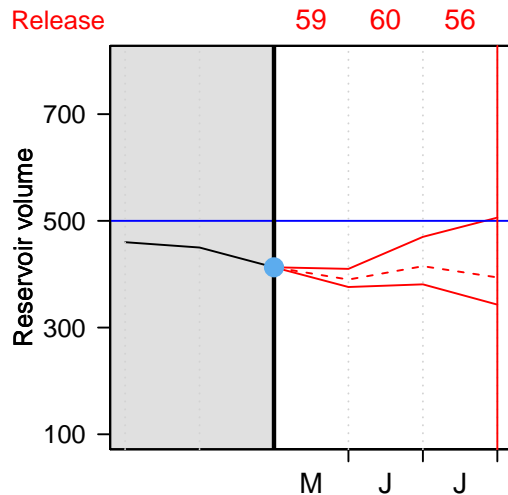
It is May 1st.

And our volunteer?

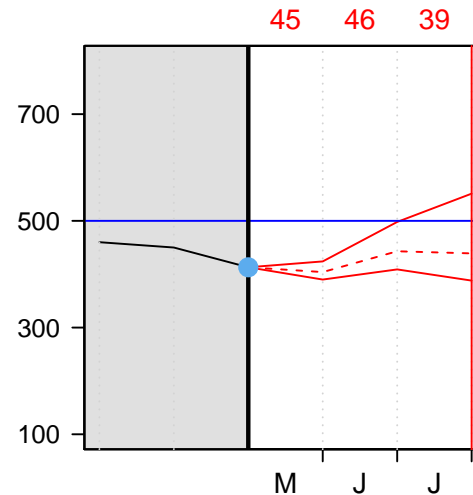
Let's see which release option our volunteer will choose.



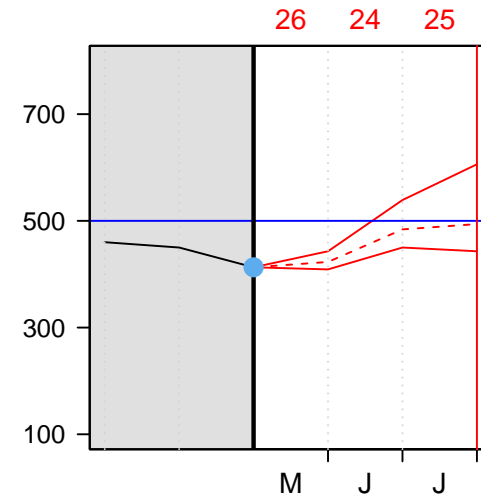
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

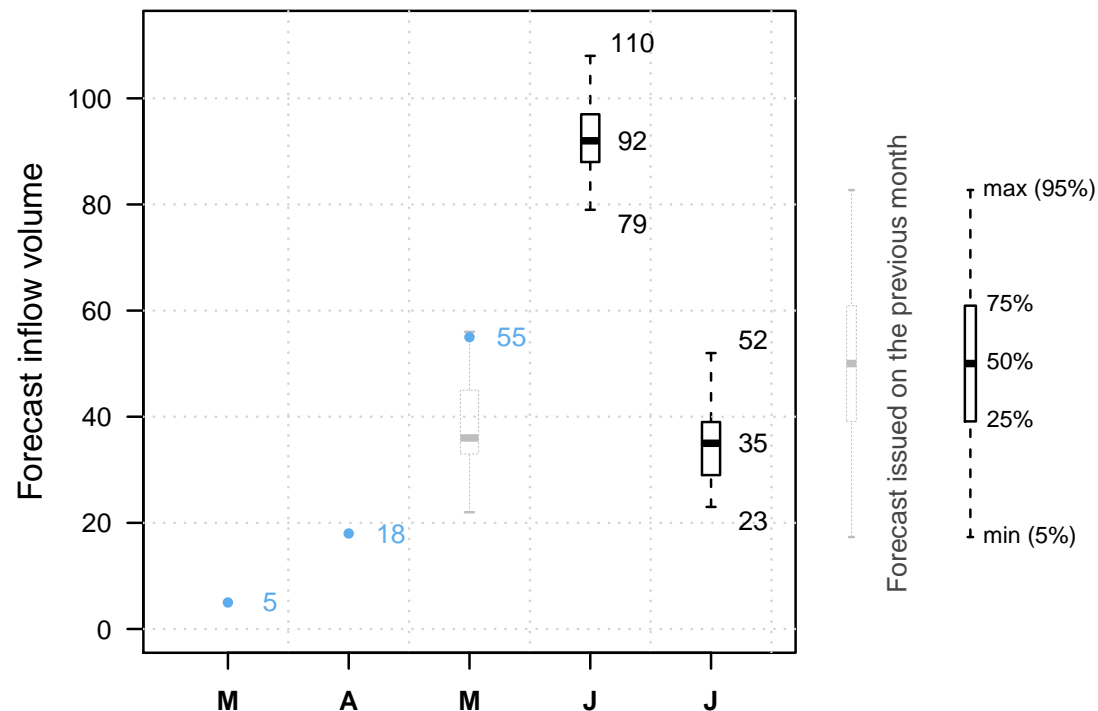


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



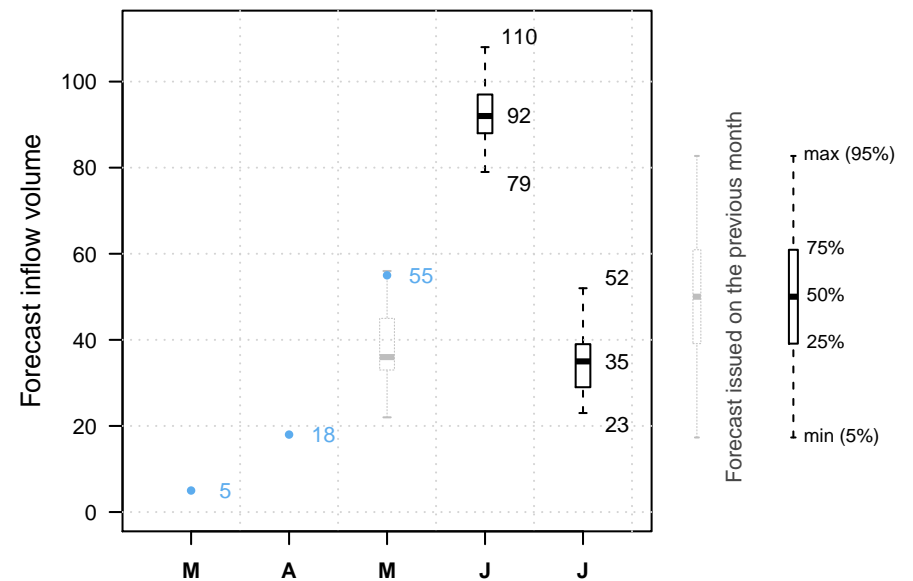
Previous decisions: B B



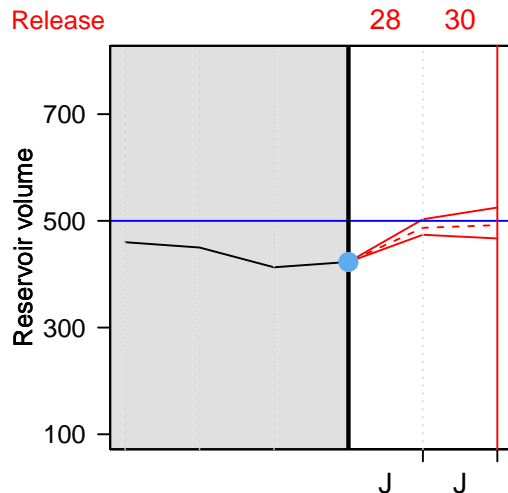
It is June 1st.

And our volunteer?

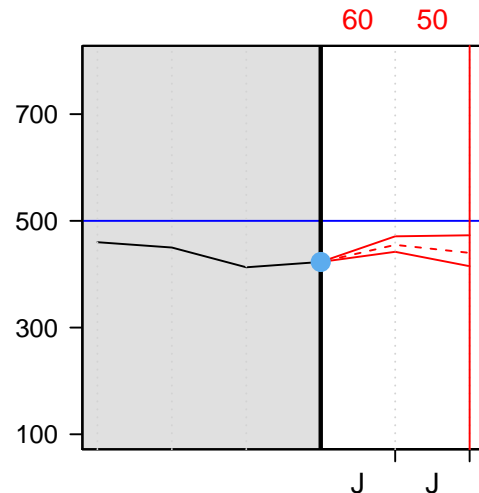
Let's see which release option our volunteer will choose.



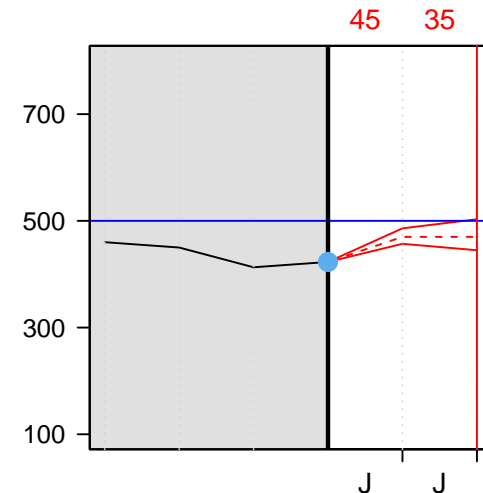
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 483 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

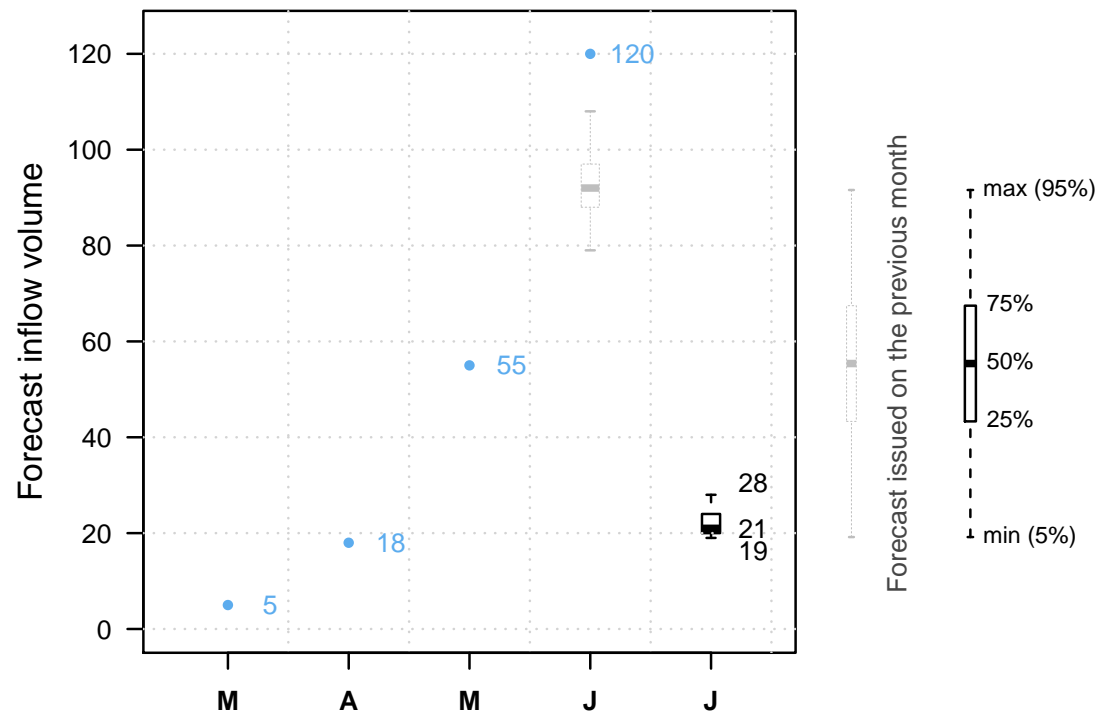


It is July 1st.

The reservoir is at 483  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

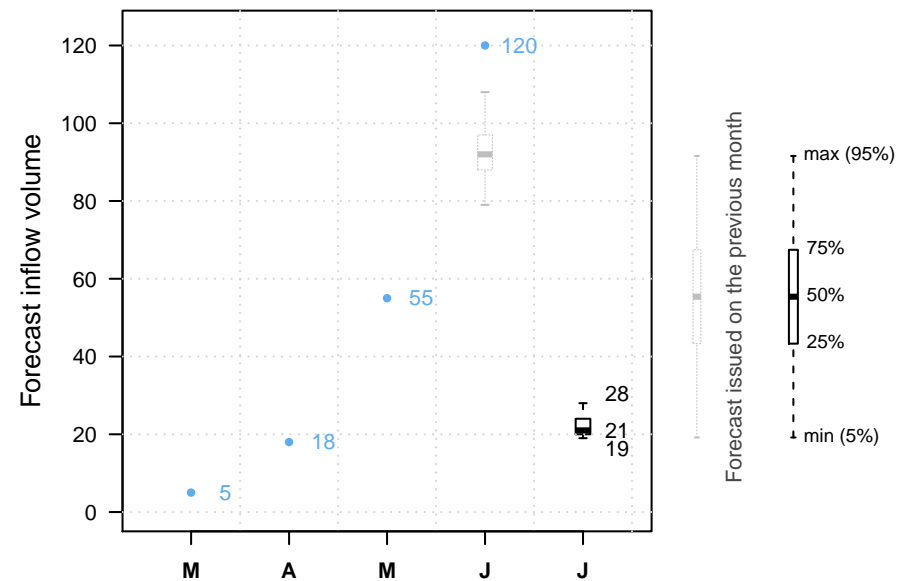
Previous decisions: B B B



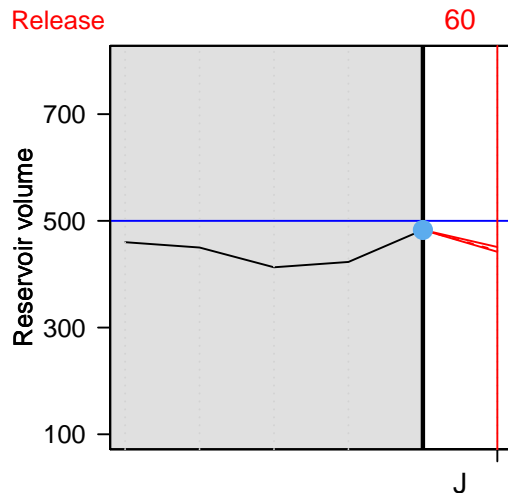
It is July 1st.

And our volunteer?

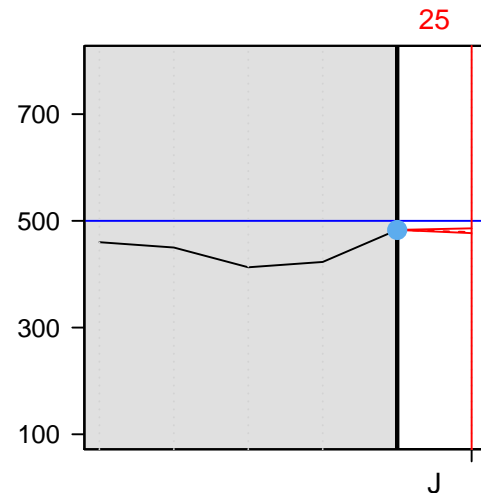
Let's see which release option our volunteer will choose.



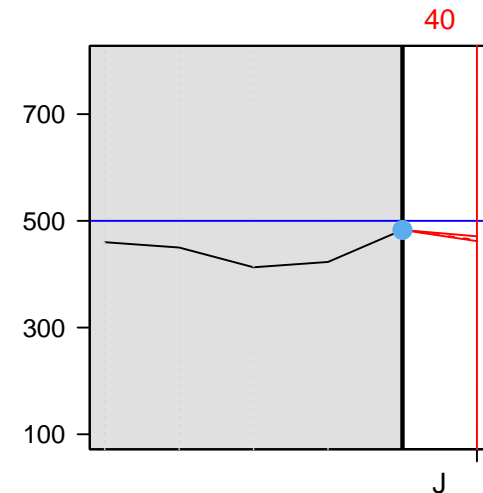
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$483 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 465 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

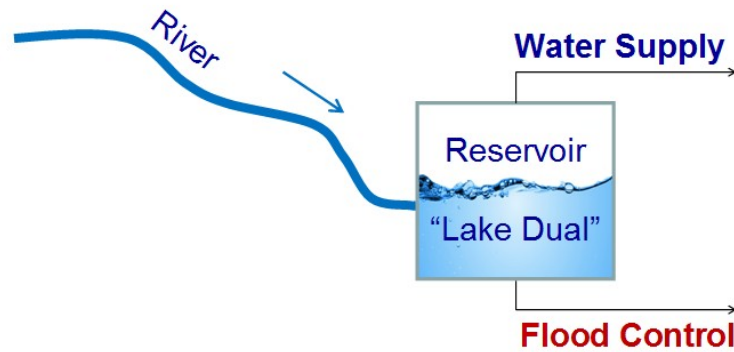
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



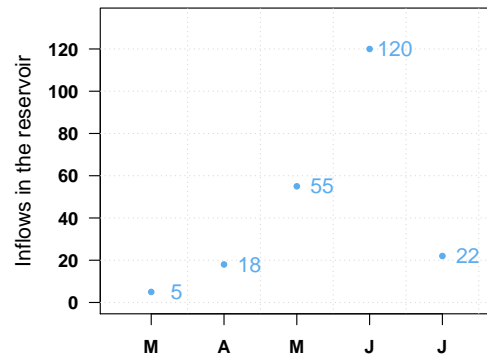
Swof Town



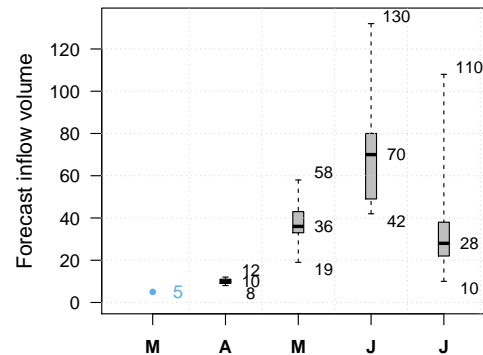
Safe Town



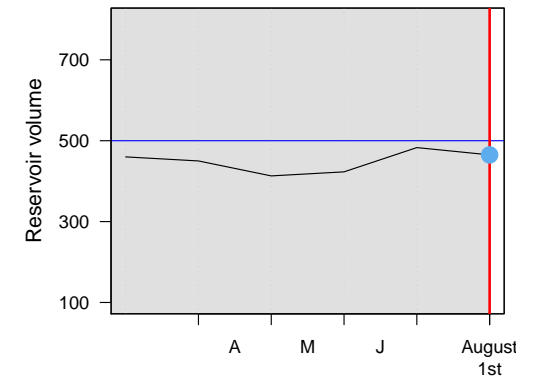
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



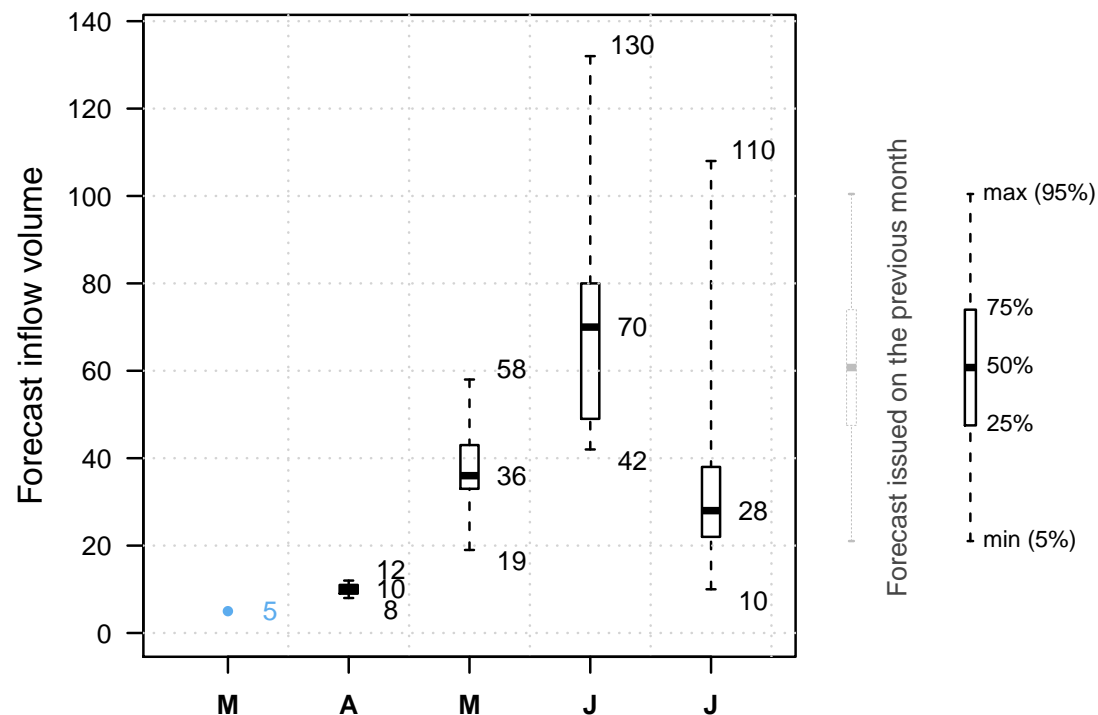


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

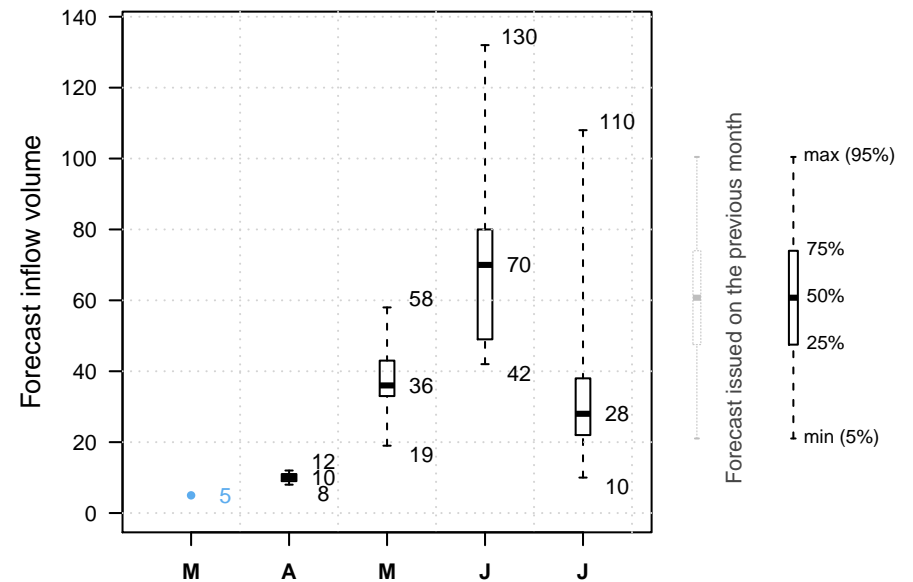
**NEXT**



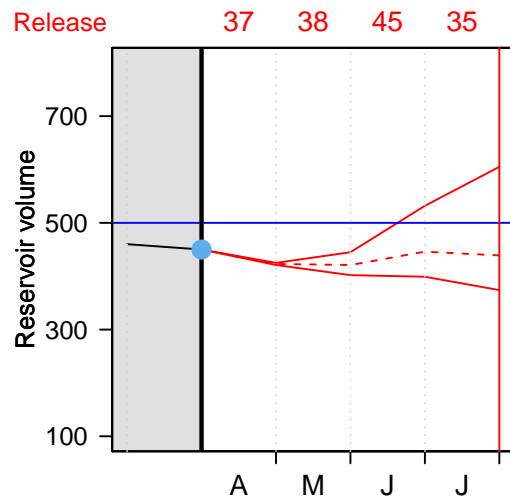
It is April 1st.

And our volunteer?

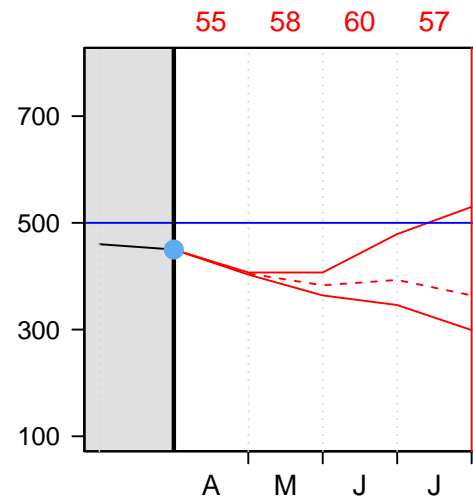
Let's see which release option our volunteer will choose.



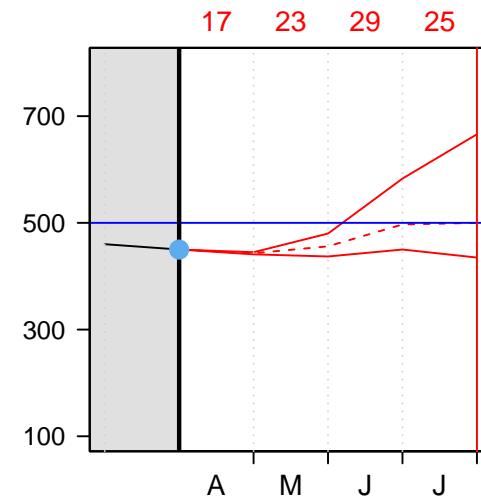
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

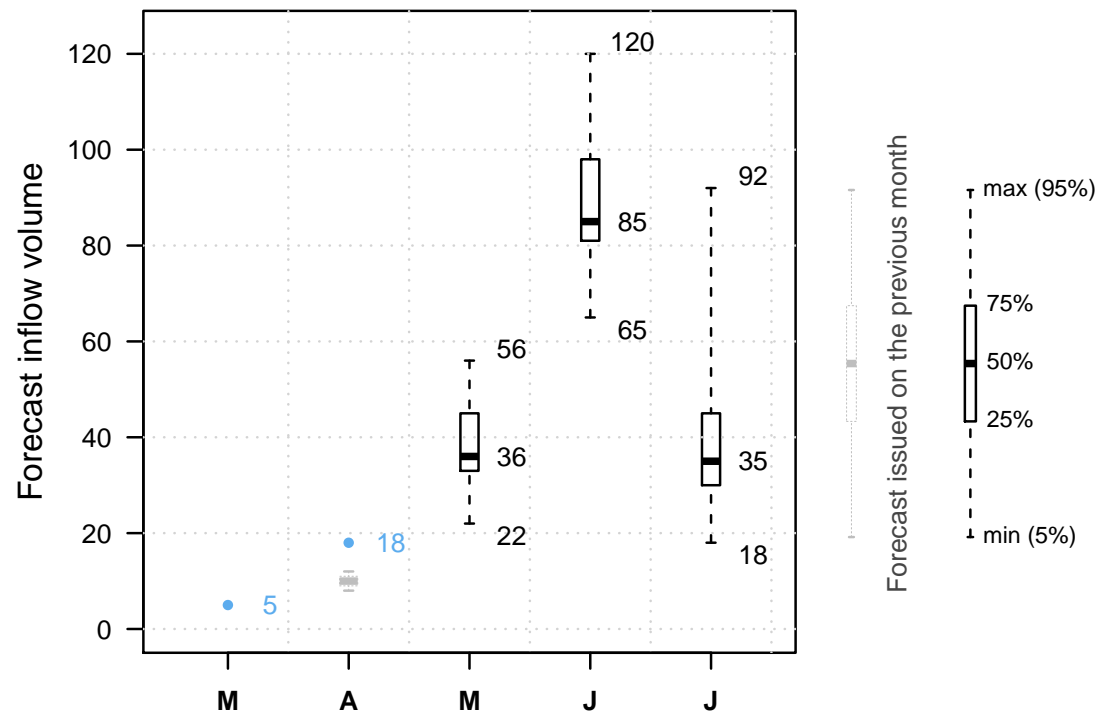


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

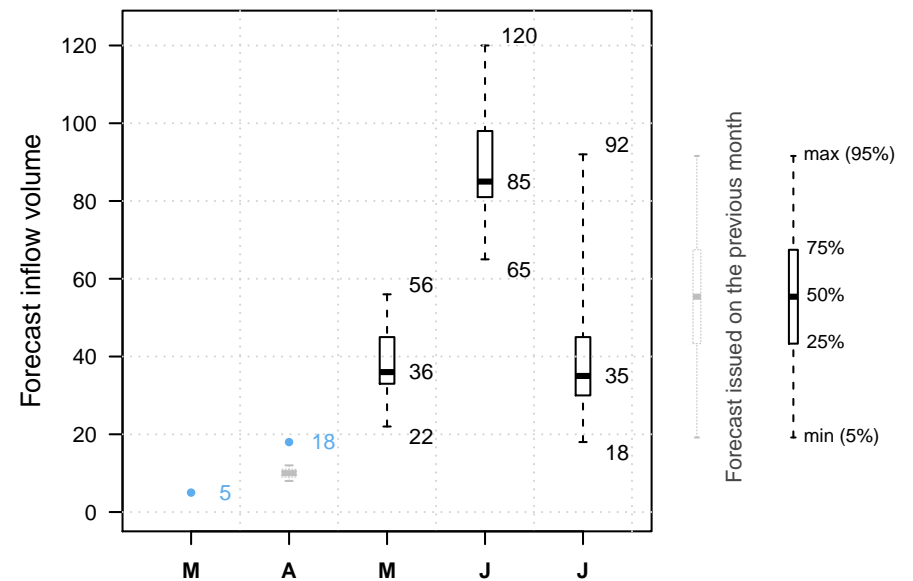
Previous decisions: C



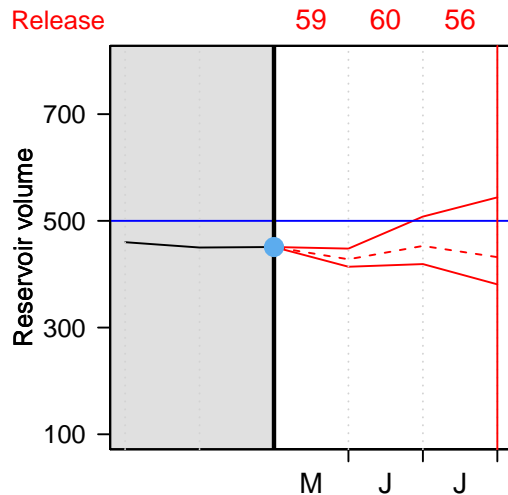
It is May 1st.

And our volunteer?

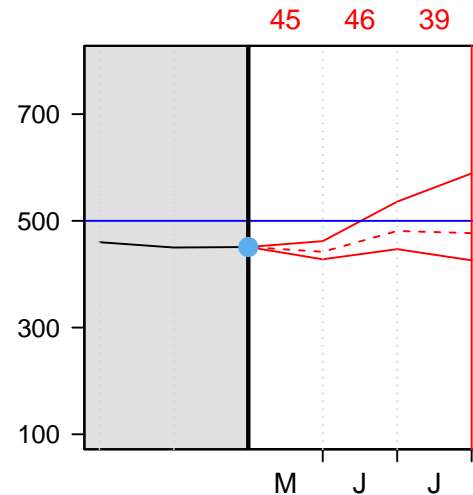
Let's see which release option our volunteer will choose.



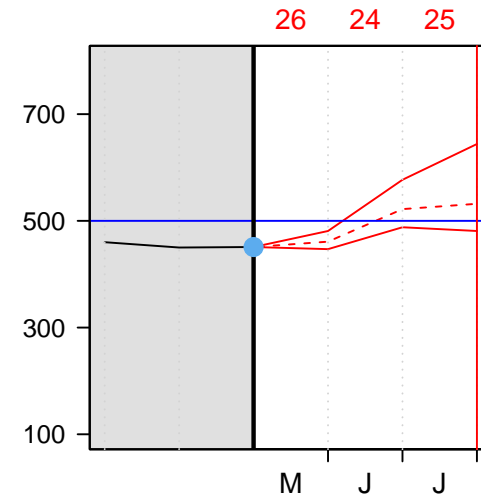
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



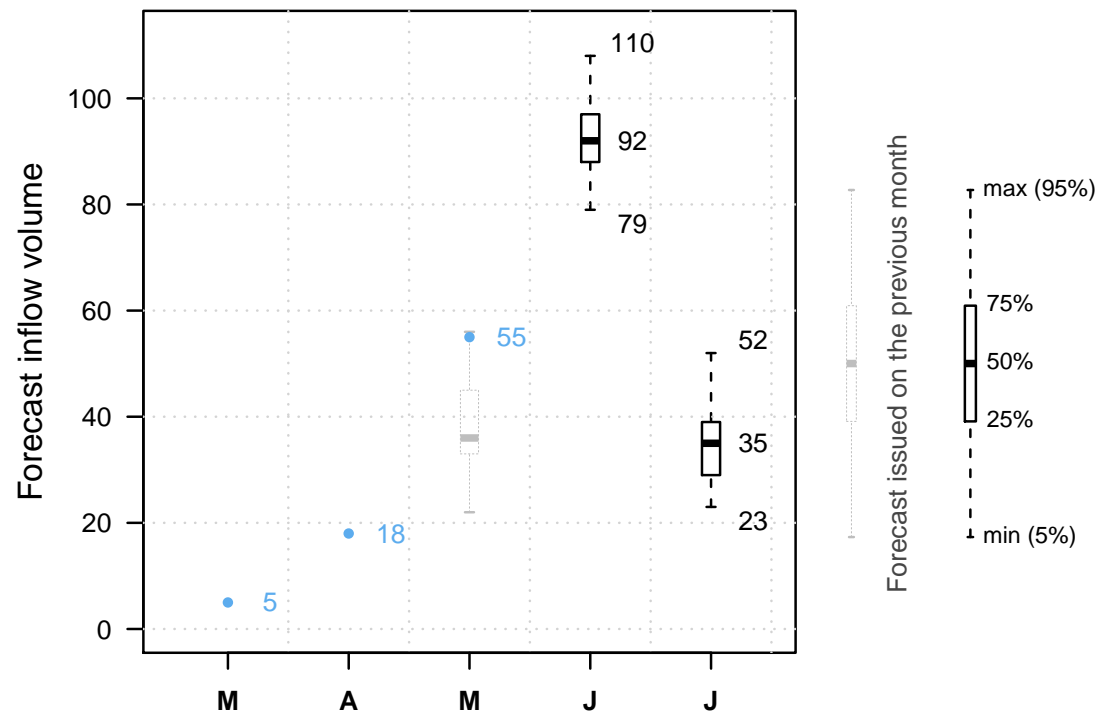


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

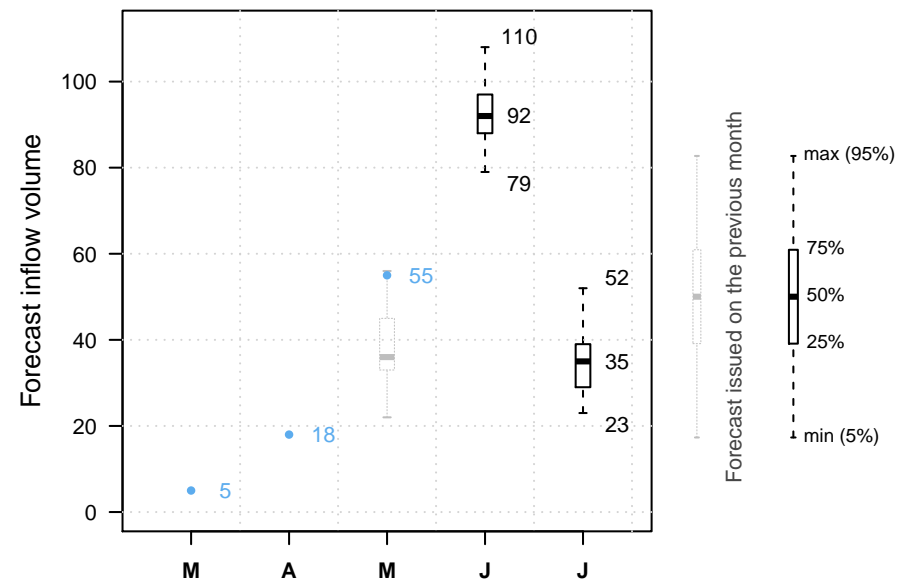
Previous decisions: C B



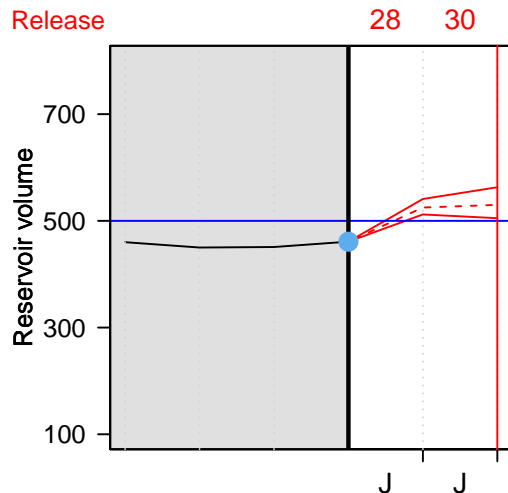
It is June 1st.

And our volunteer?

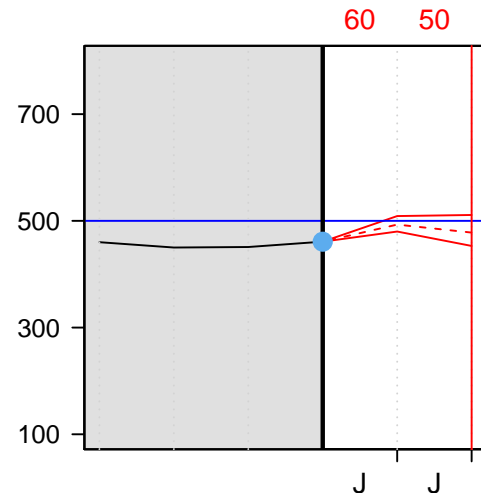
Let's see which release option our volunteer will choose.



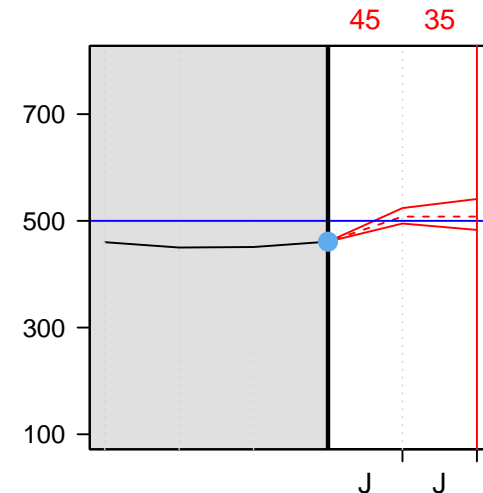
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 521 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

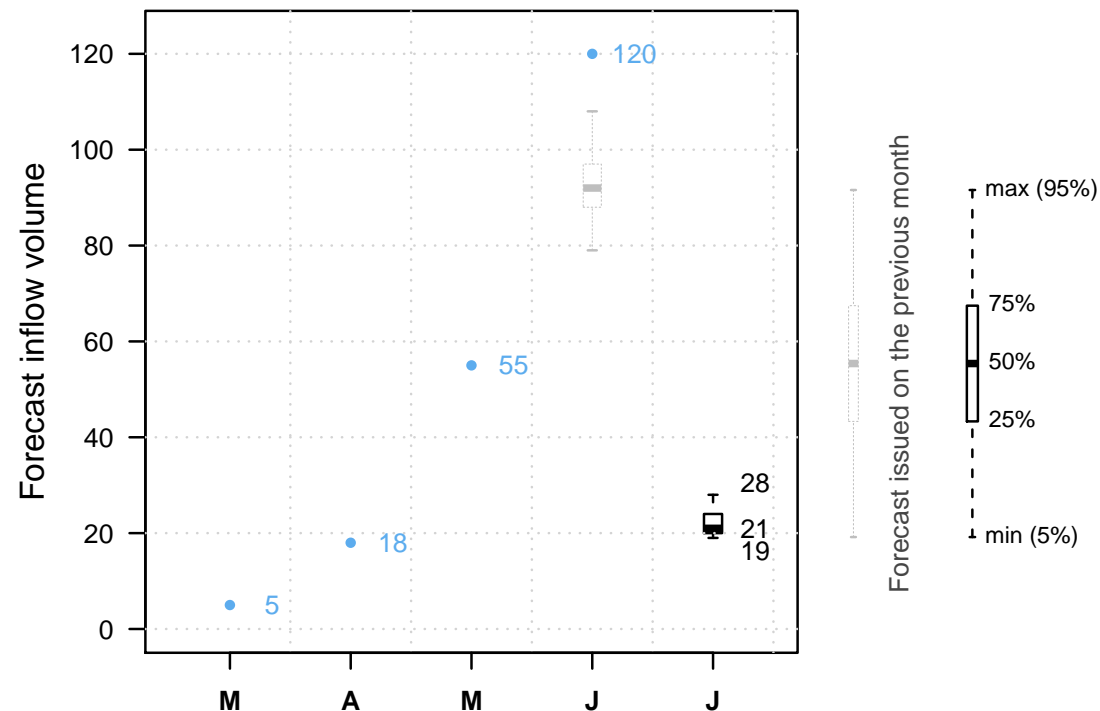


It is July 1st.

The reservoir is at 521  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

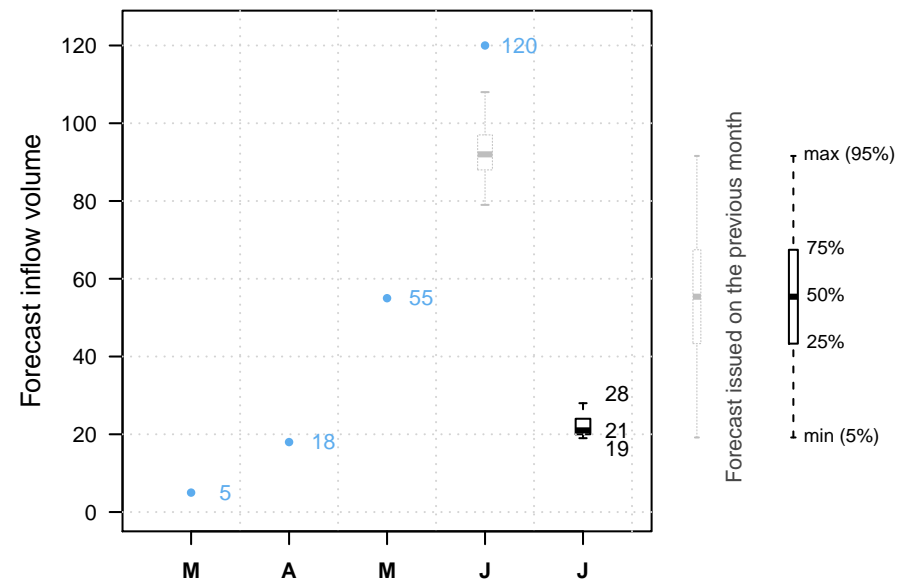
Previous decisions: C B B



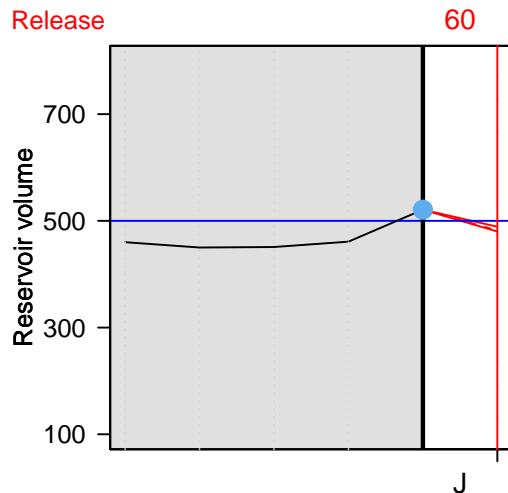
It is July 1st.

And our volunteer?

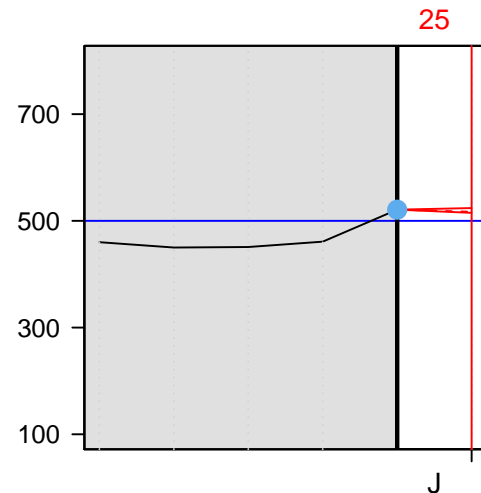
Let's see which release option our volunteer will choose.



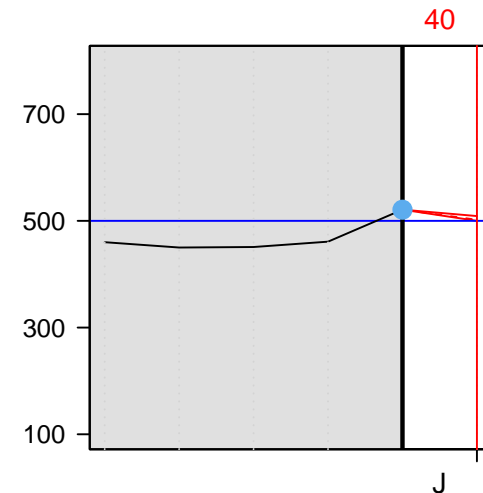
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$521 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 503 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

NEXT

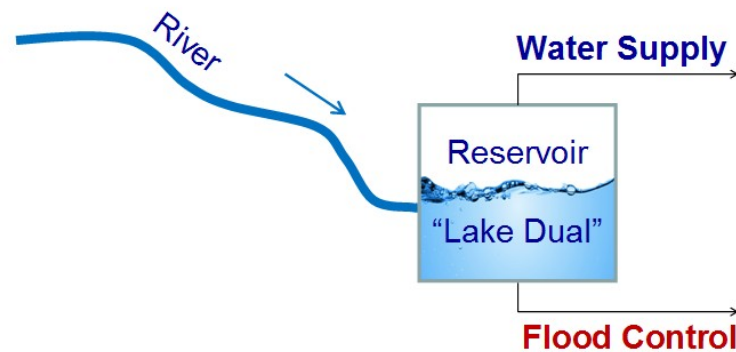
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



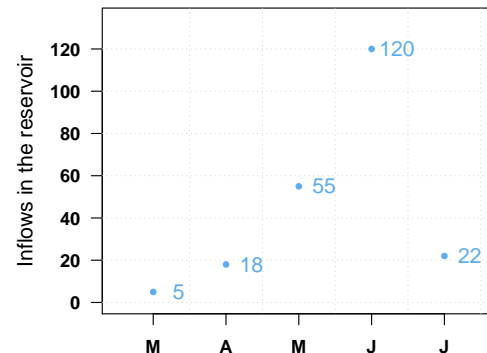
Swof Town



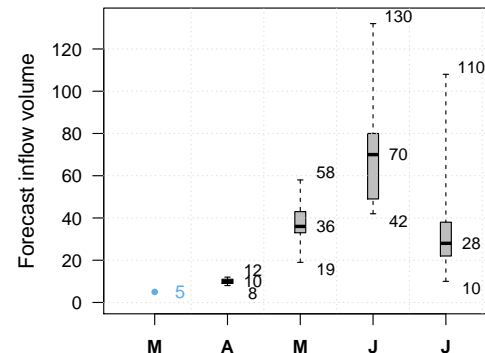
Safe Town



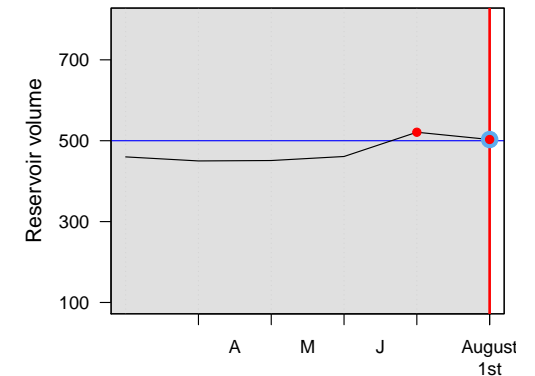
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

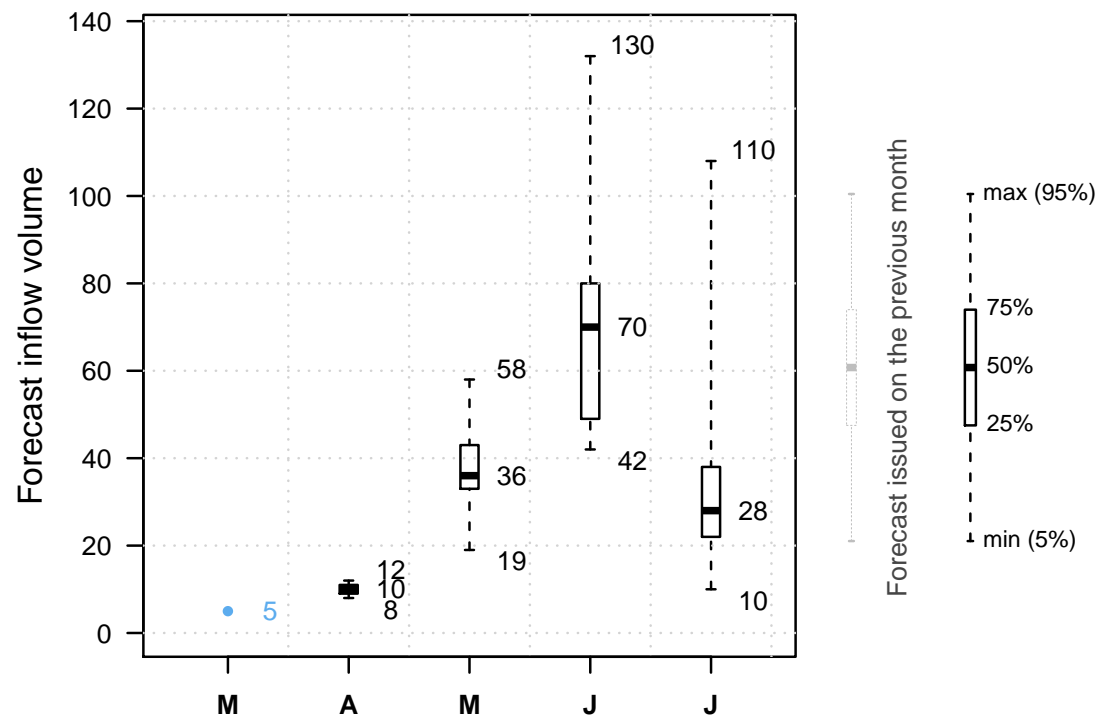


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

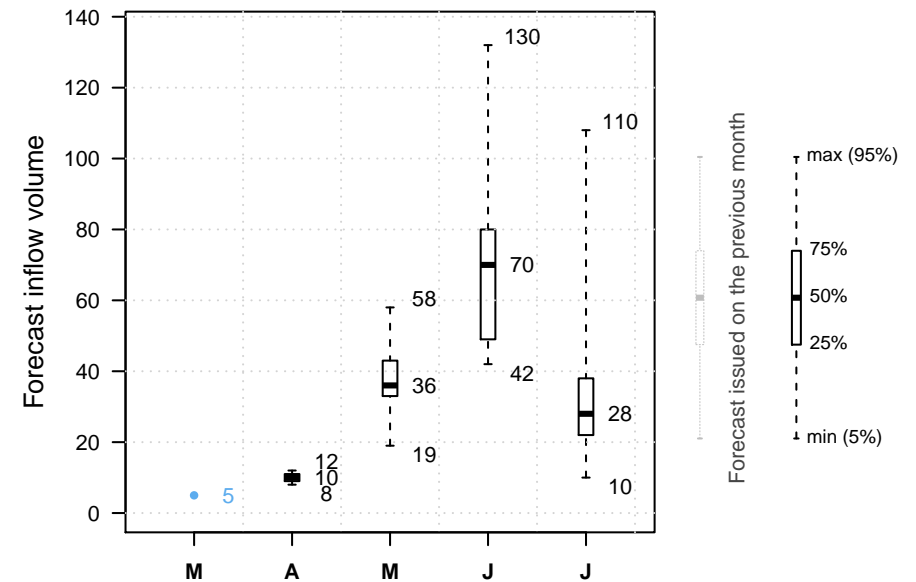
NEXT



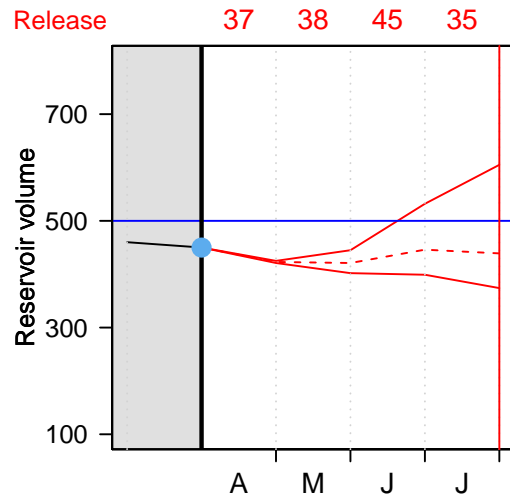
It is April 1st.

And our volunteer?

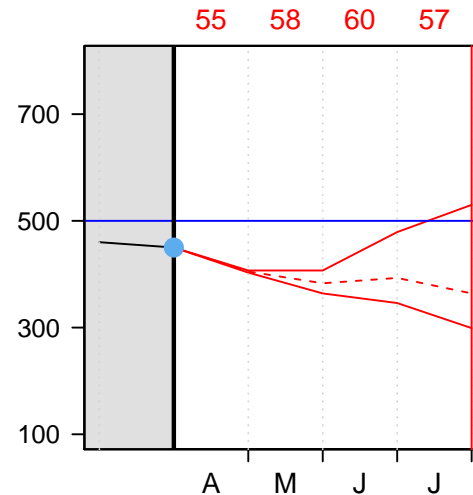
Let's see which release option our volunteer will choose.



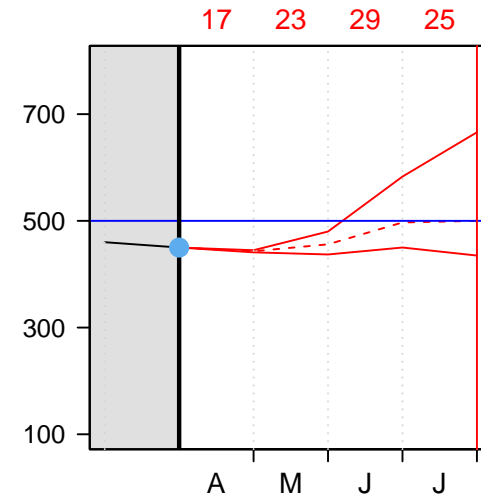
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

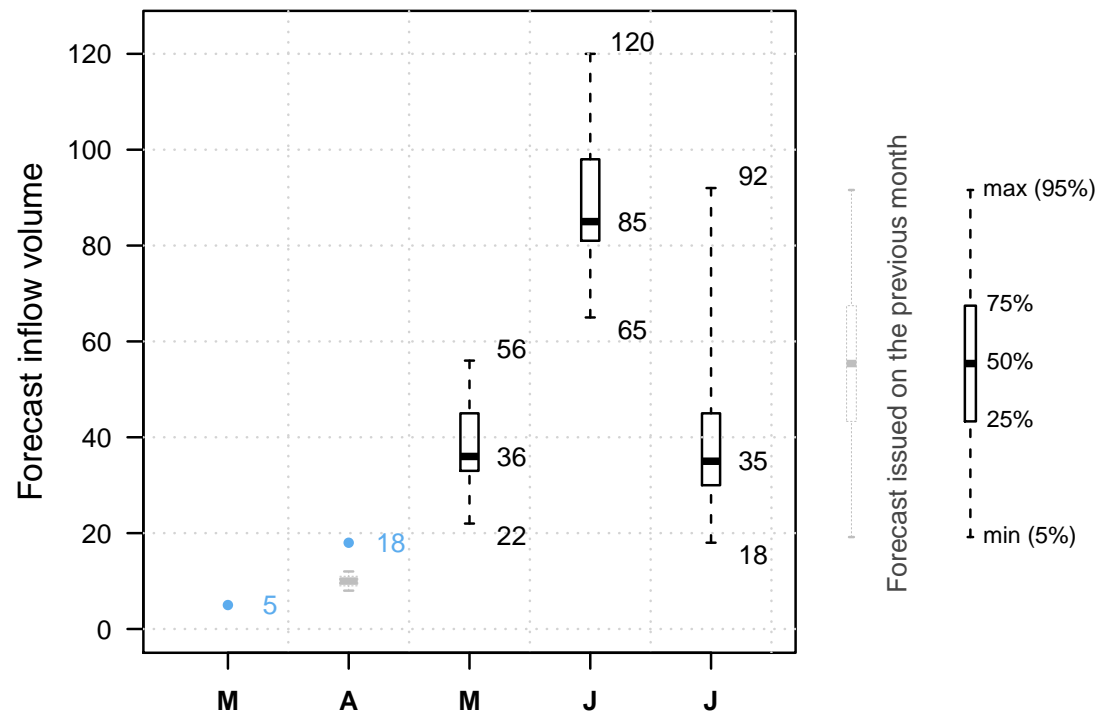


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

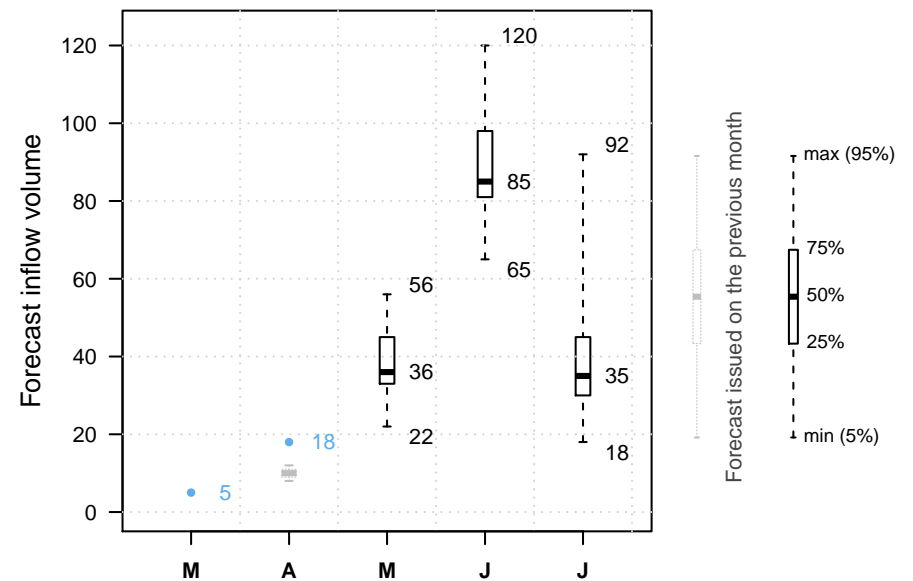
Previous decisions: A



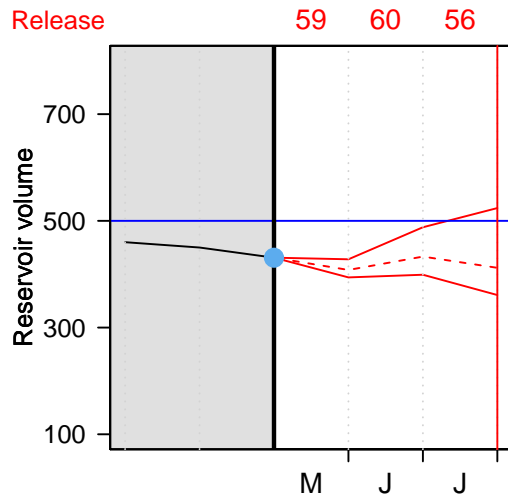
It is May 1st.

And our volunteer?

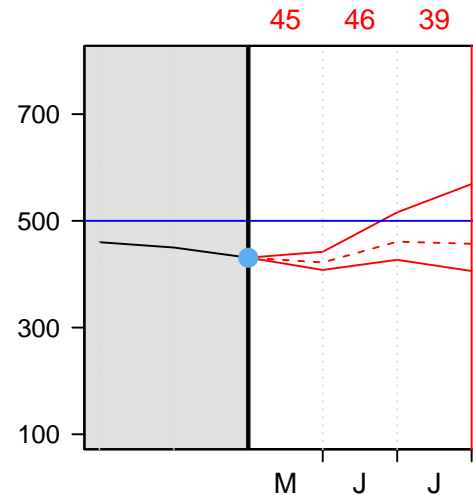
Let's see which release option our volunteer will choose.



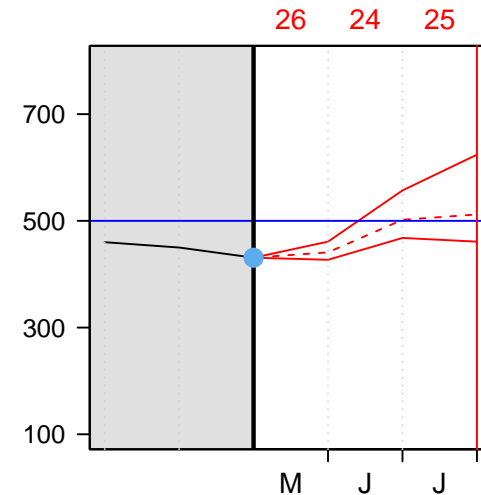
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

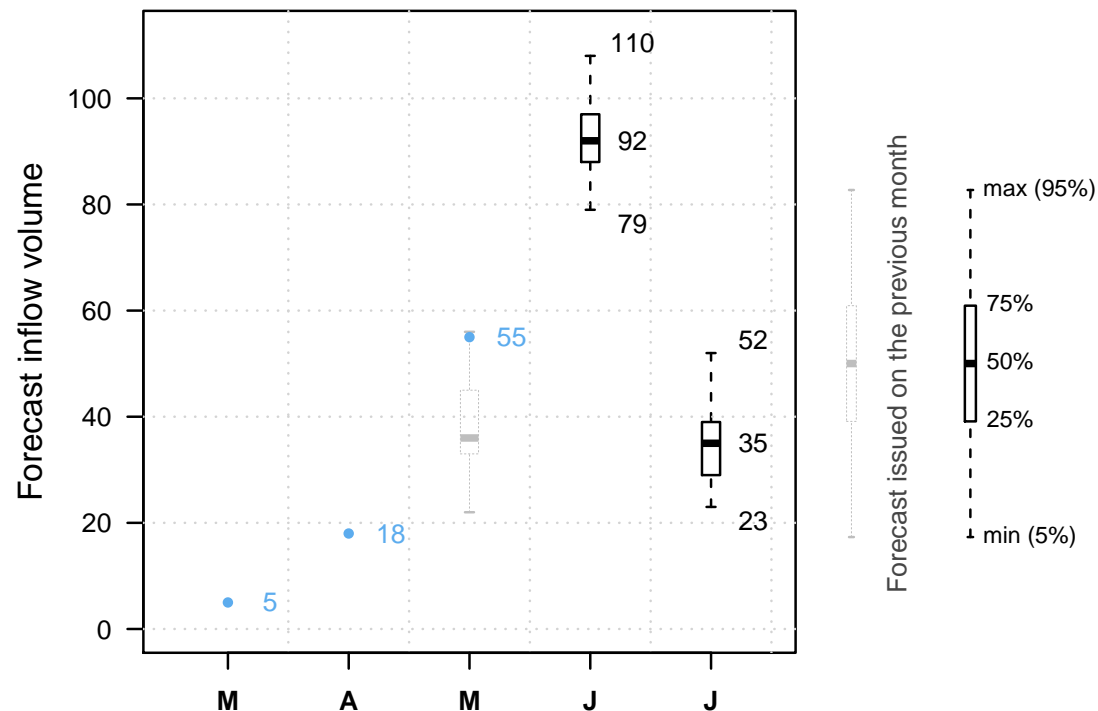


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT

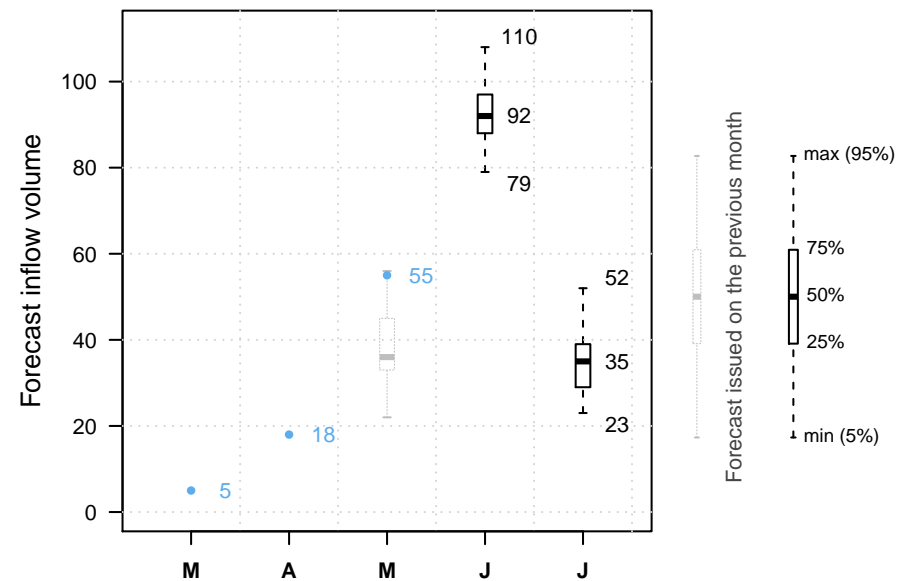
Previous decisions: A C



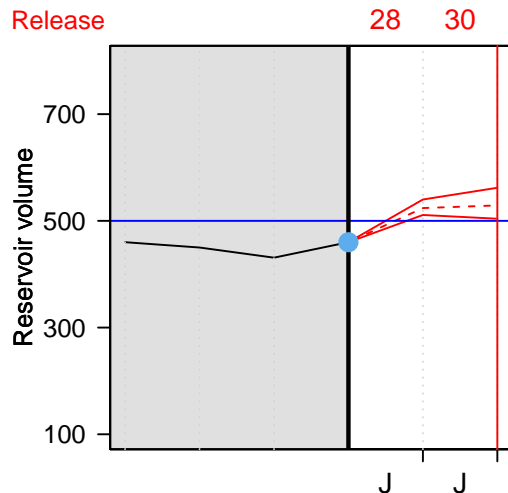
It is June 1st.

And our volunteer?

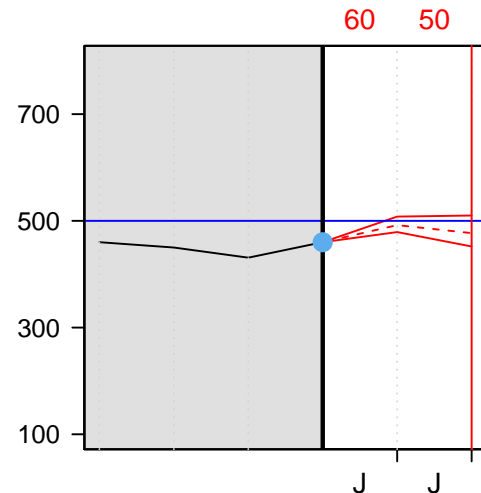
Let's see which release option our volunteer will choose.



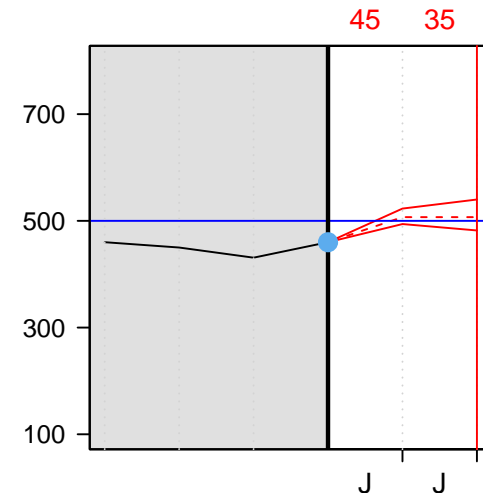
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 520 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

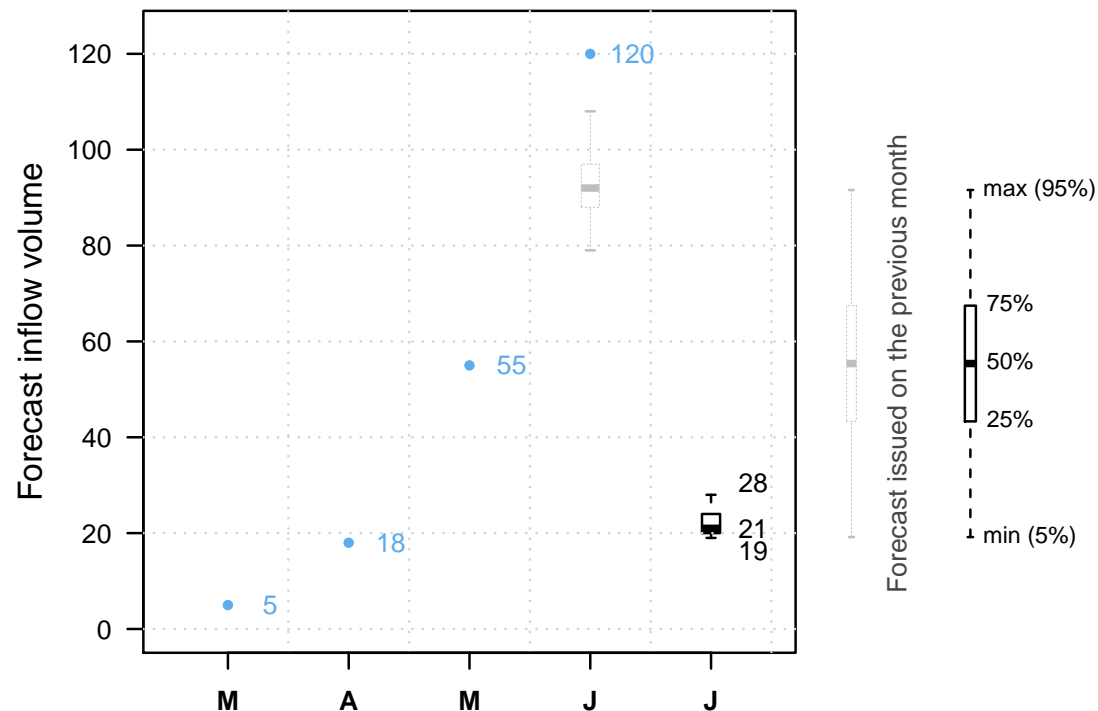


It is July 1st.

The reservoir is at  $520 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

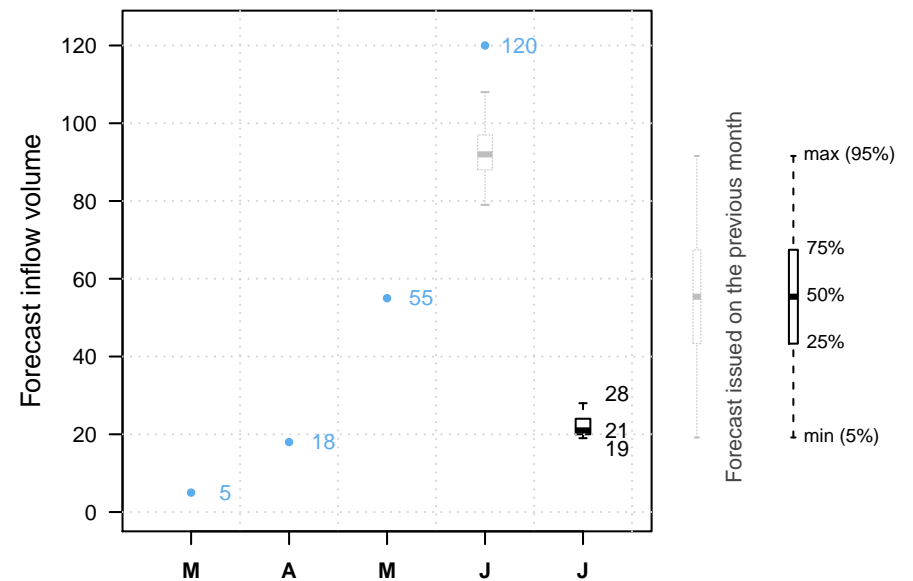
Previous decisions: A C B



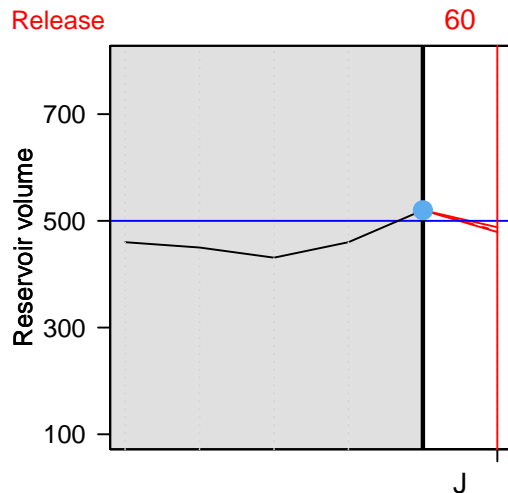
It is July 1st.

And our volunteer?

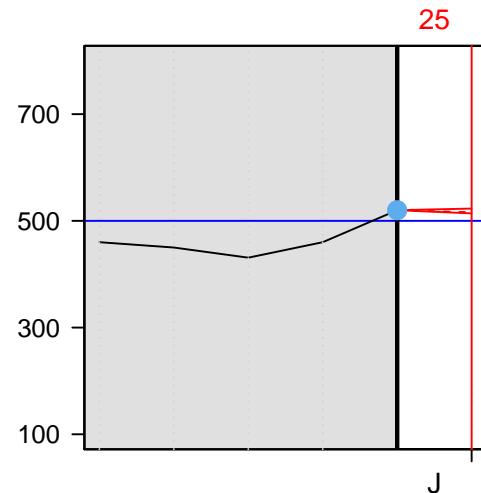
Let's see which release option our volunteer will choose.



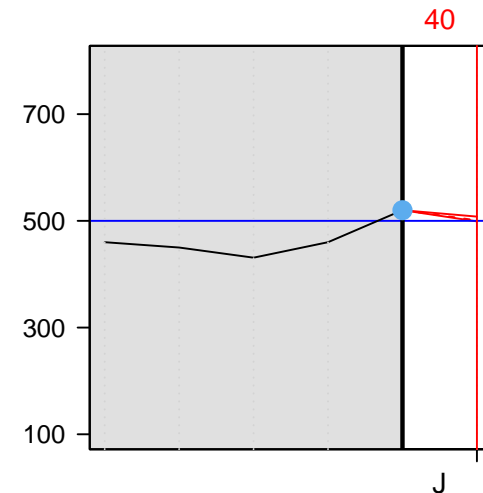
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$520 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

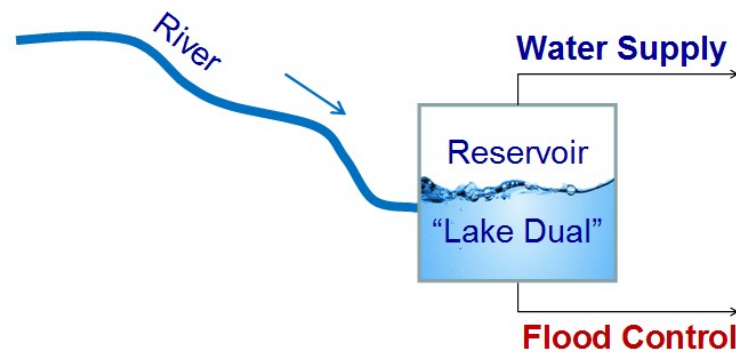
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



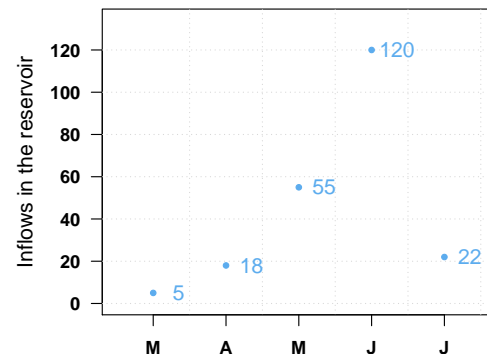
Swof Town



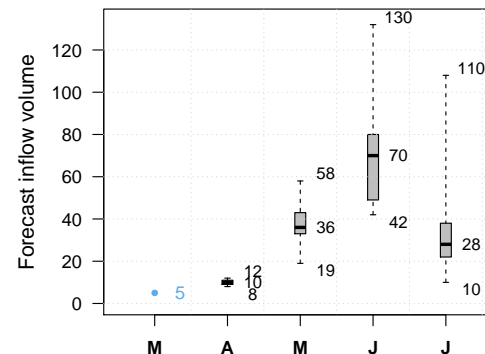
Safe Town



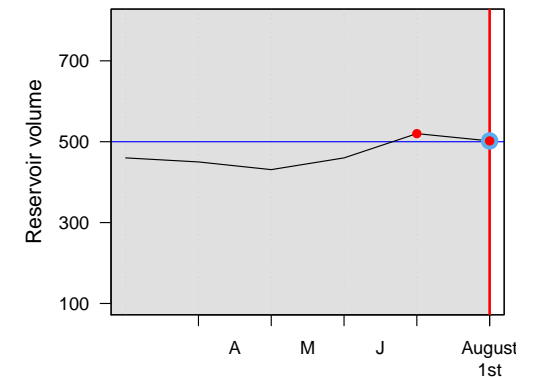
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

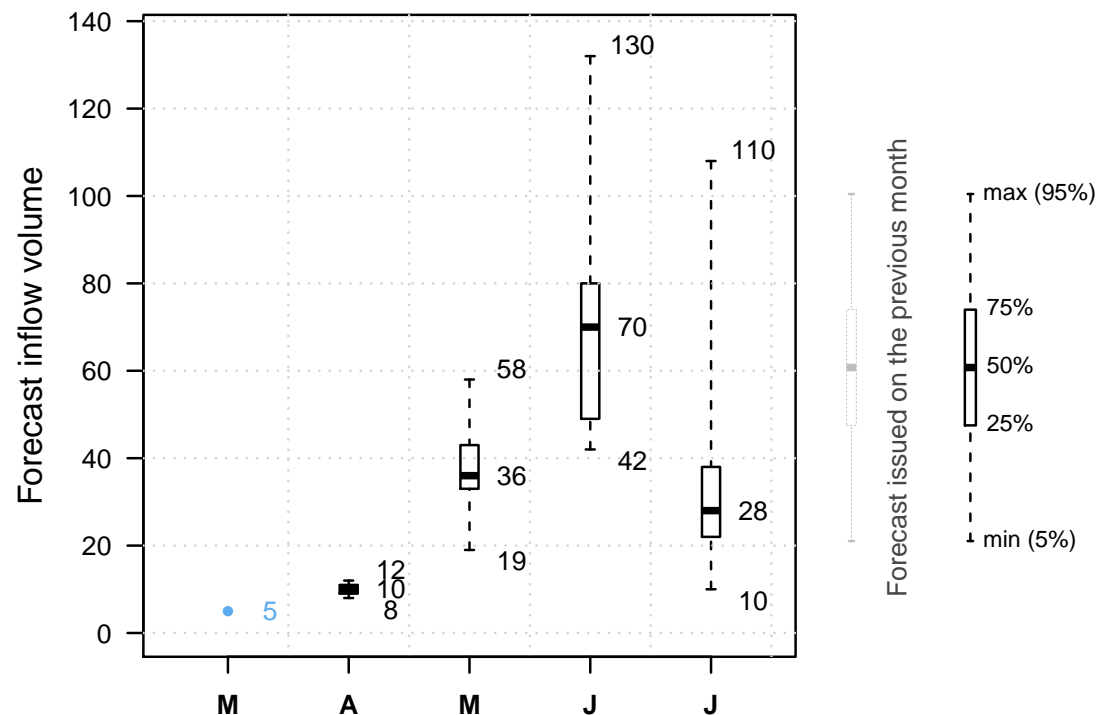


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

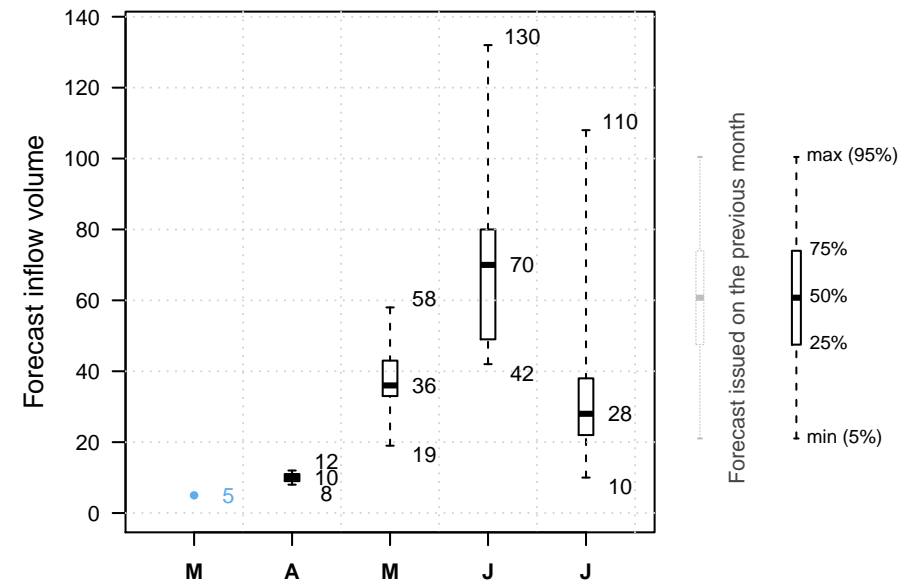
NEXT



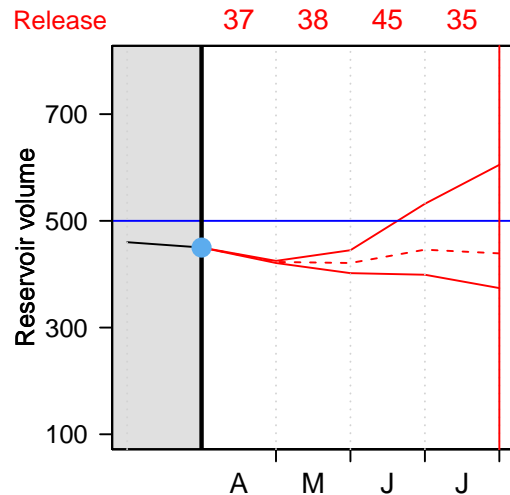
It is April 1st.

And our volunteer?

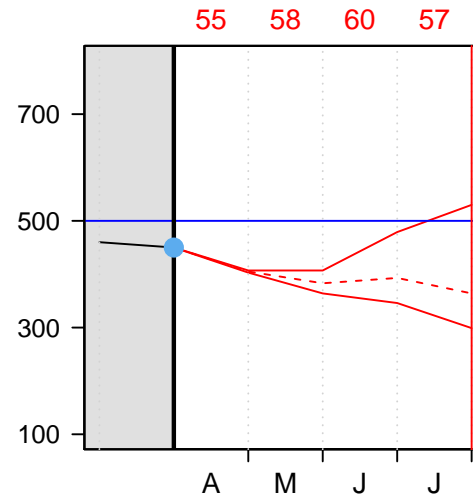
Let's see which release option our volunteer will choose.



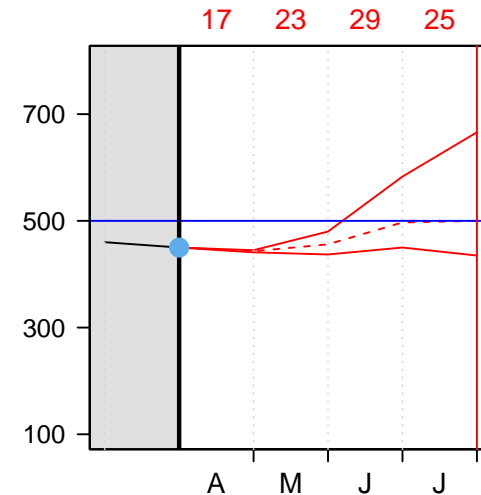
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

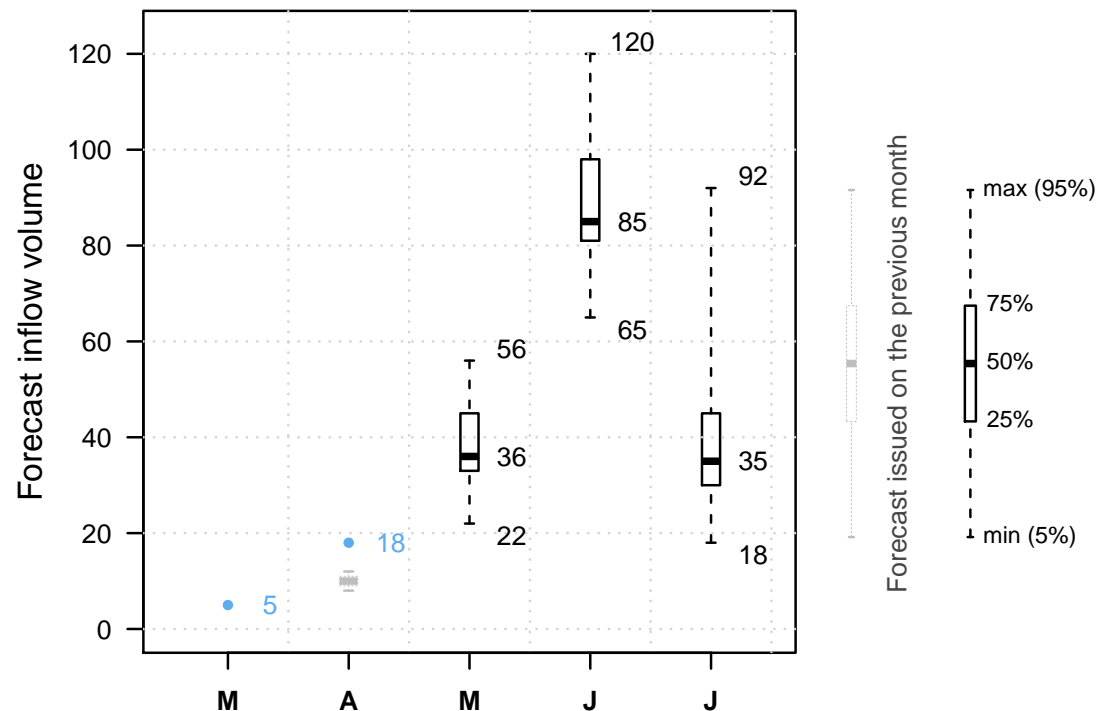


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

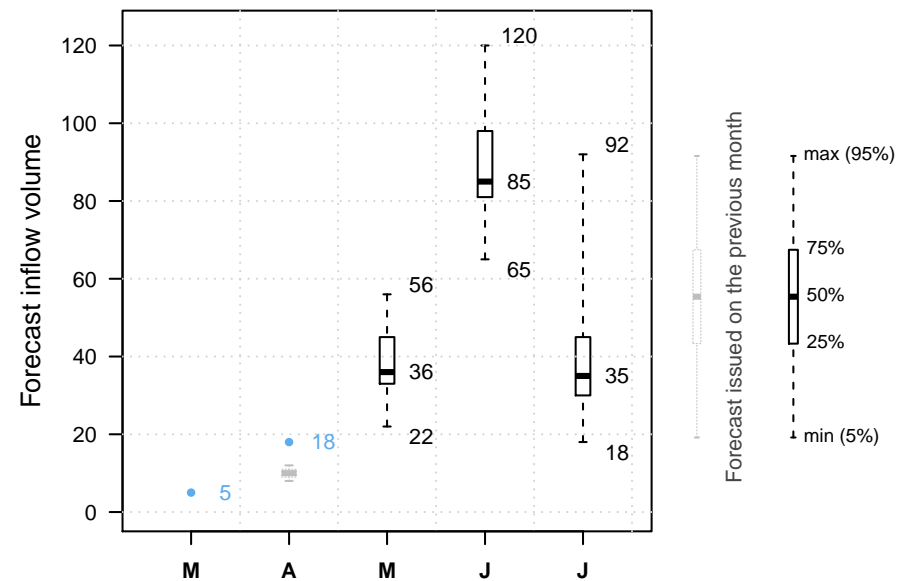
Previous decisions: B



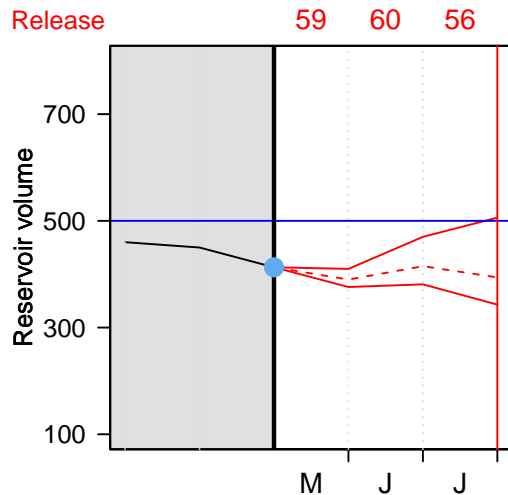
It is May 1st.

And our volunteer?

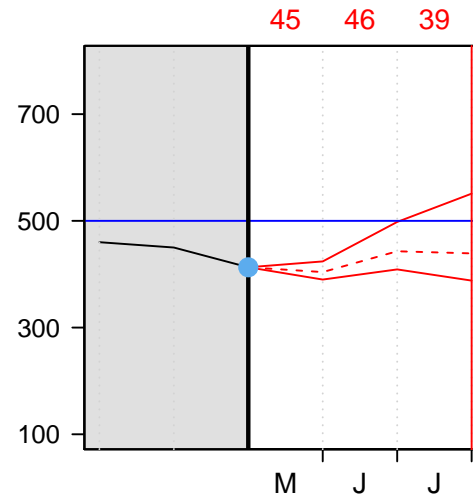
Let's see which release option our volunteer will choose.



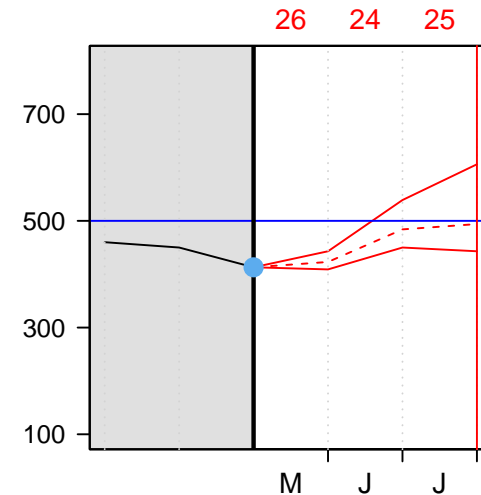
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

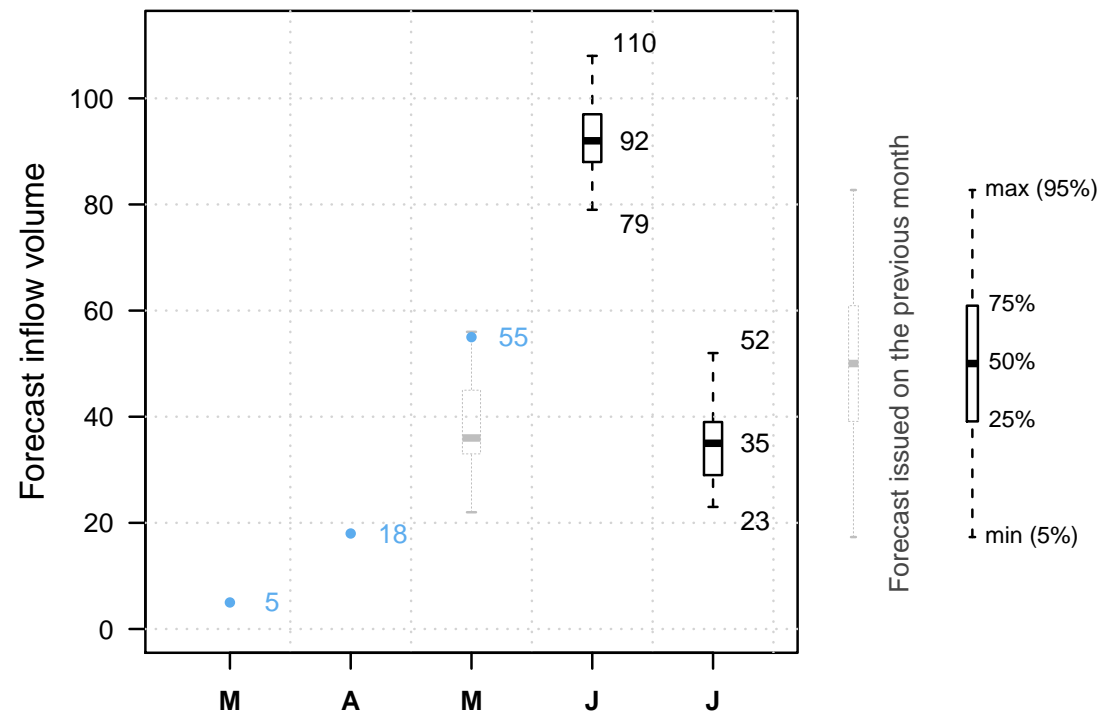


It is June 1st.

The reservoir is at  $442 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

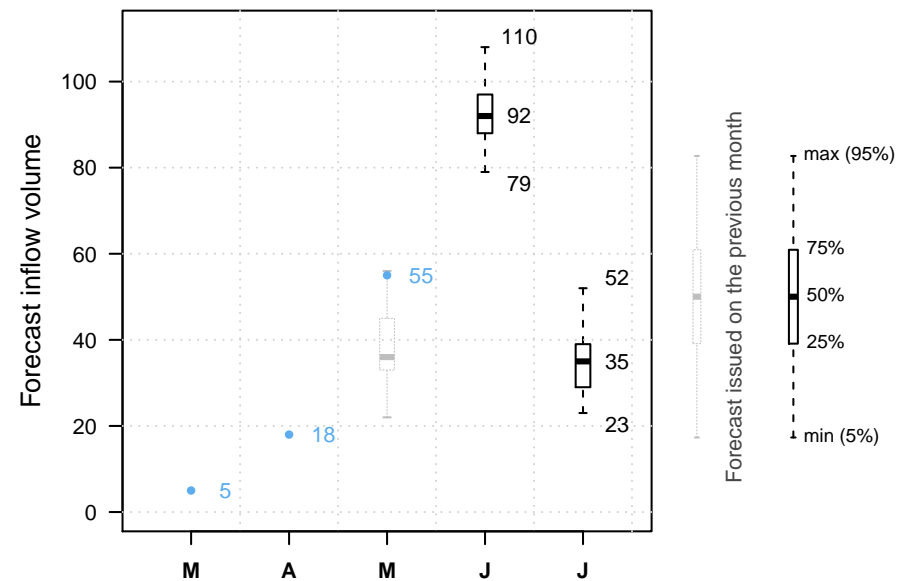
Previous decisions: B C



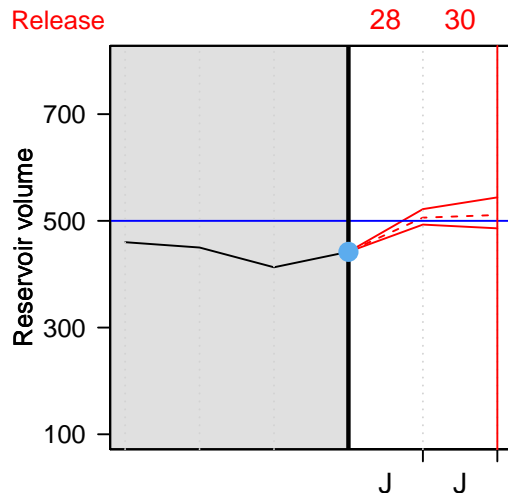
It is June 1st.

And our volunteer?

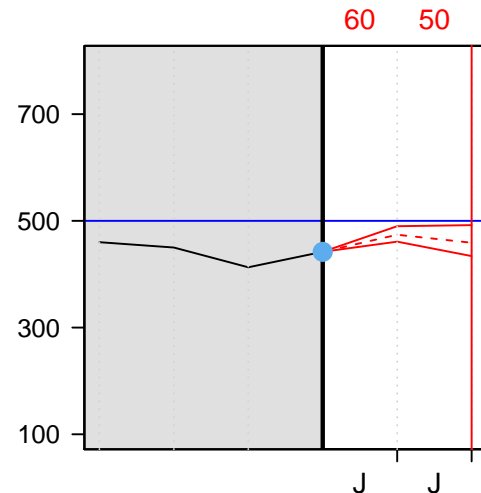
Let's see which release option our volunteer will choose.



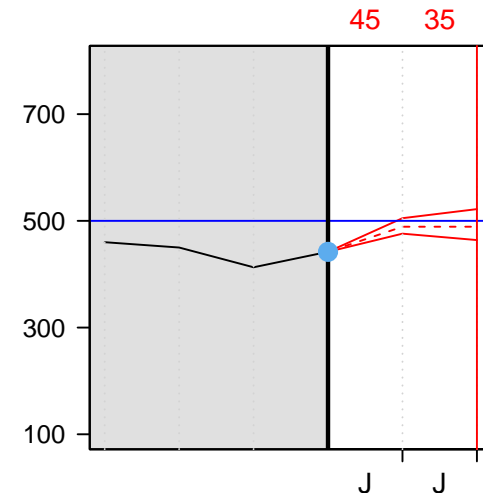
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

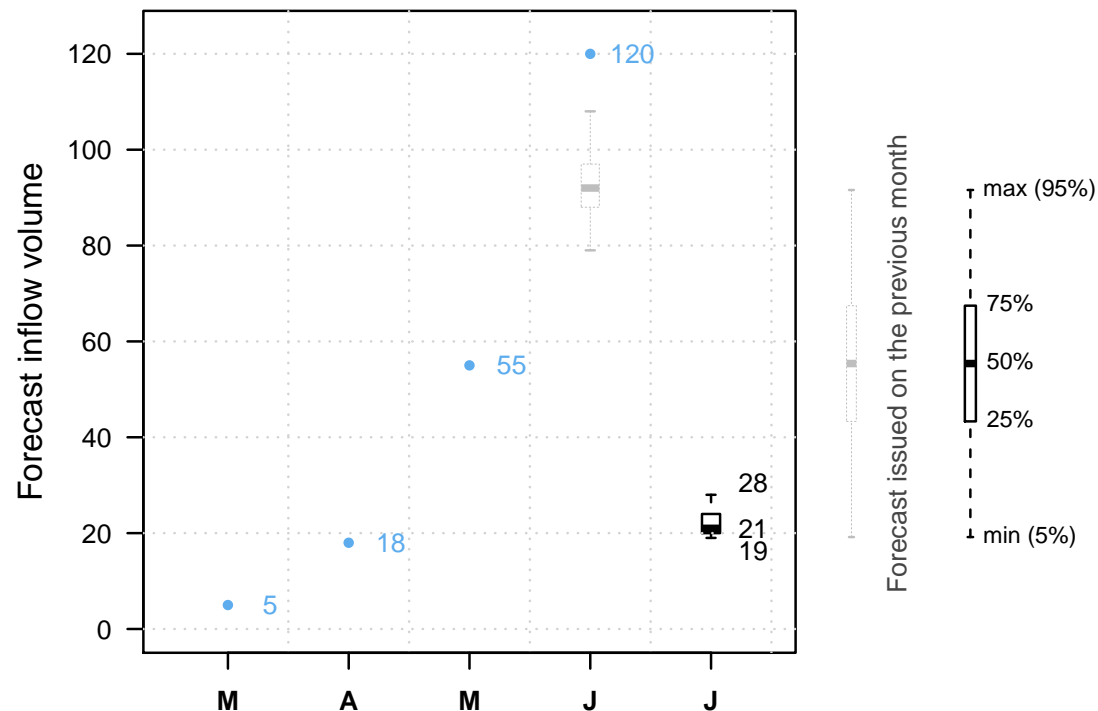


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

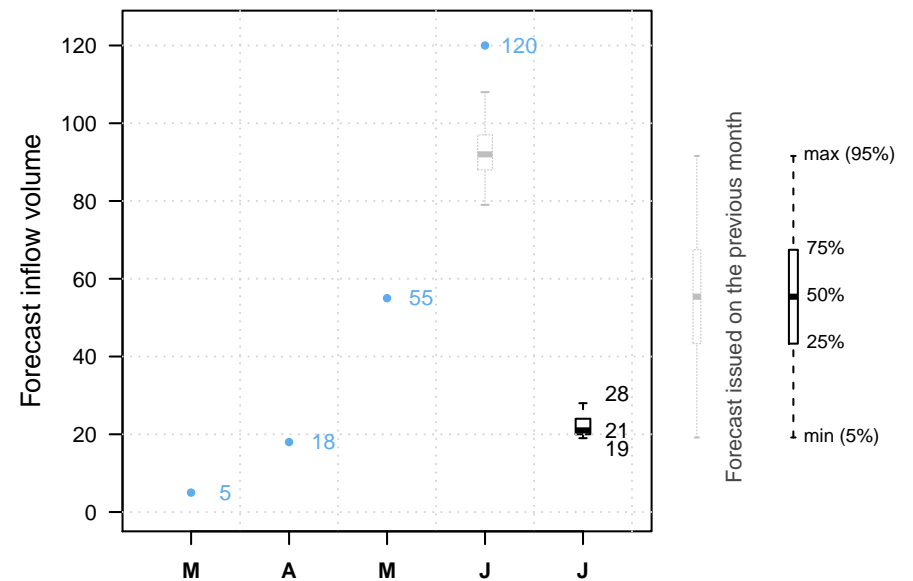
Previous decisions: B C B



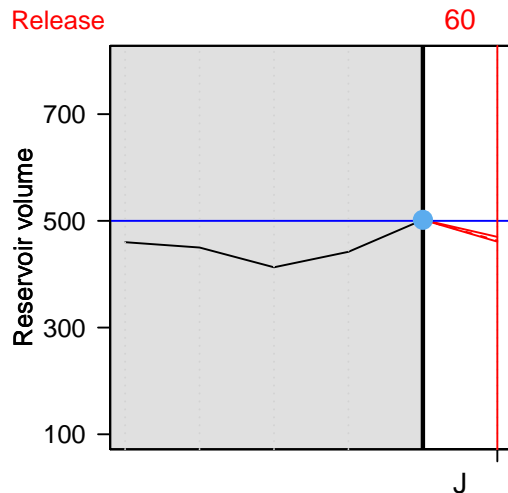
It is July 1st.

And our volunteer?

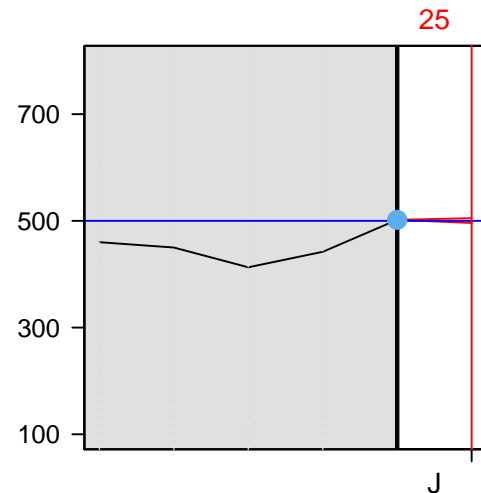
Let's see which release option our volunteer will choose.



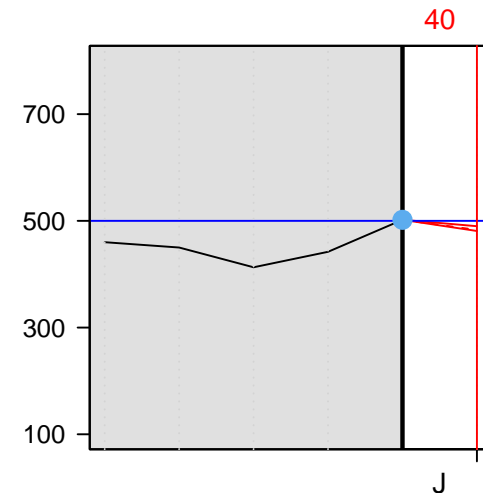
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

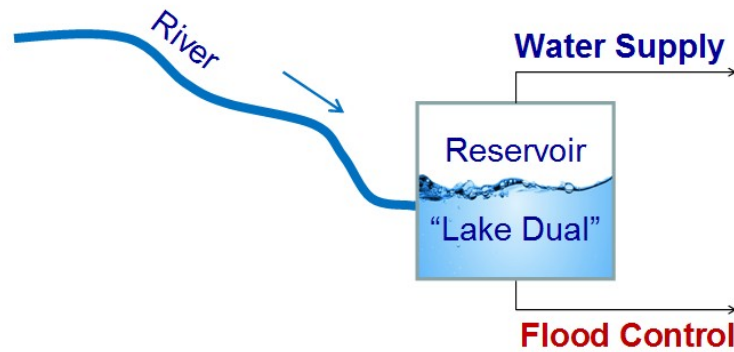
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



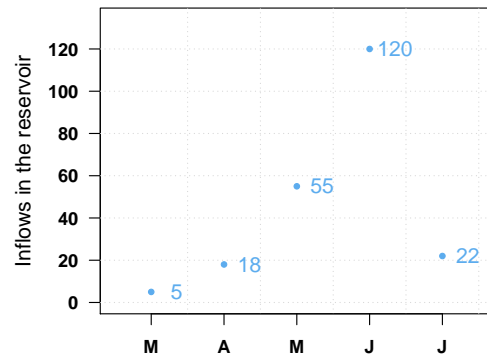
Swof Town



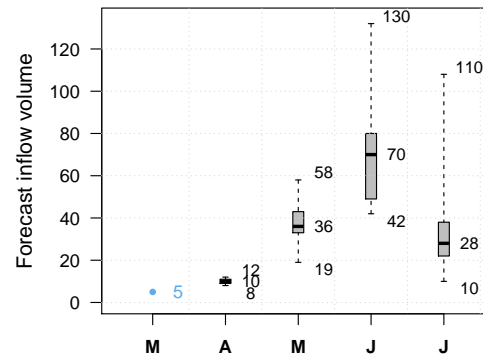
Safe Town



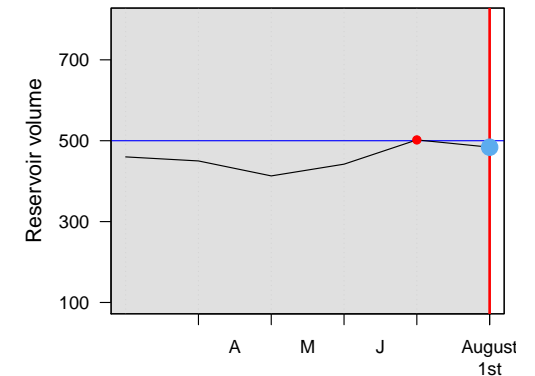
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

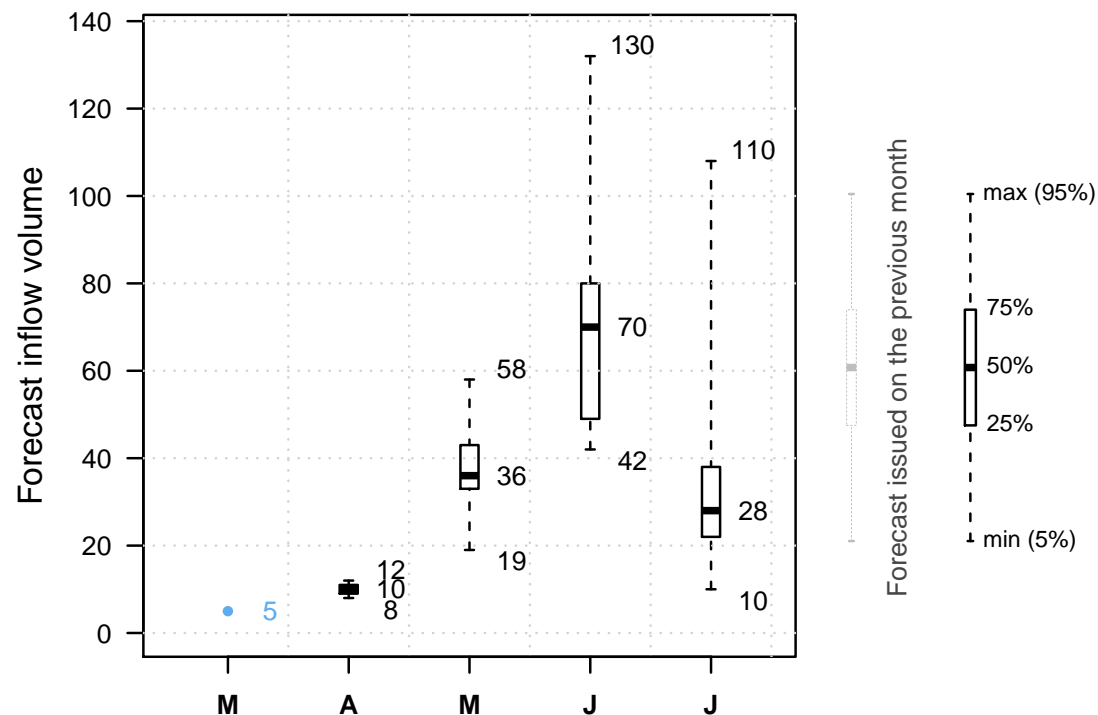


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

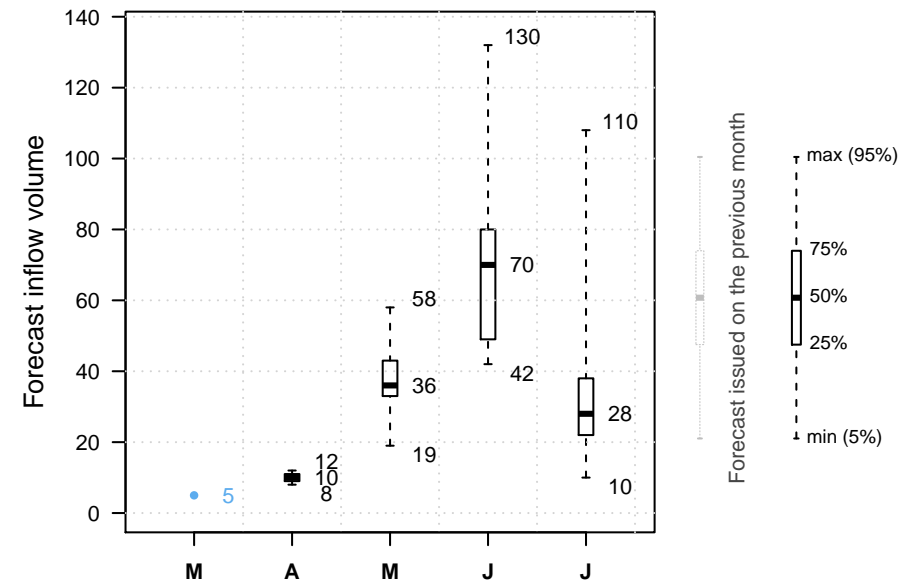
NEXT



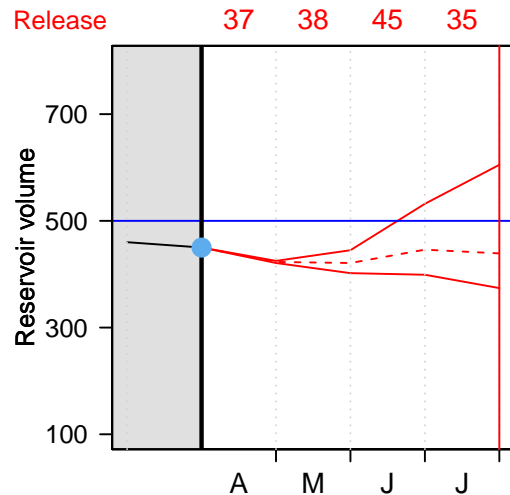
It is April 1st.

And our volunteer?

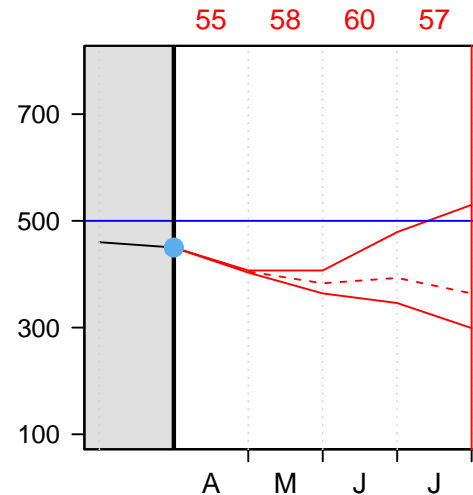
Let's see which release option our volunteer will choose.



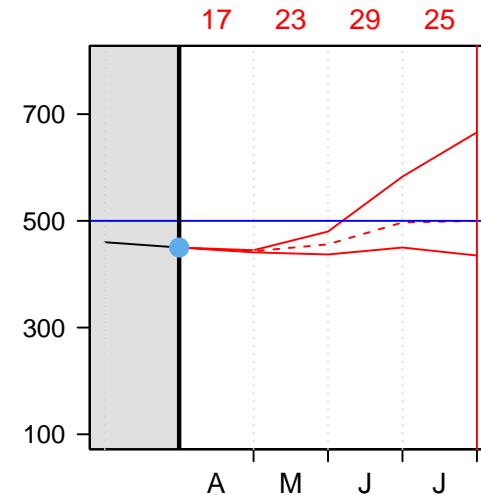
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

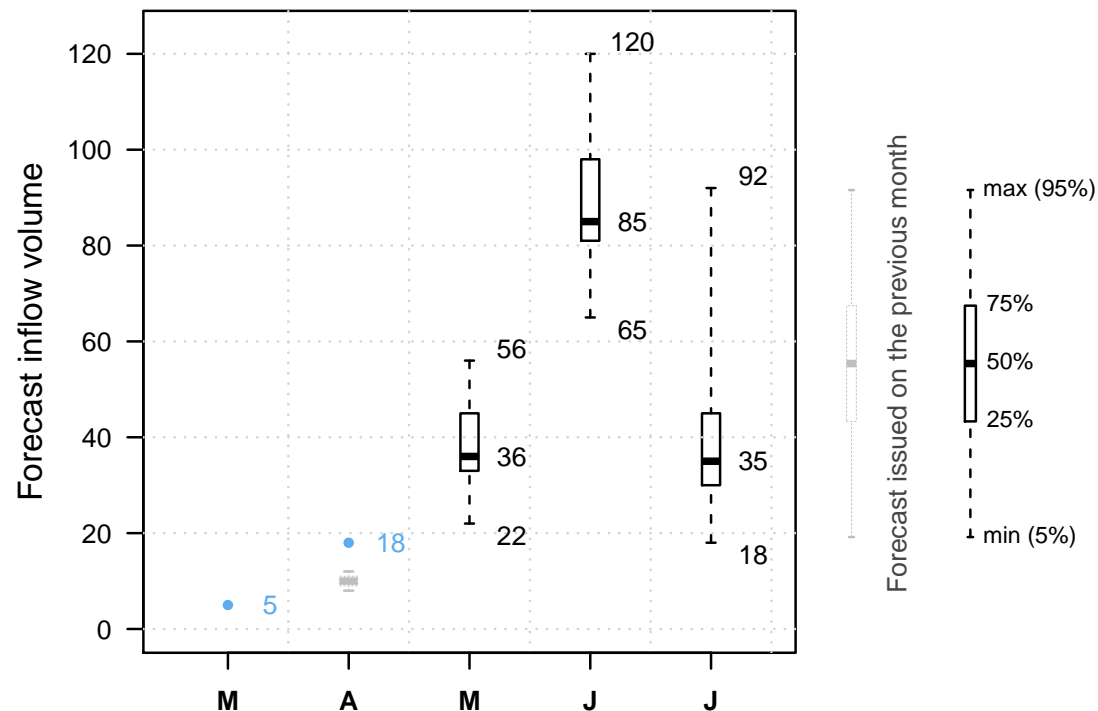


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



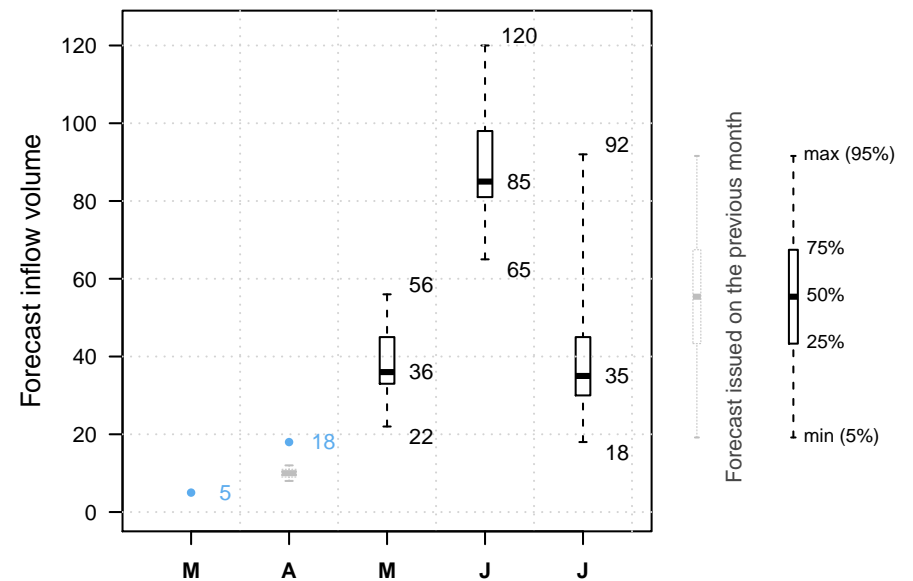
Previous decisions: C



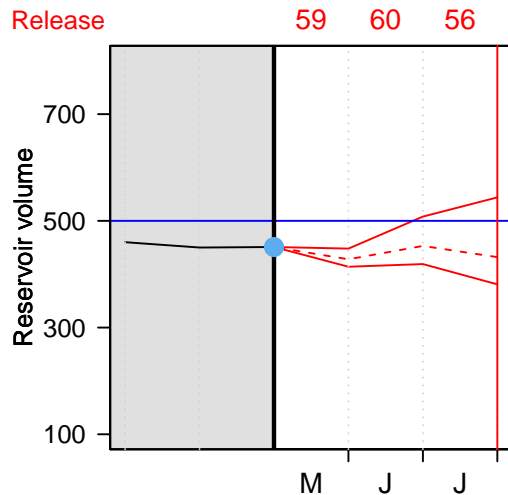
It is May 1st.

And our volunteer?

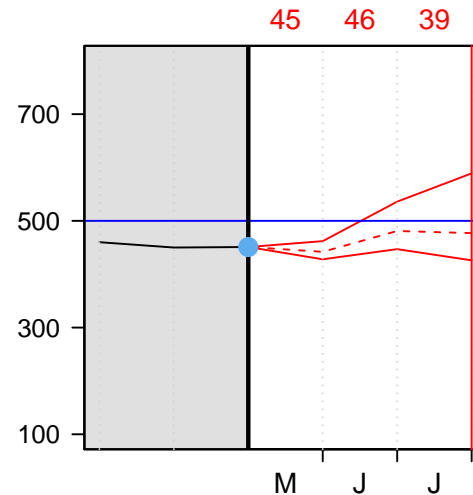
Let's see which release option our volunteer will choose.



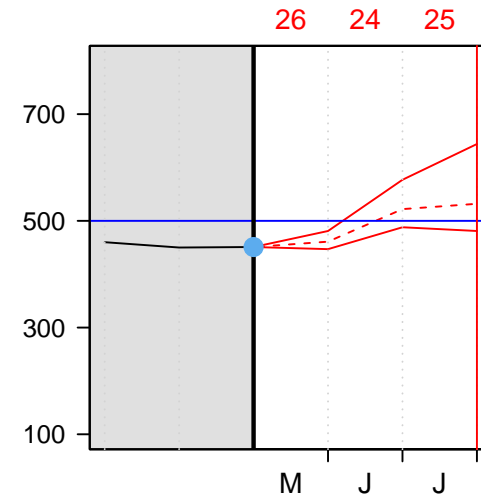
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

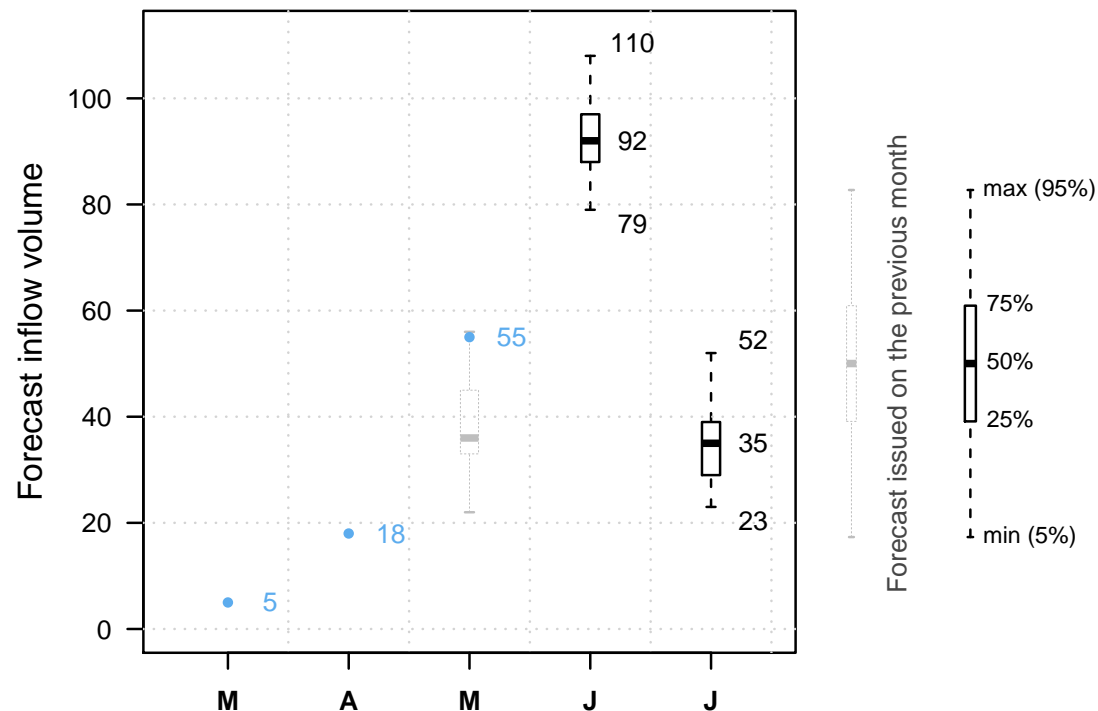


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

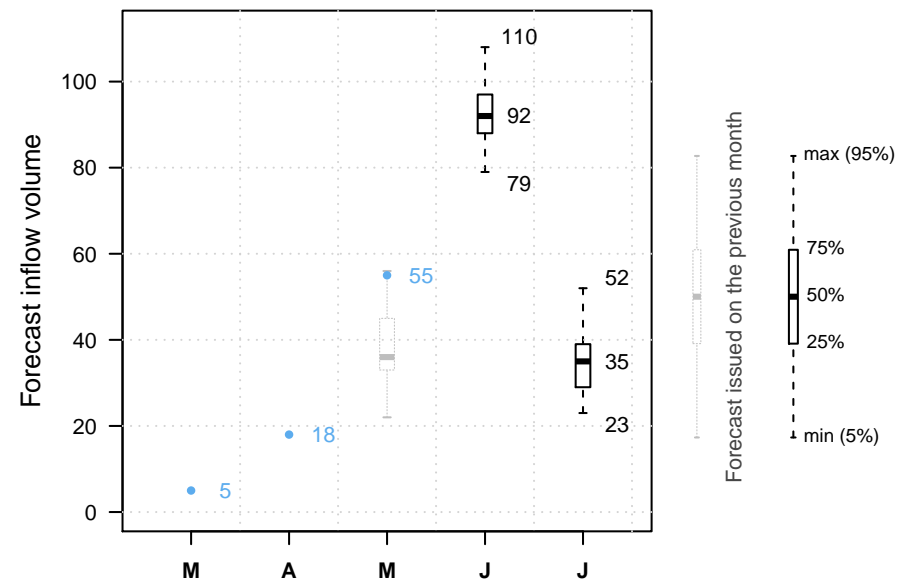
Previous decisions: C C



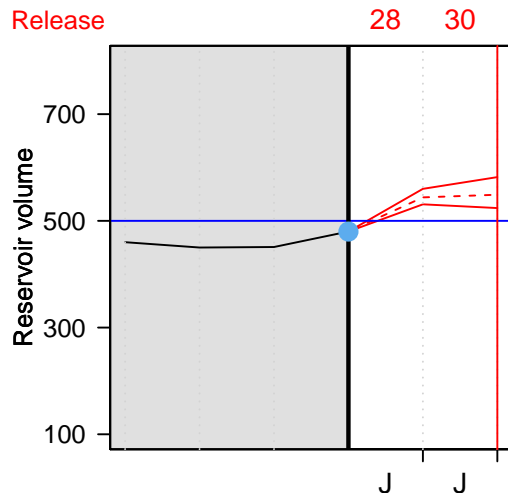
It is June 1st.

And our volunteer?

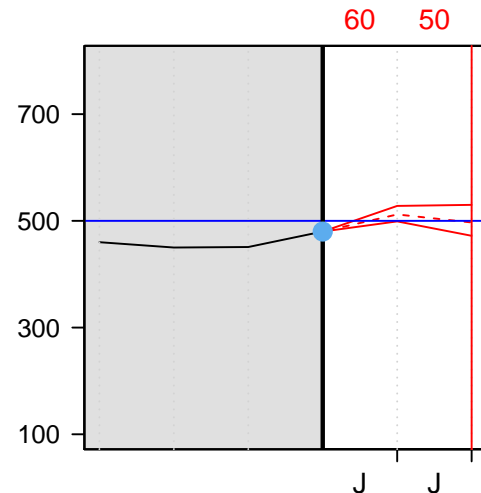
Let's see which release option our volunteer will choose.



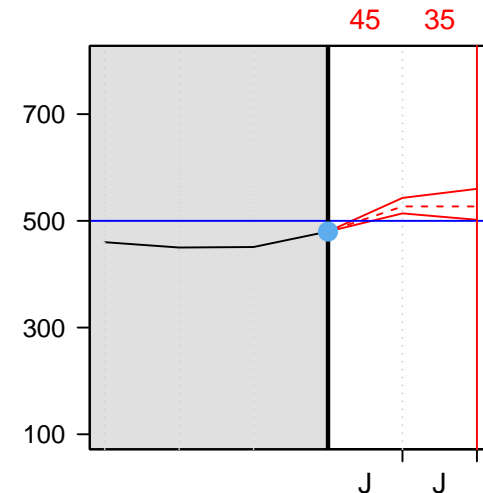
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $60 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 60 \text{ Mm}^3 = 540 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

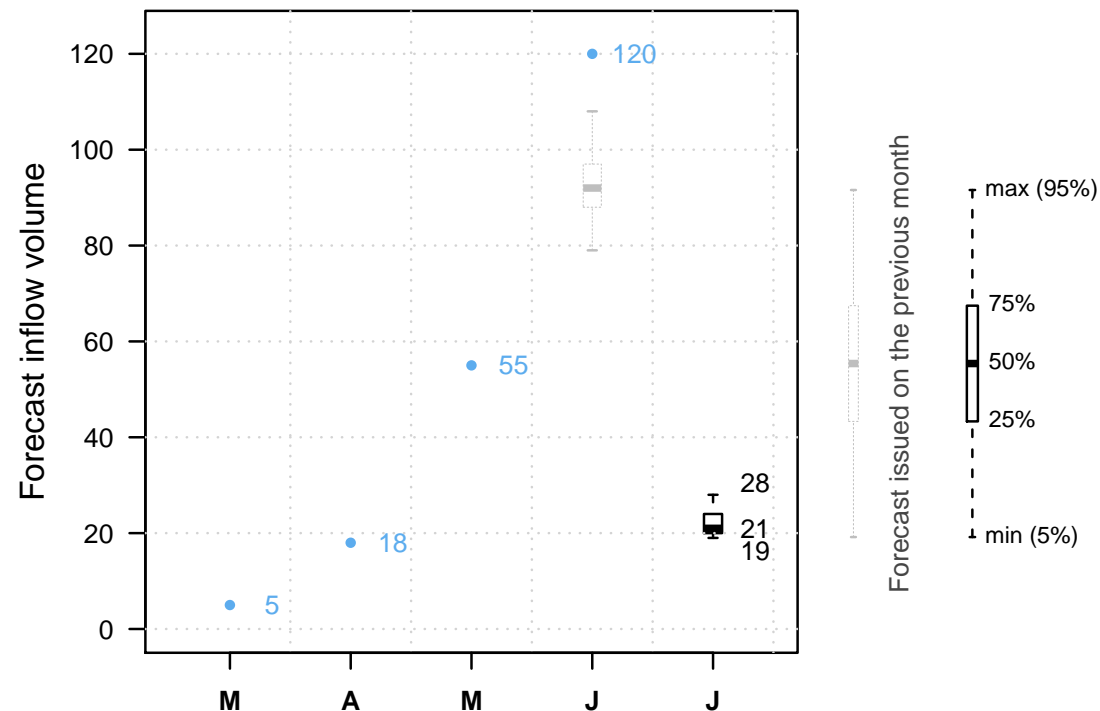


It is July 1st.

The reservoir is at  $540 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



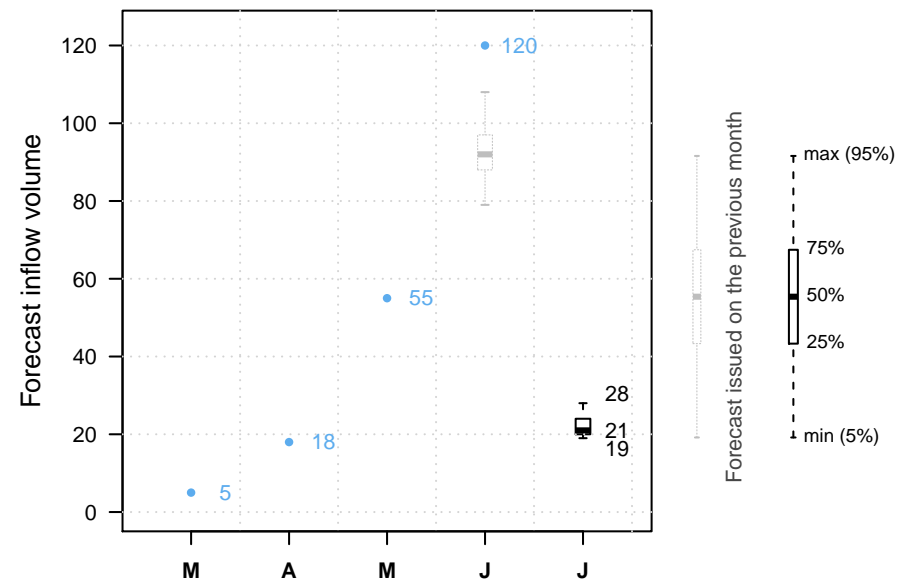
Previous decisions: C C B



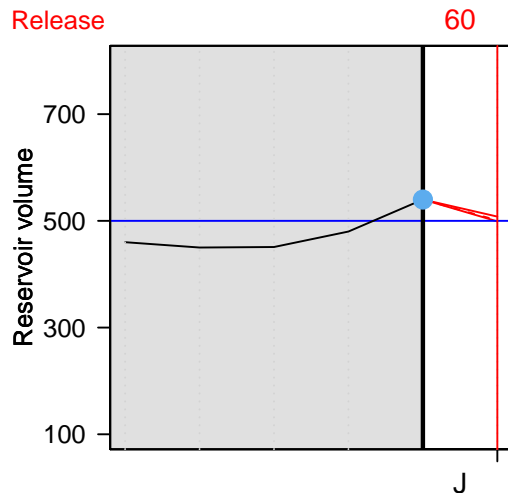
It is July 1st.

And our volunteer?

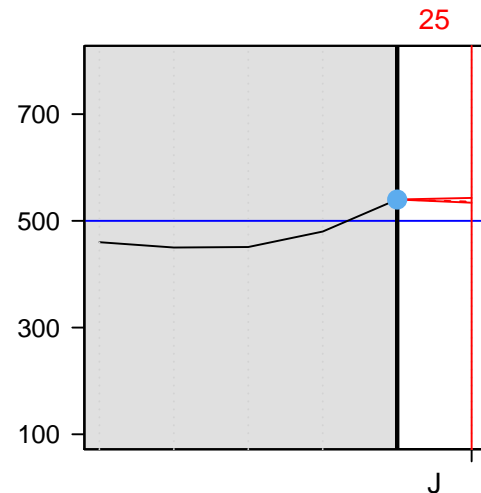
Let's see which release option our volunteer will choose.



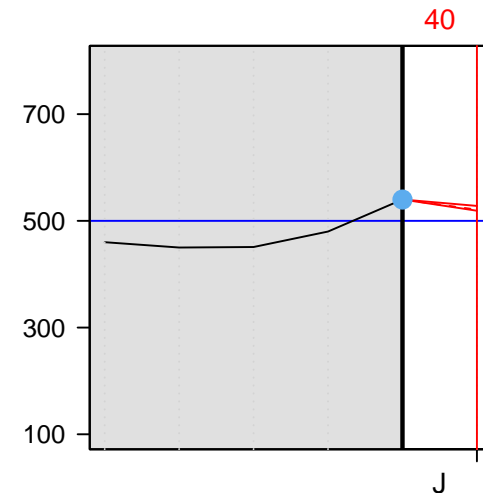
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$540 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 522 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

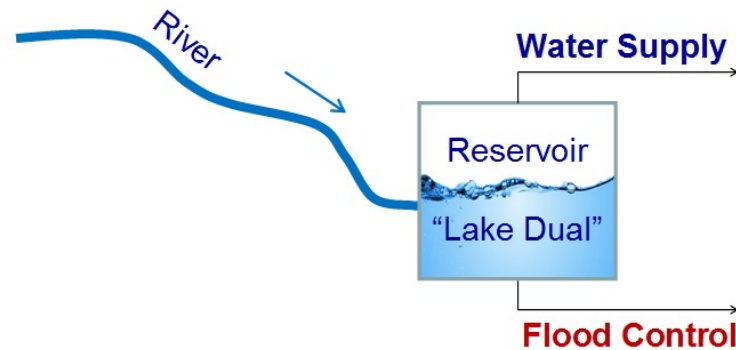
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



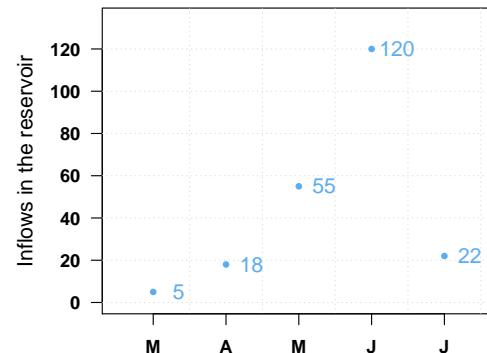
Swof Town



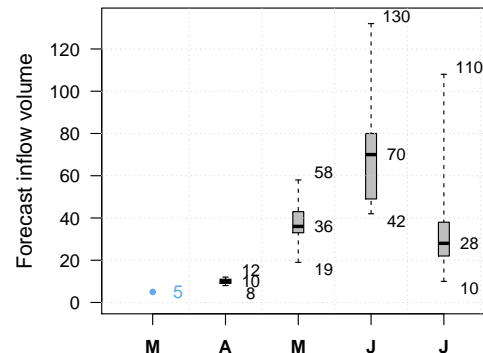
Safe Town



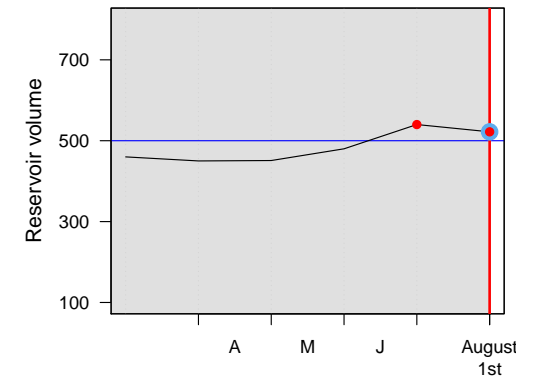
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

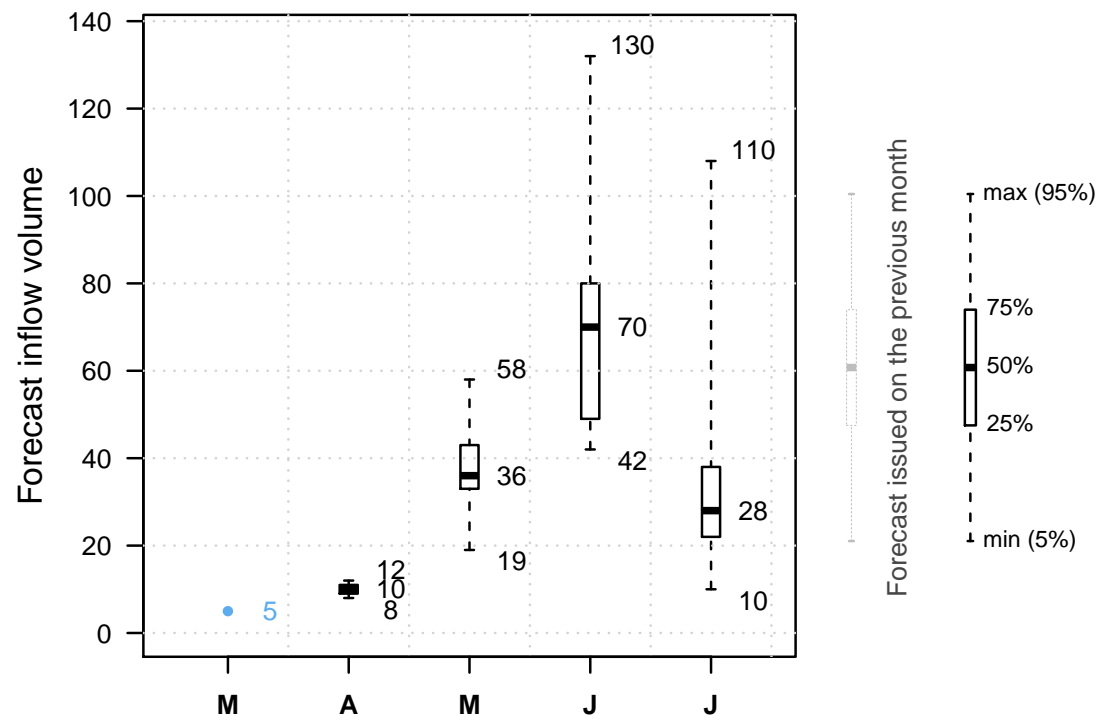


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

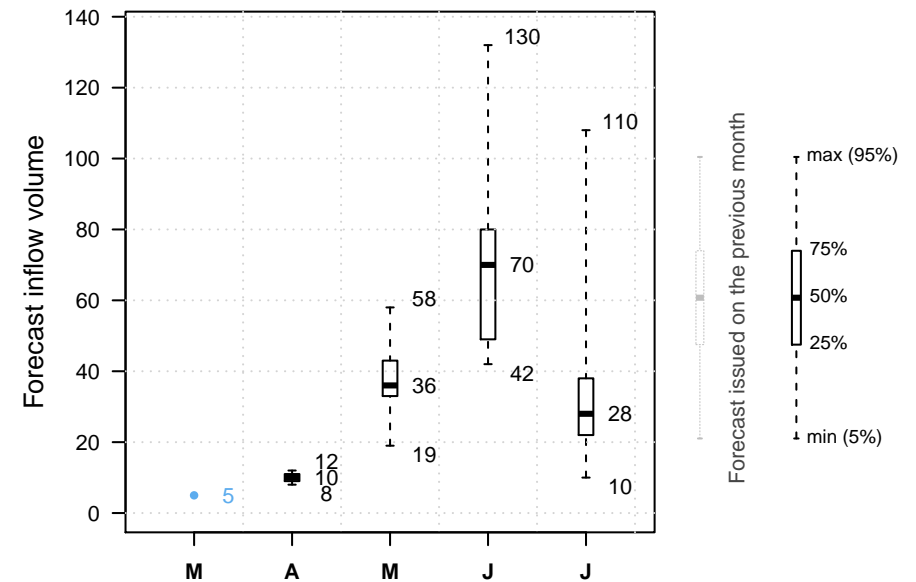
NEXT



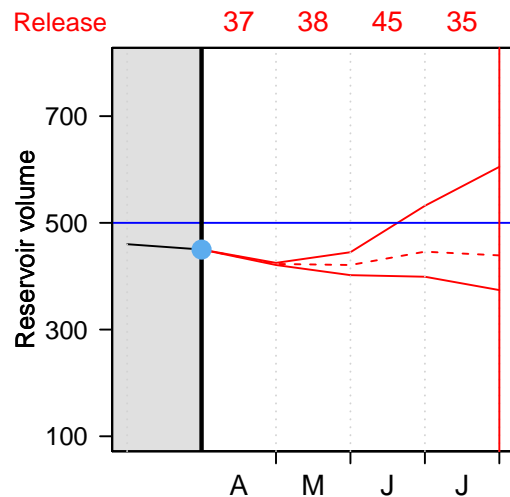
It is April 1st.

And our volunteer?

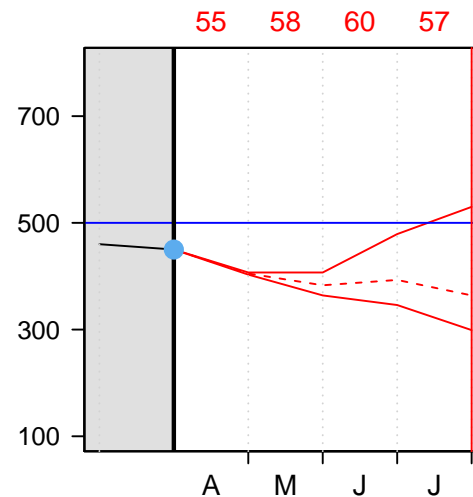
Let's see which release option our volunteer will choose.



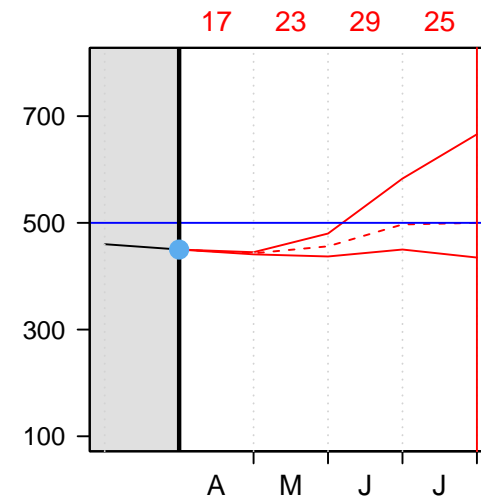
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



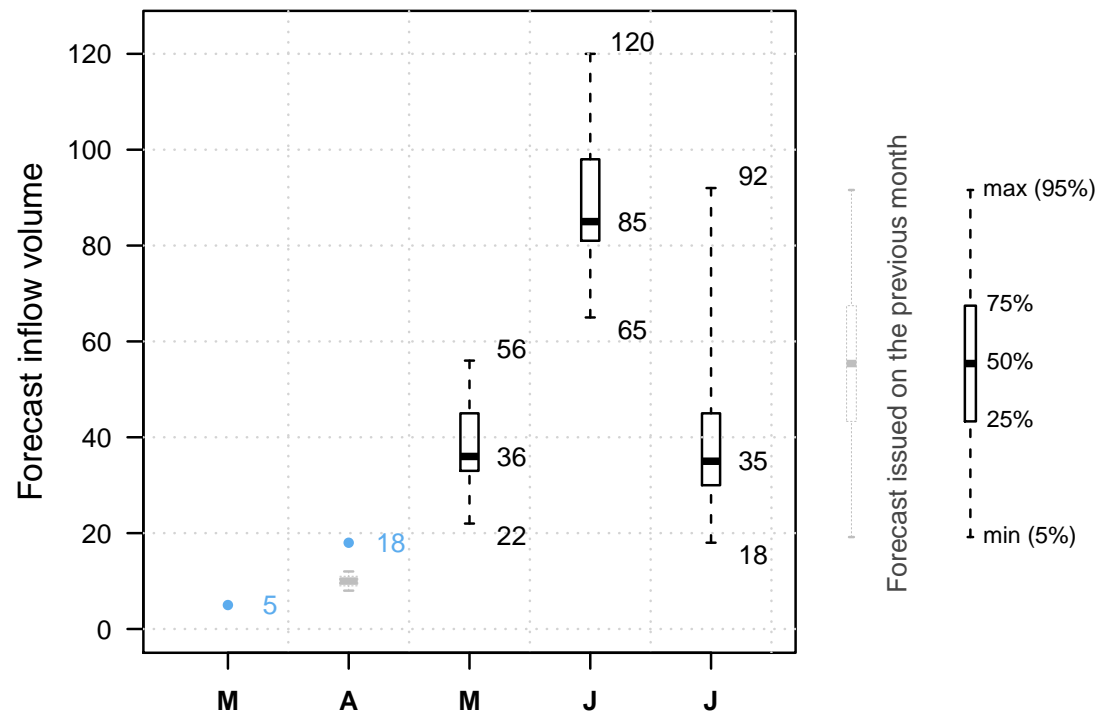


It is May 1st.

The reservoir is at 431  $Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

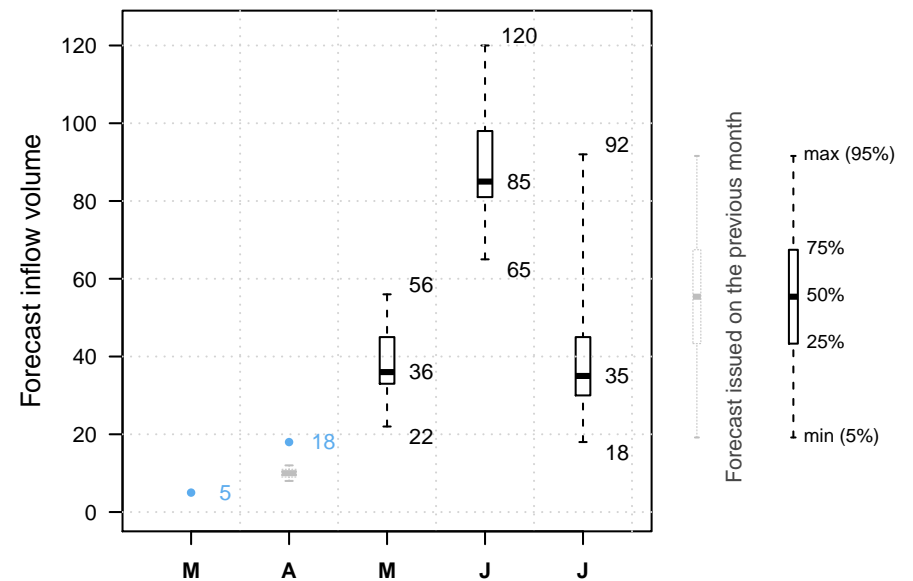
Previous decisions: A



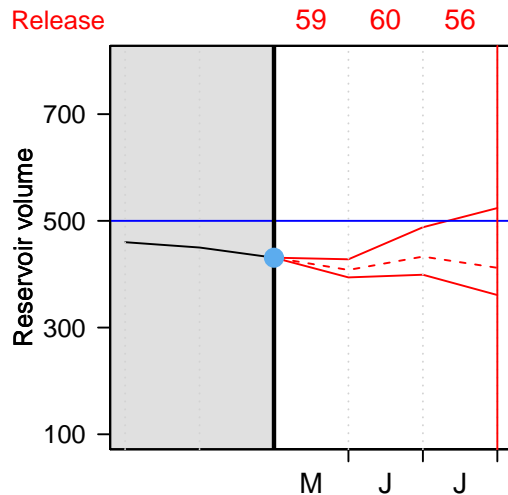
It is May 1st.

And our volunteer?

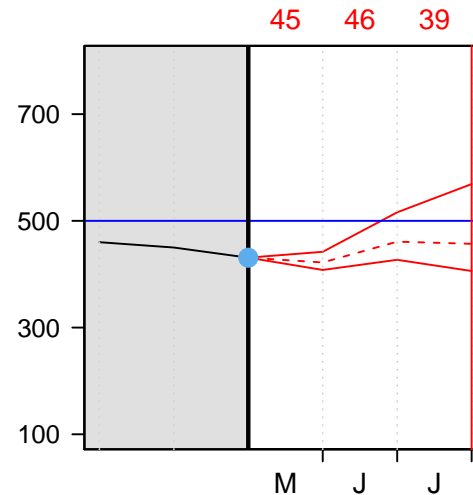
Let's see which release option our volunteer will choose.



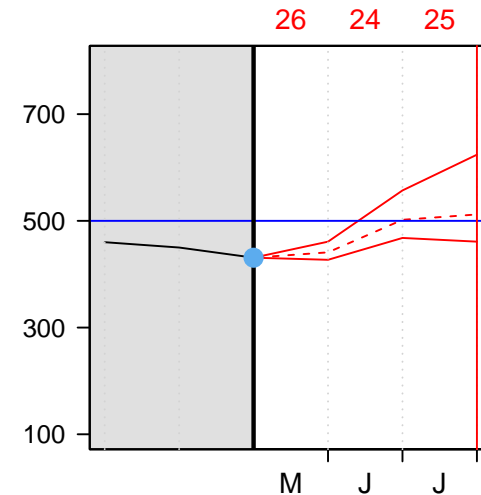
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 427 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

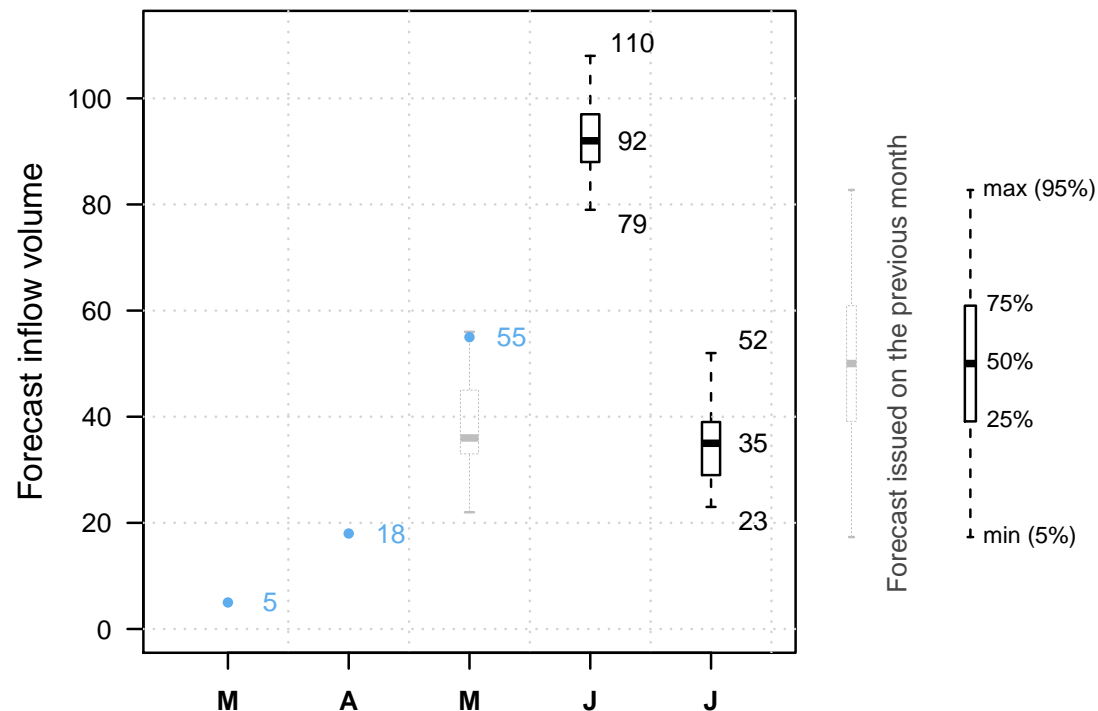


It is June 1st.

The reservoir is at  $427 \text{ Mm}^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

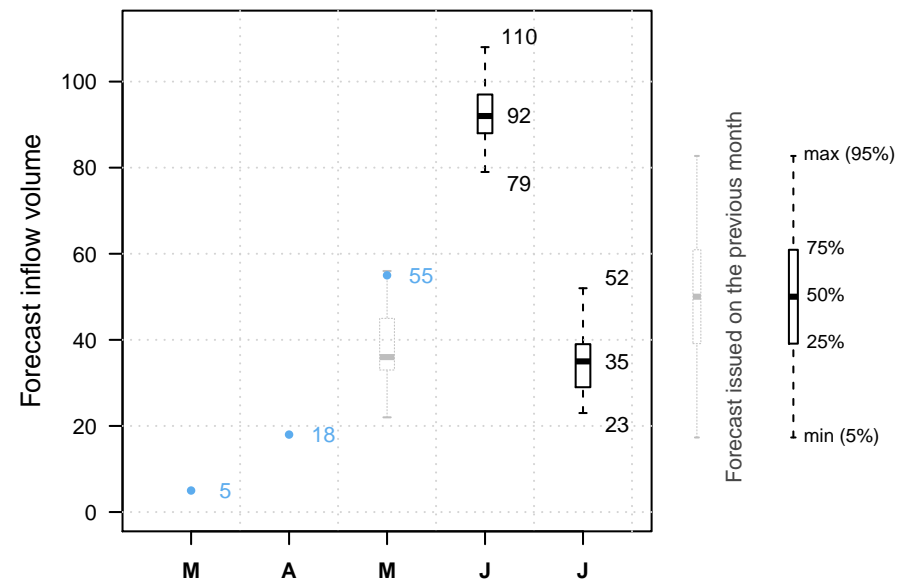
Previous decisions: A A



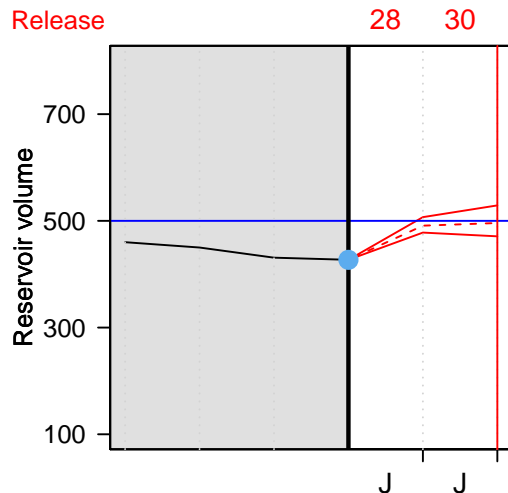
It is June 1st.

And our volunteer?

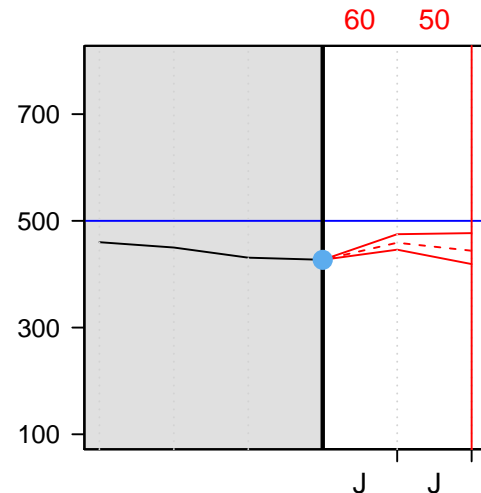
Let's see which release option our volunteer will choose.



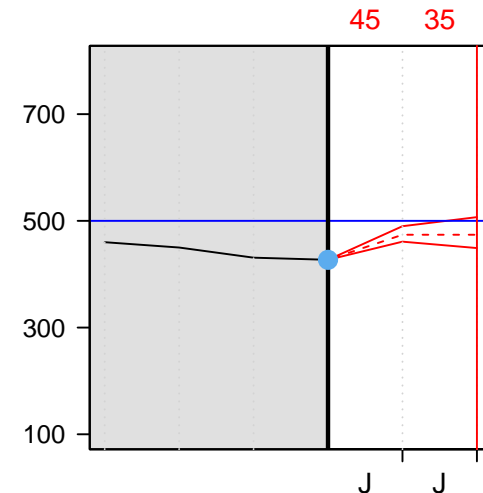
Option A



Option B



Option C



● Current reservoir volume

--- Reservoir volume assuming inflow is median forecast

— Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$427 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 502 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



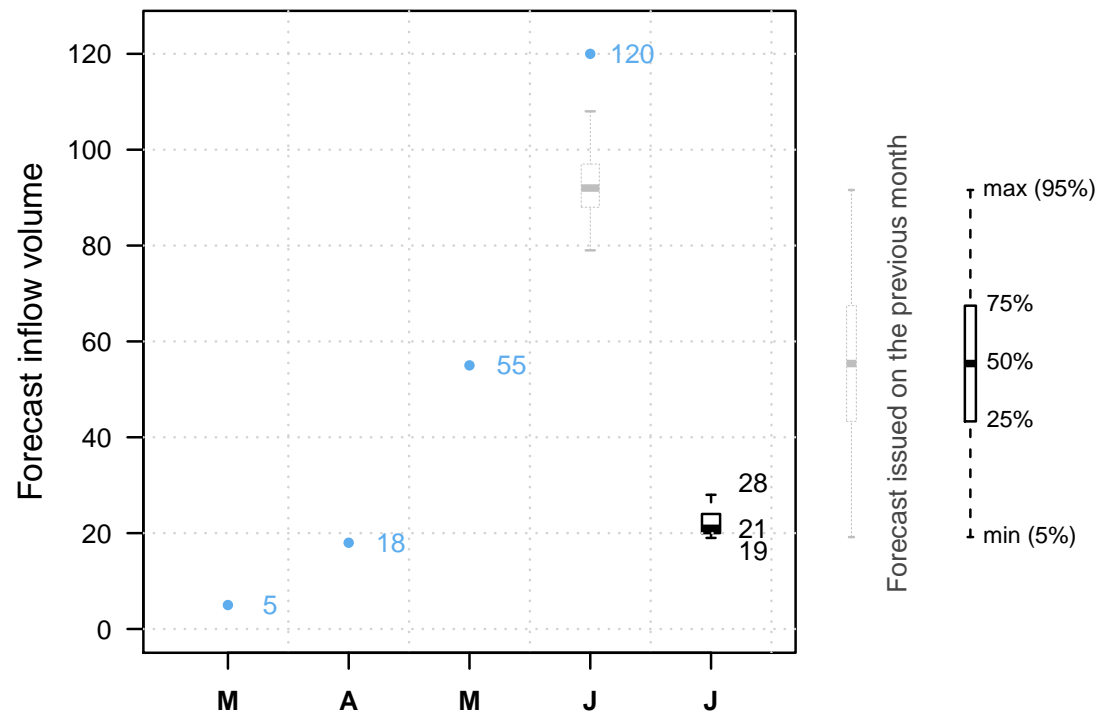


It is July 1st.

The reservoir is at  $502 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

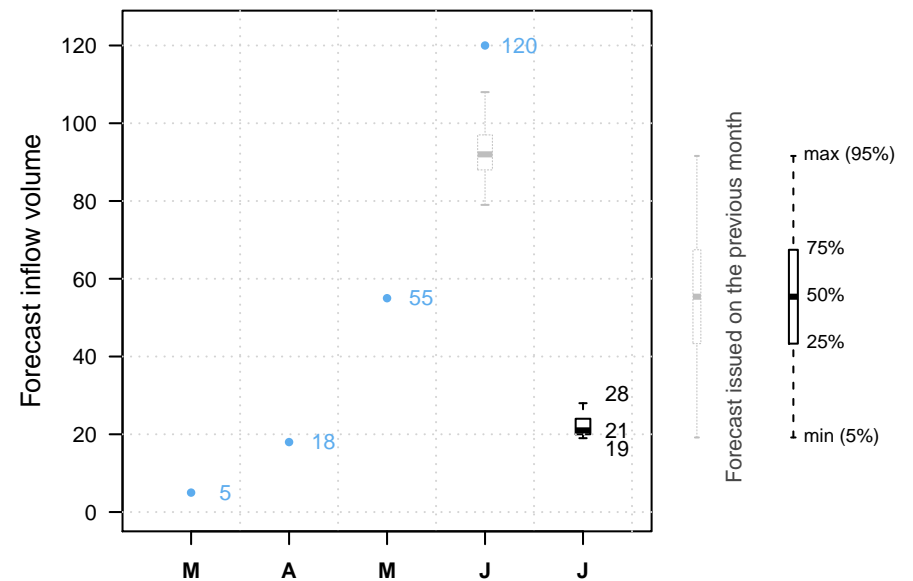
Previous decisions: A A C



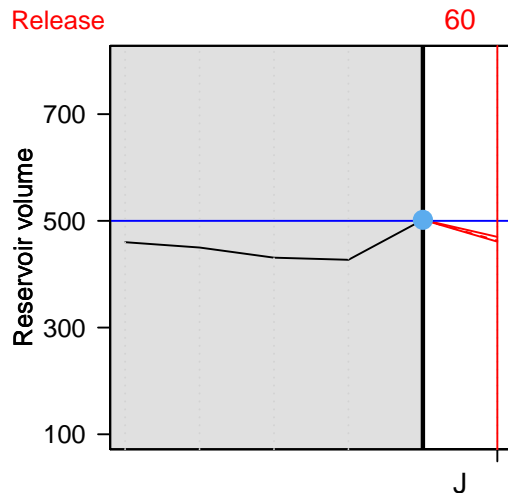
It is July 1st.

And our volunteer?

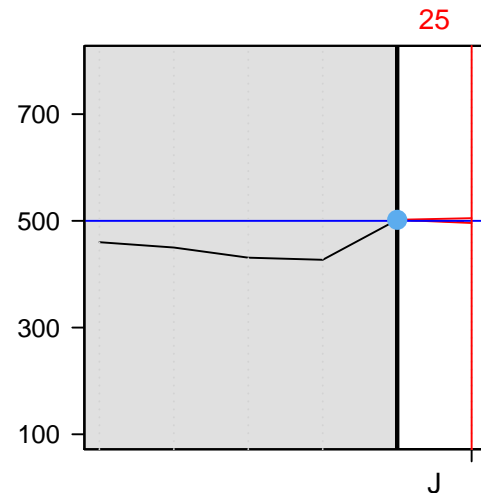
Let's see which release option our volunteer will choose.



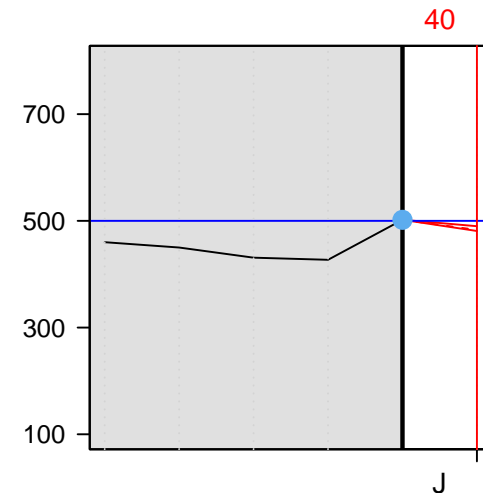
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$502 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

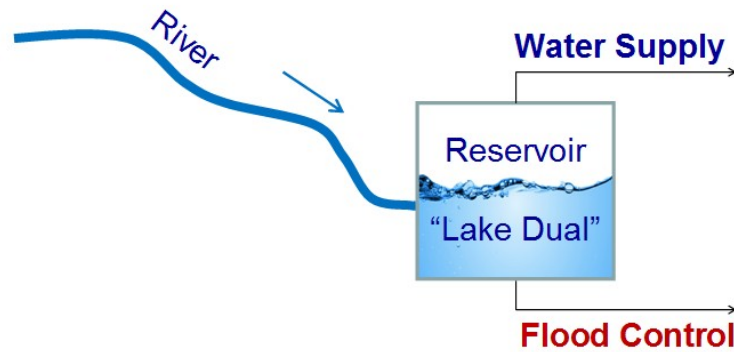
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



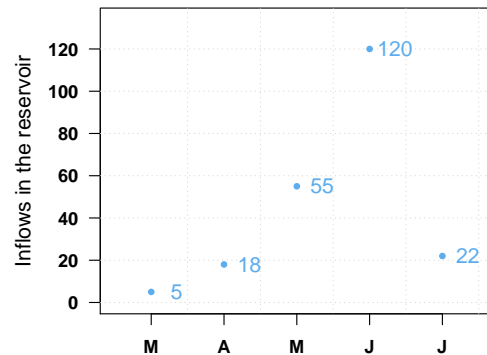
Swof Town



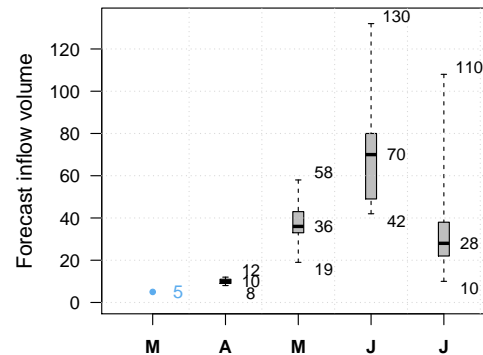
Safe Town



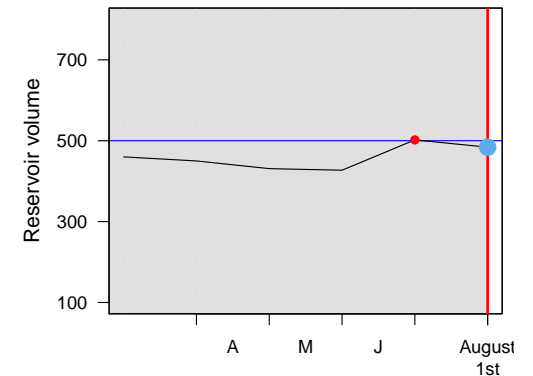
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

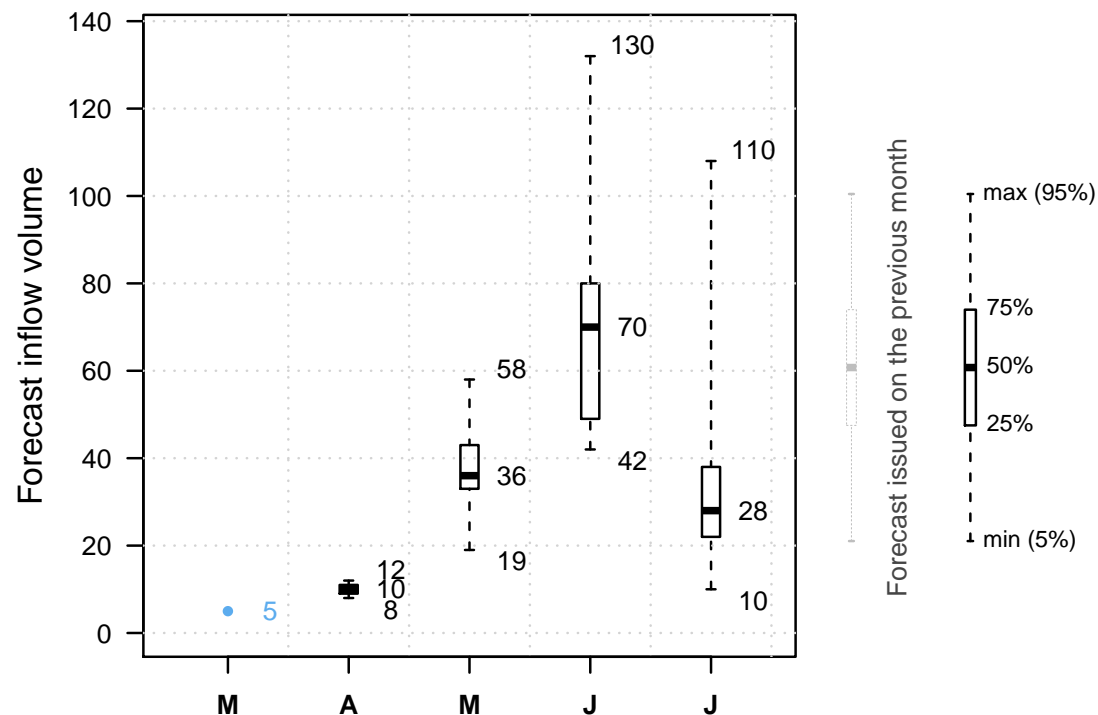


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

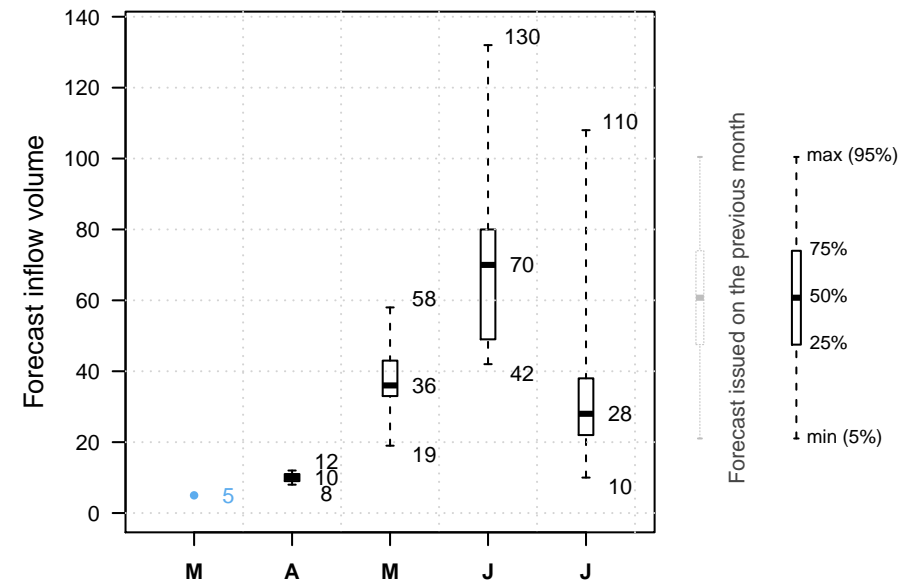
**NEXT**



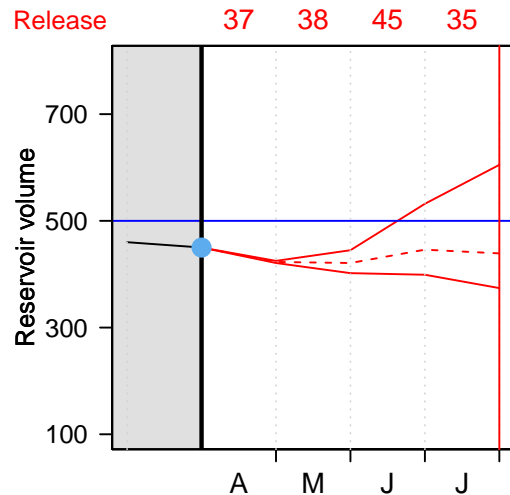
It is April 1st.

And our volunteer?

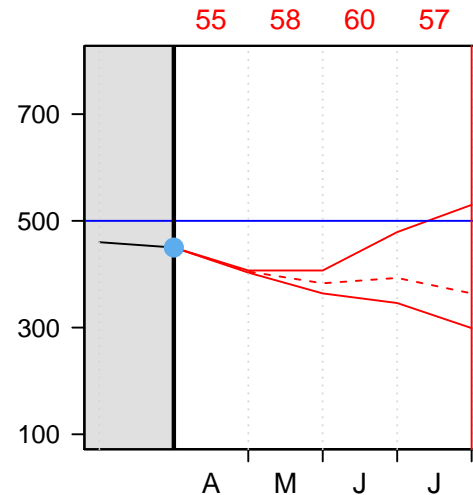
Let's see which release option our volunteer will choose.



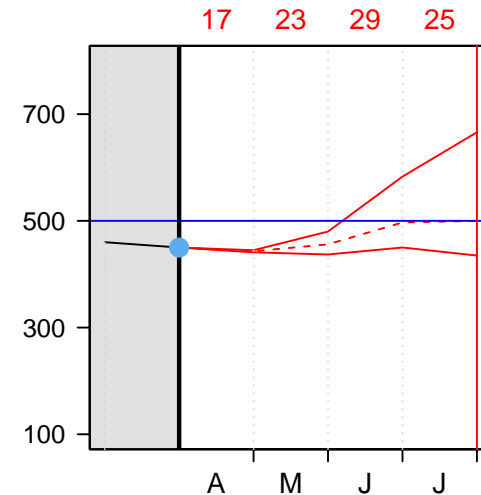
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

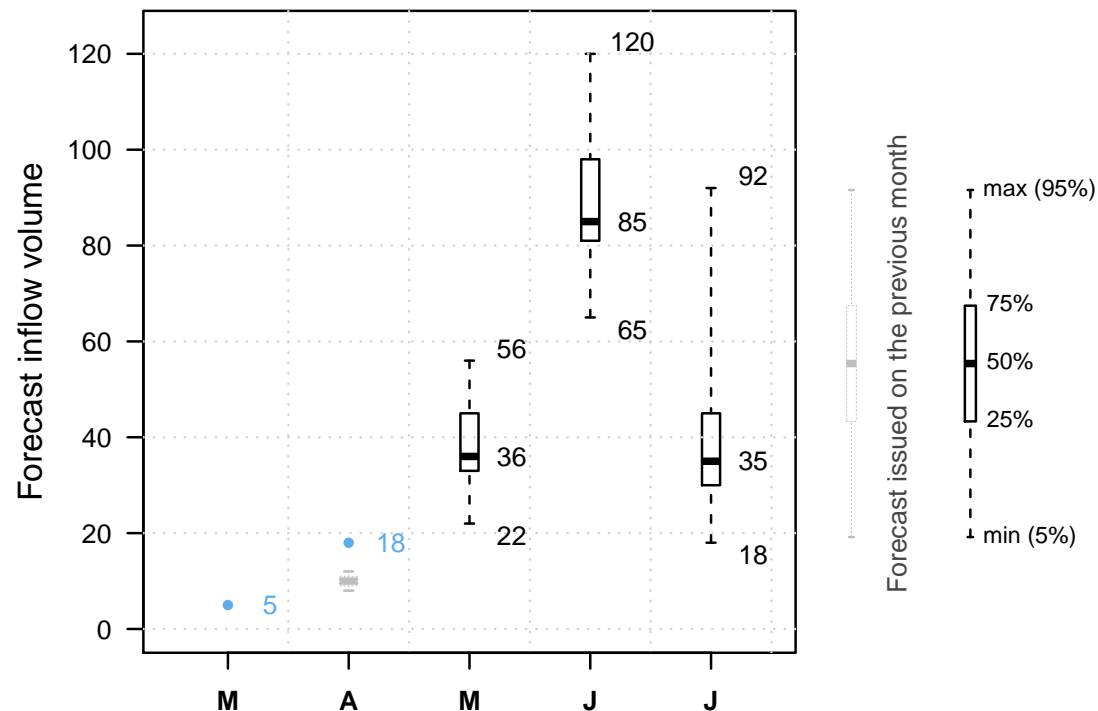


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

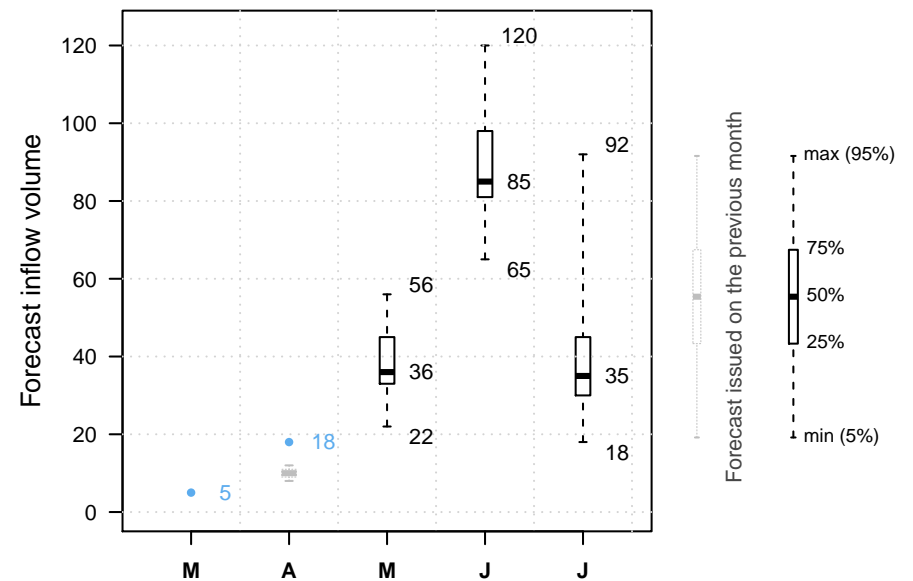
Previous decisions: B



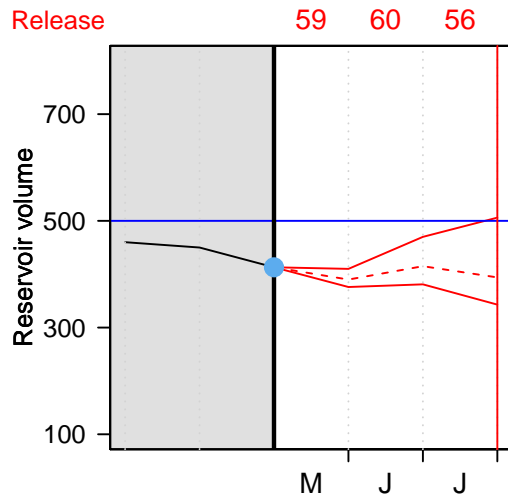
It is May 1st.

And our volunteer?

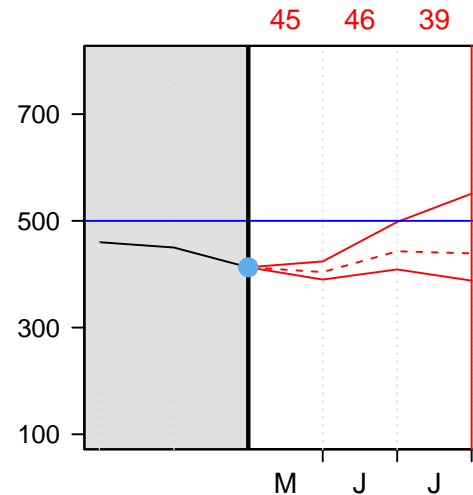
Let's see which release option our volunteer will choose.



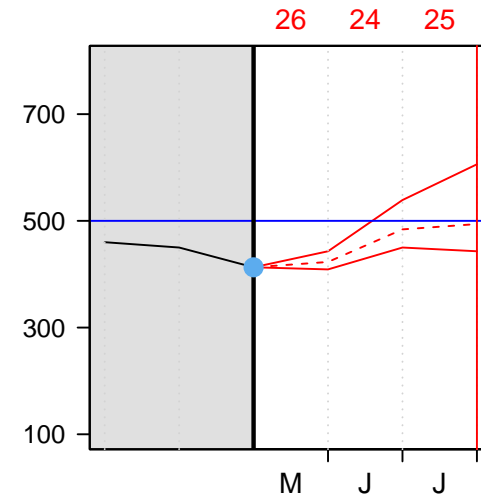
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 409 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

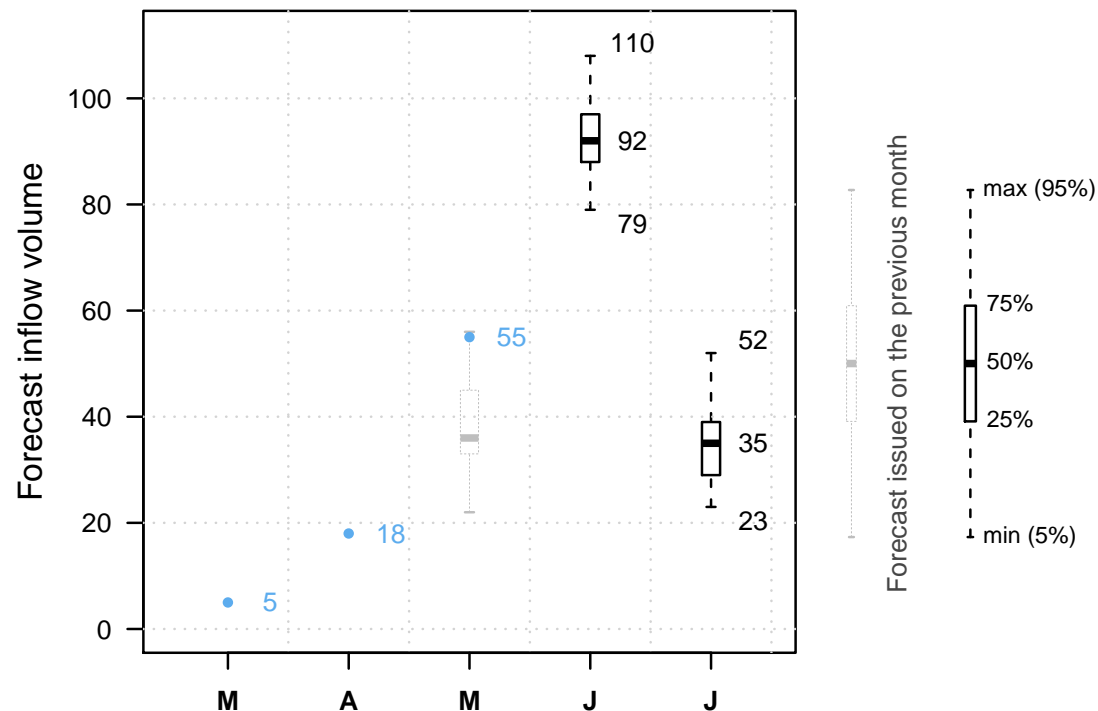


It is June 1st.

The reservoir is at 409  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

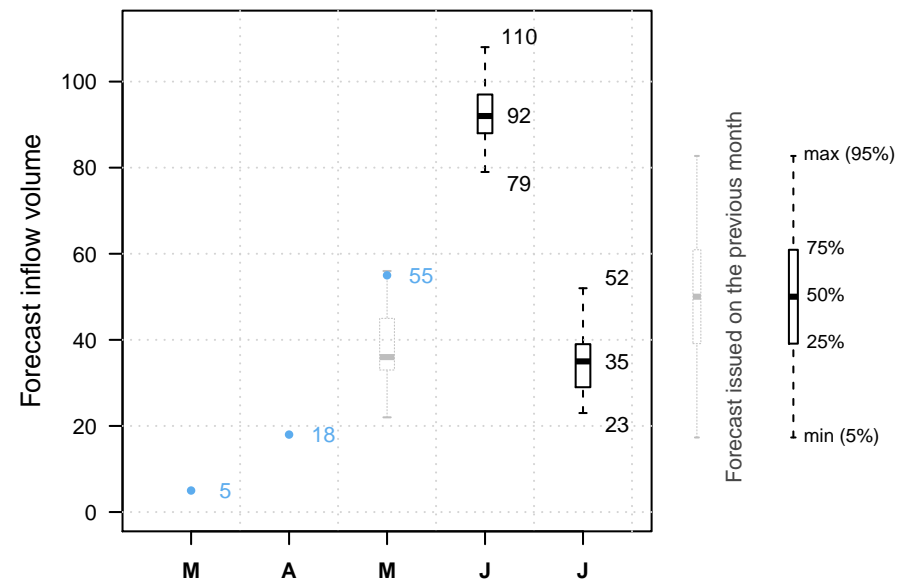
Previous decisions: B A



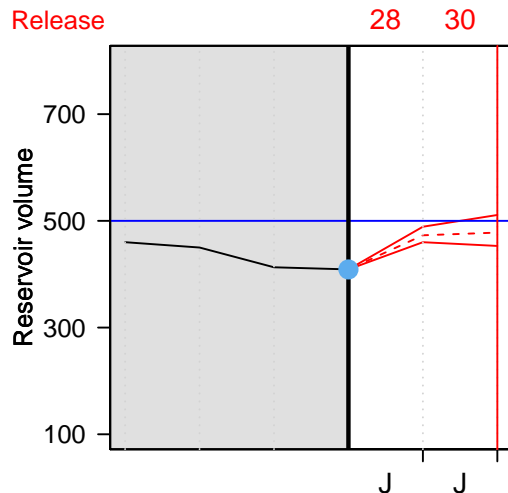
It is June 1st.

And our volunteer?

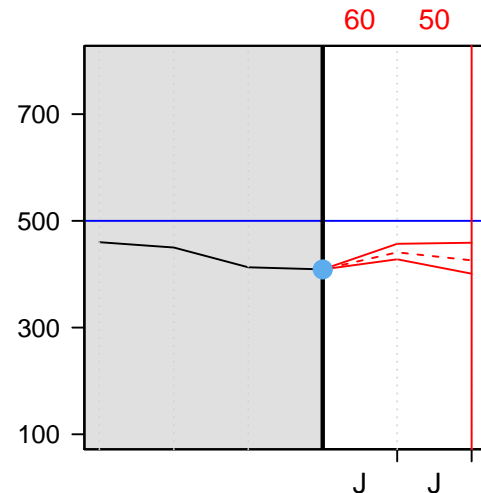
Let's see which release option our volunteer will choose.



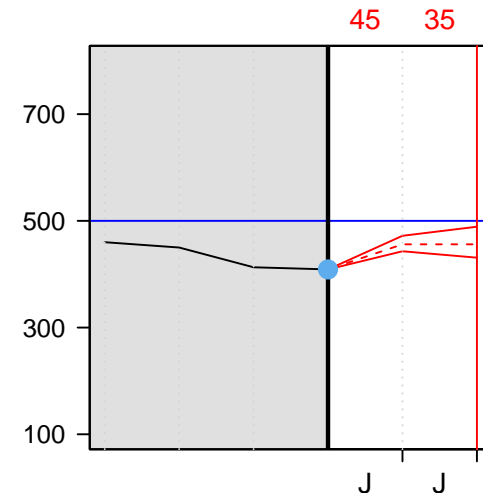
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$409 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 484 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

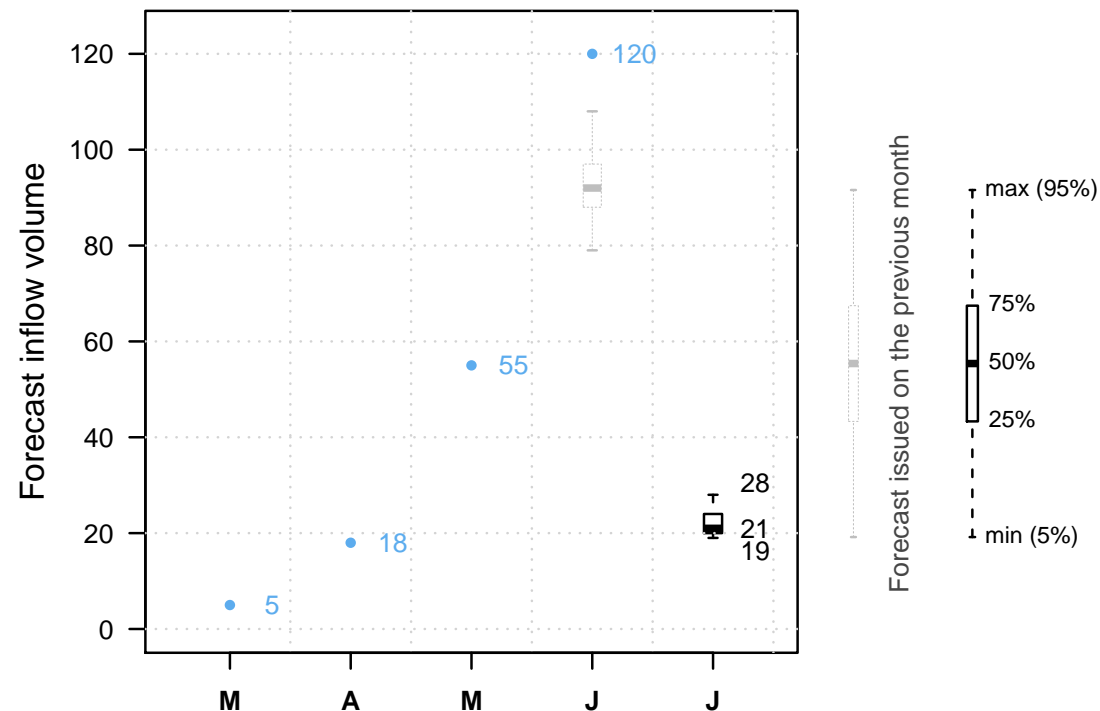


It is July 1st.

The reservoir is at 484  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

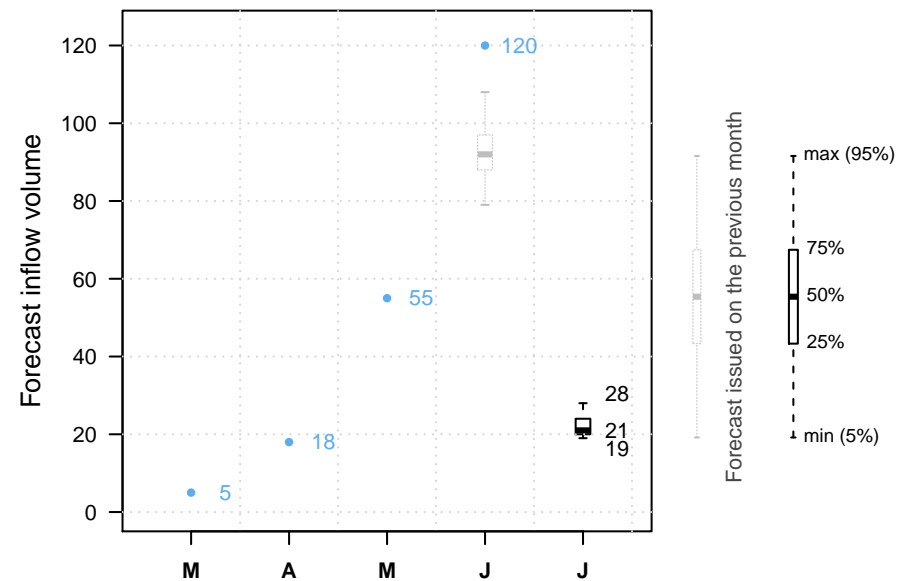
Previous decisions: B A C



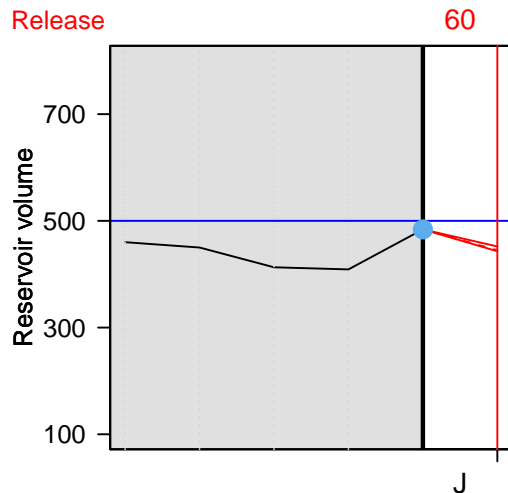
It is July 1st.

And our volunteer?

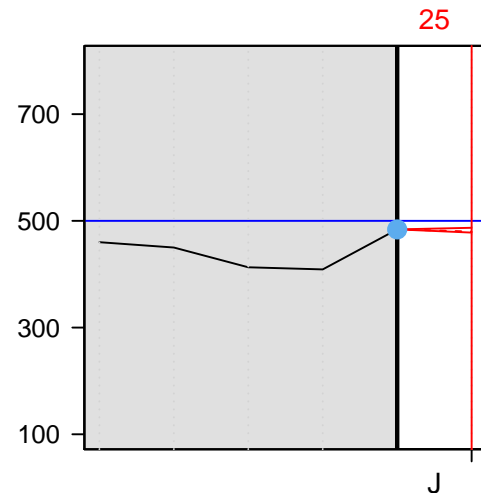
Let's see which release option our volunteer will choose.



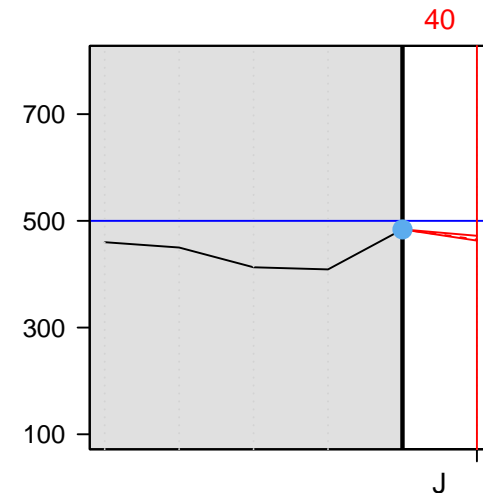
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$484 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 466 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

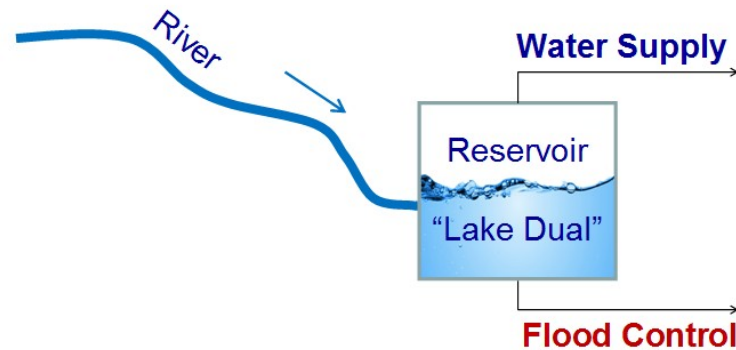
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



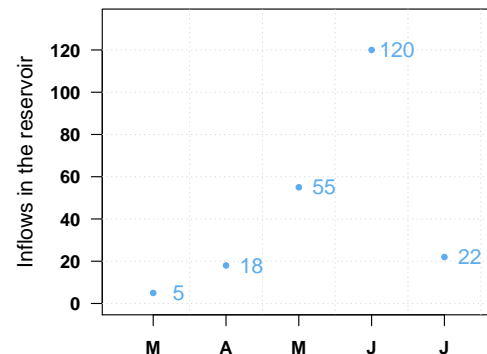
Swof Town



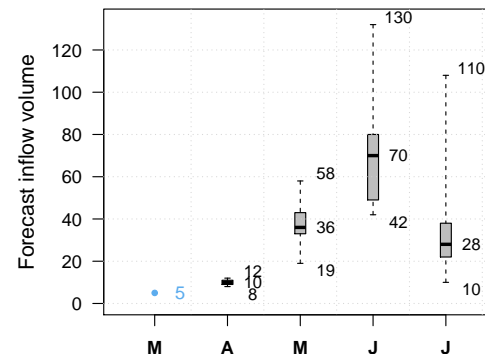
Safe Town



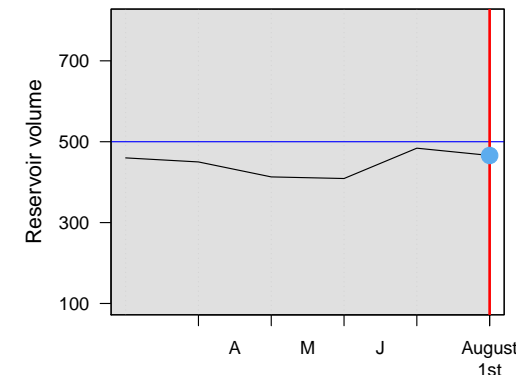
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

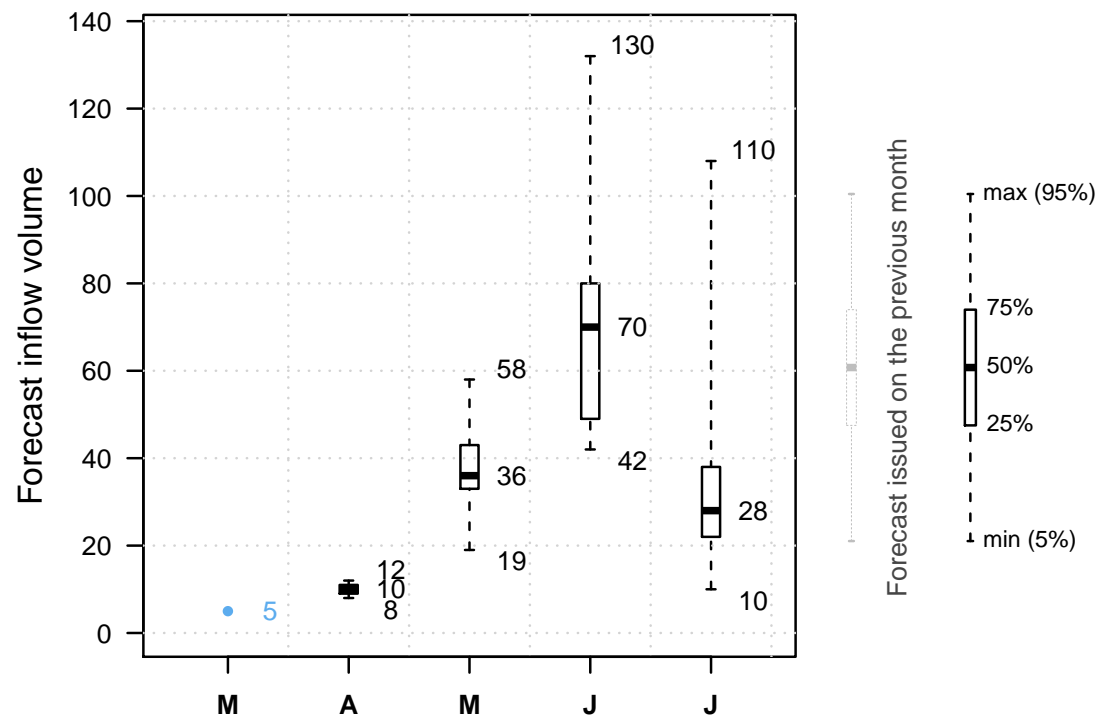


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

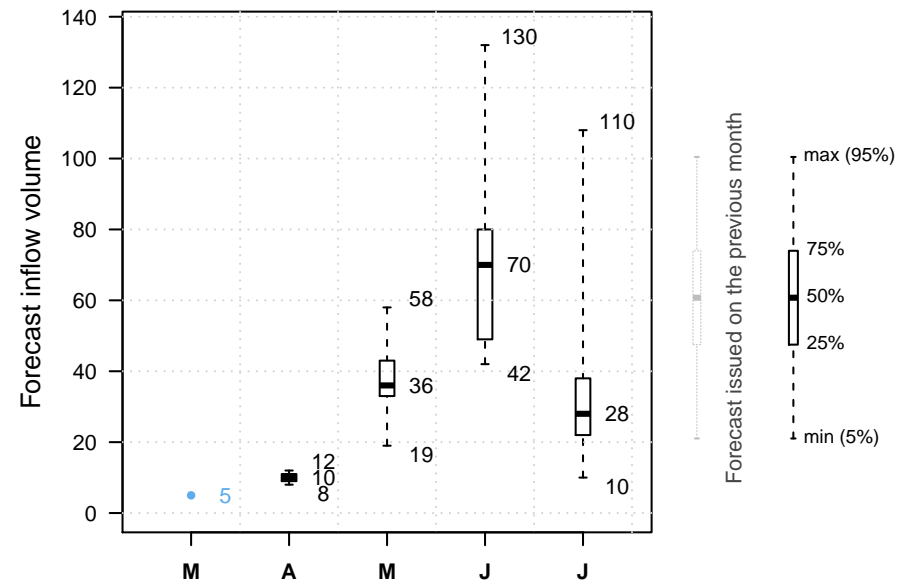
NEXT



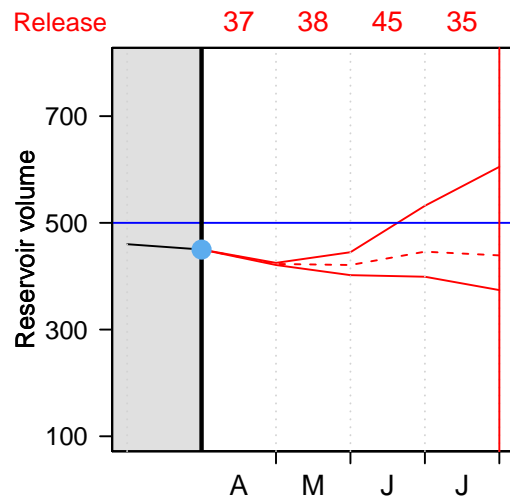
It is April 1st.

And our volunteer?

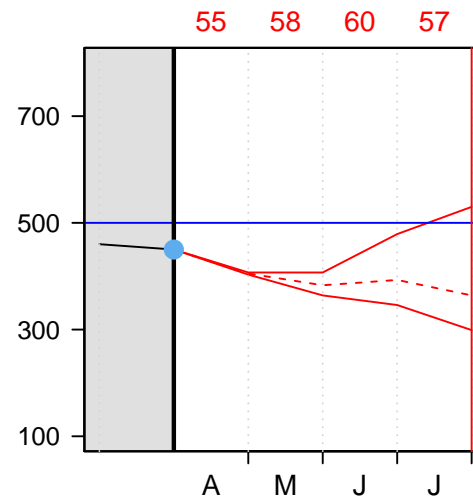
Let's see which release option our volunteer will choose.



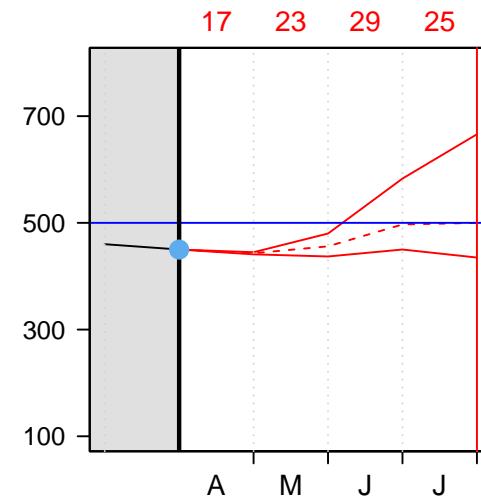
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

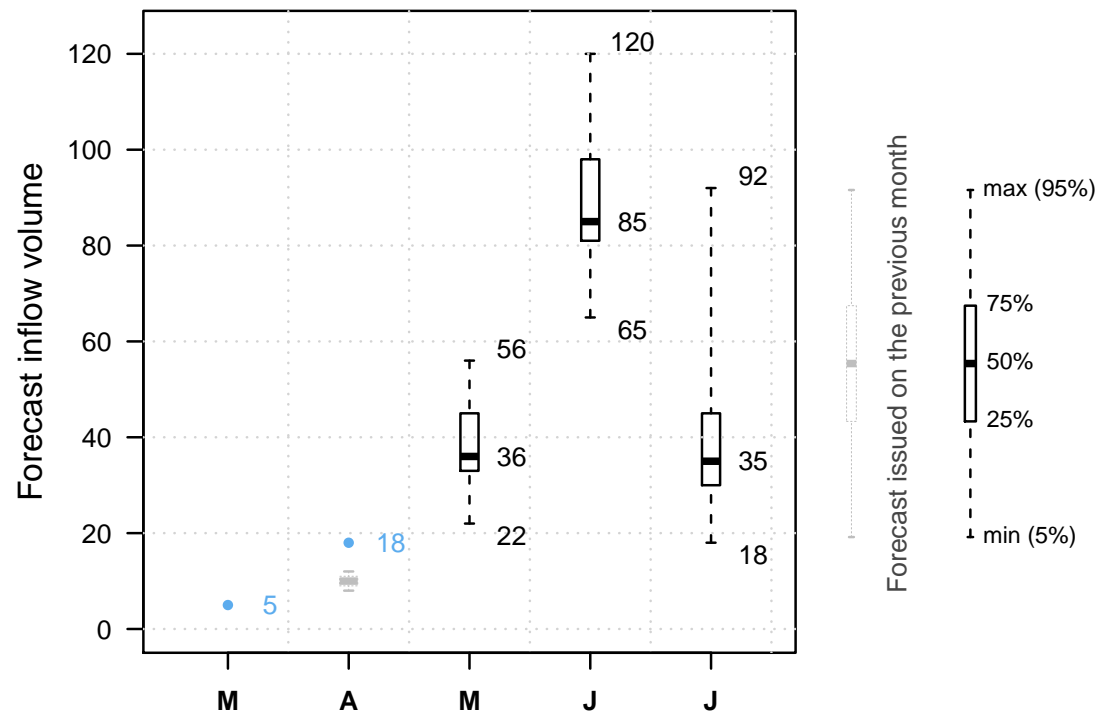


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

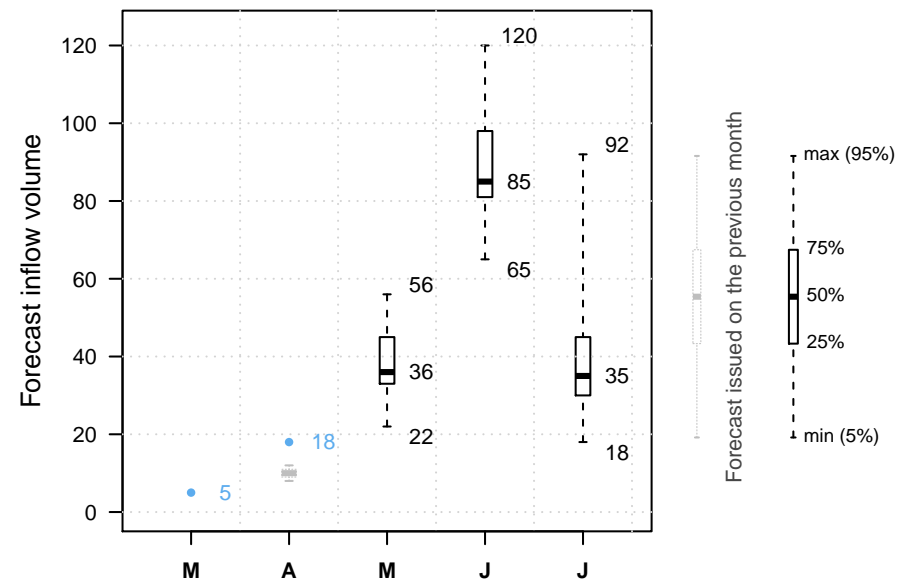
Previous decisions: C



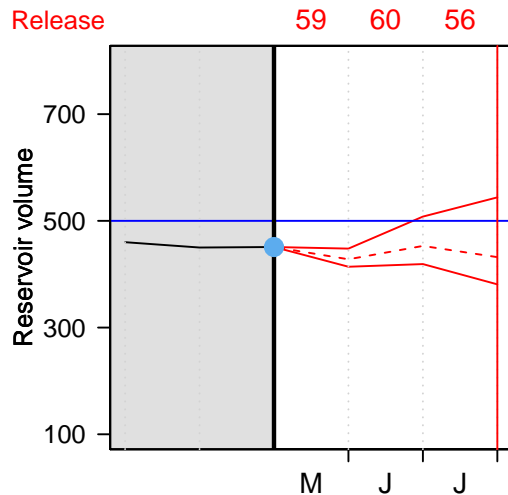
It is May 1st.

And our volunteer?

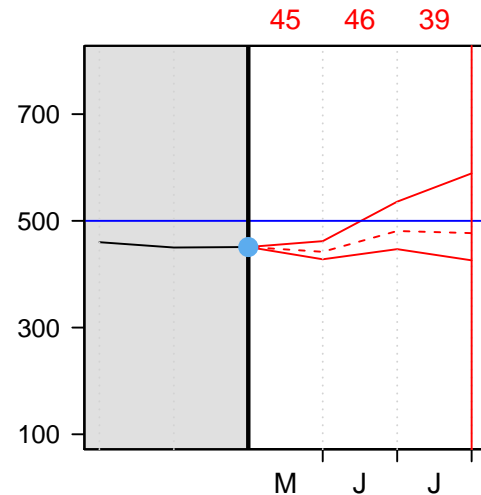
Let's see which release option our volunteer will choose.



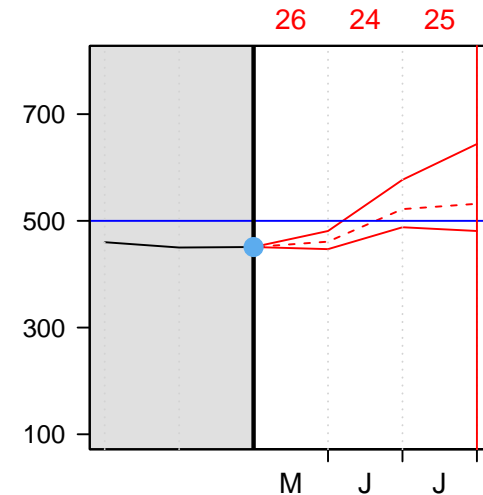
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was: 55  $Mm^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume + 55  $Mm^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $59 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 59 \text{ Mm}^3 = 447 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

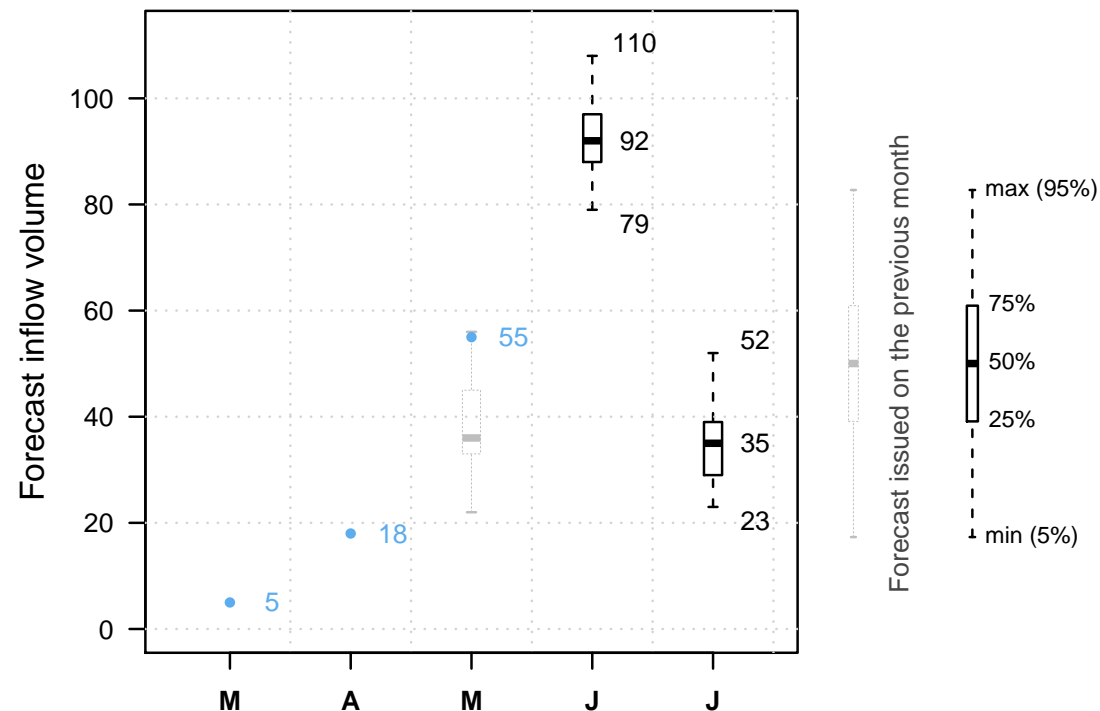


It is June 1st.

The reservoir is at 447  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

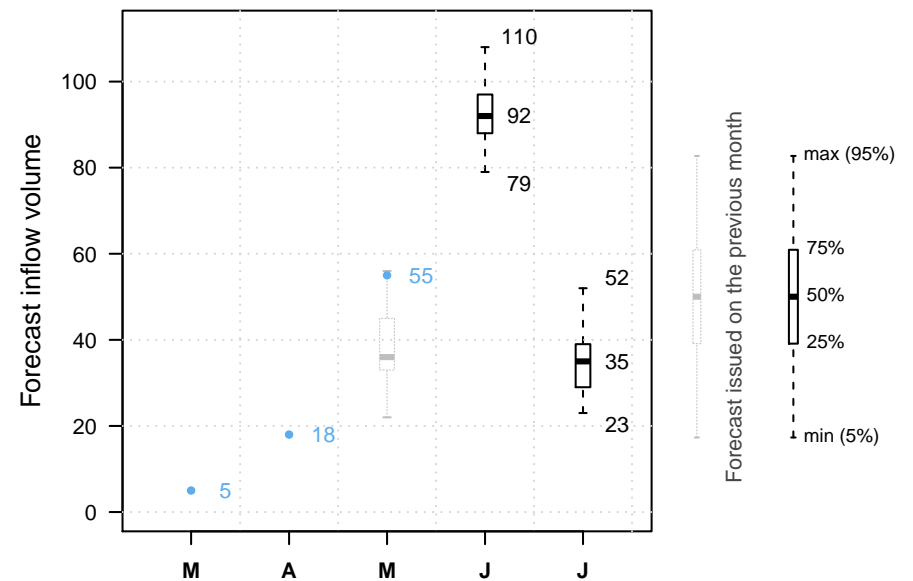
Previous decisions: C A



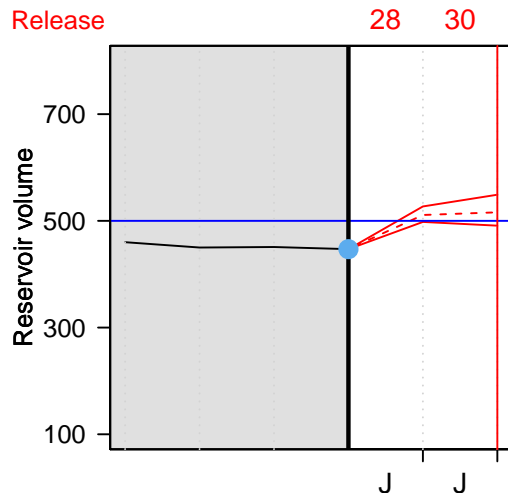
It is June 1st.

And our volunteer?

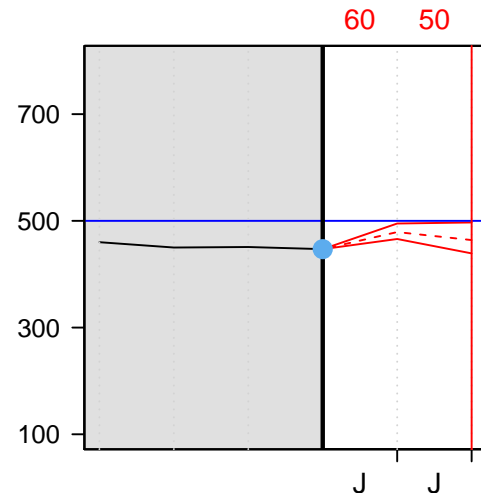
Let's see which release option our volunteer will choose.



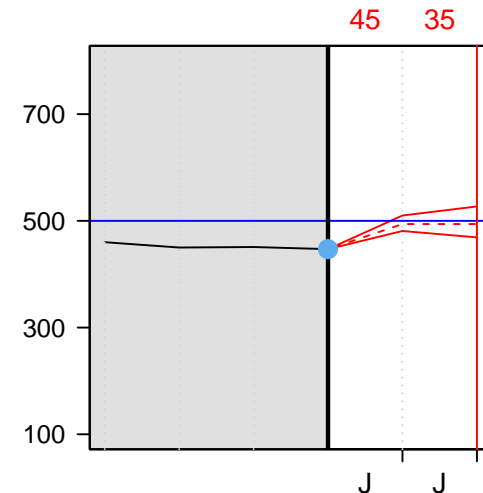
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$447 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 522 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

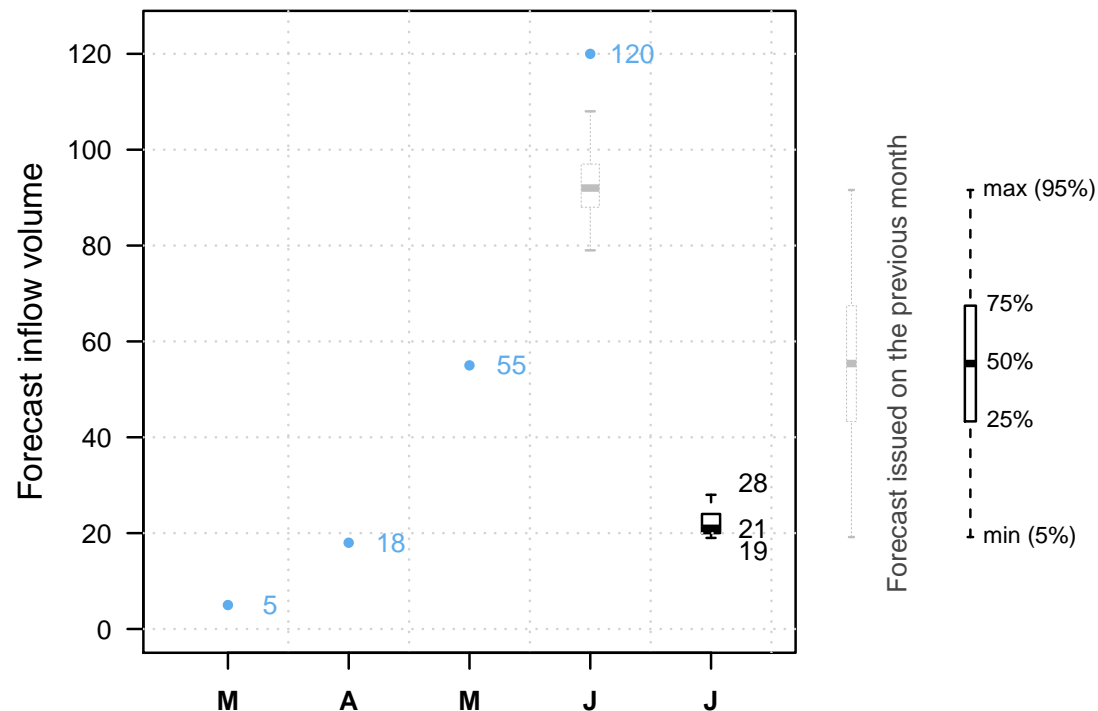


It is July 1st.

The reservoir is at  $522 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

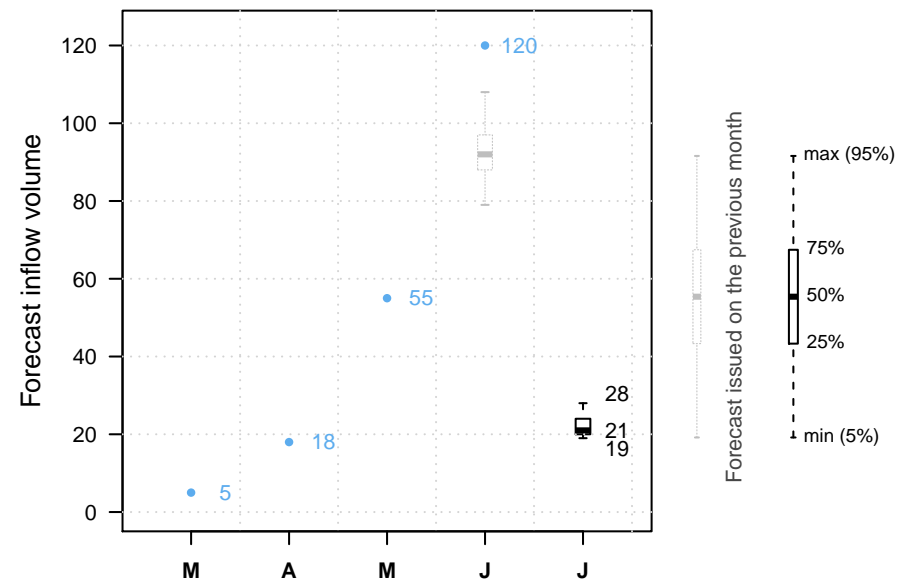
Previous decisions: C A C



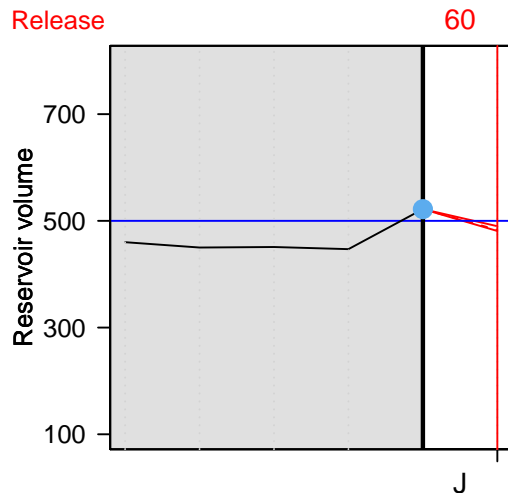
It is July 1st.

And our volunteer?

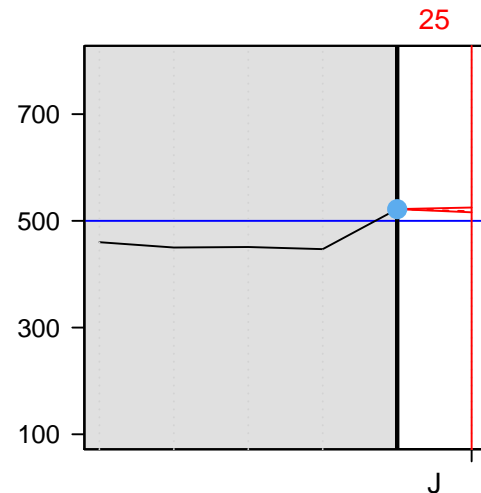
Let's see which release option our volunteer will choose.



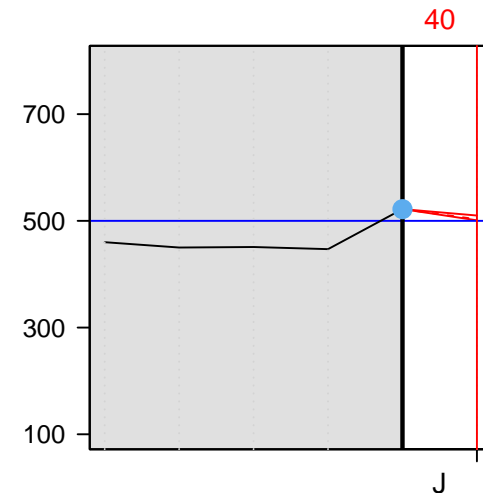
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$522 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 504 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

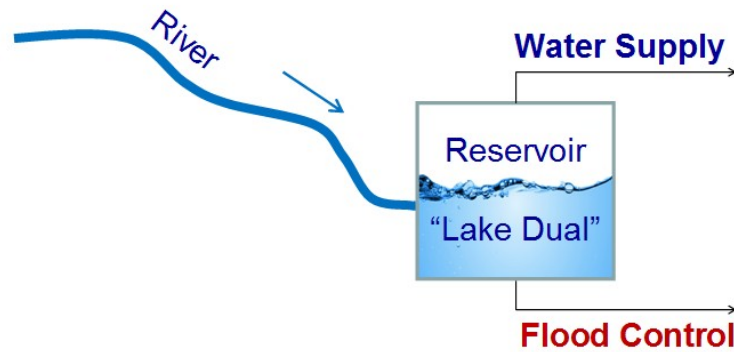
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



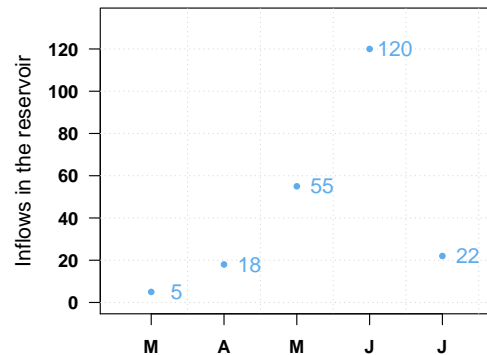
Swof Town



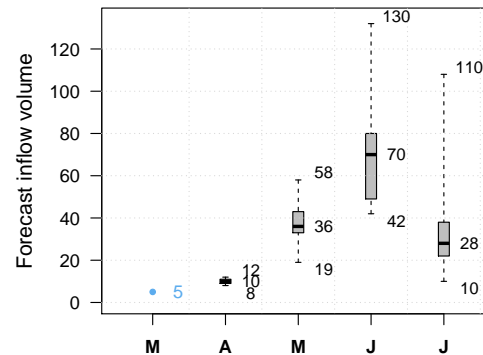
Safe Town



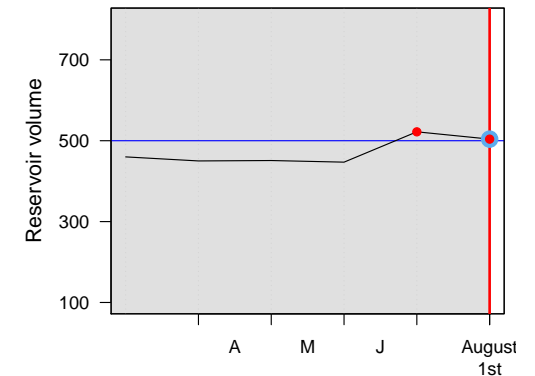
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

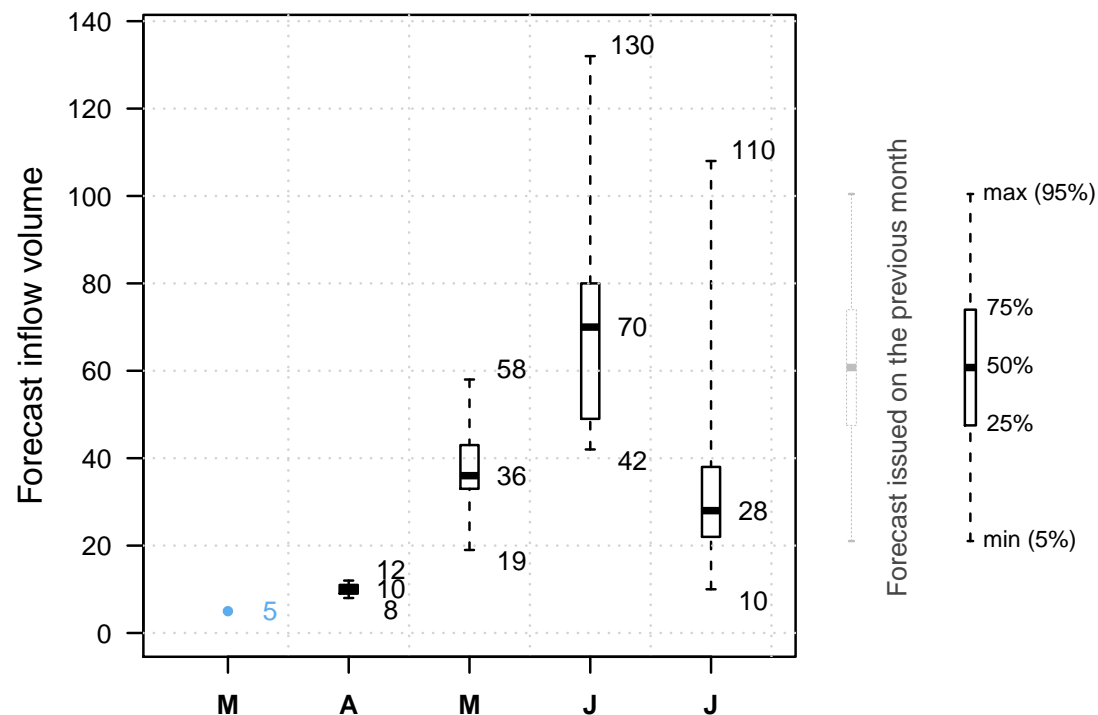


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

**NEXT**

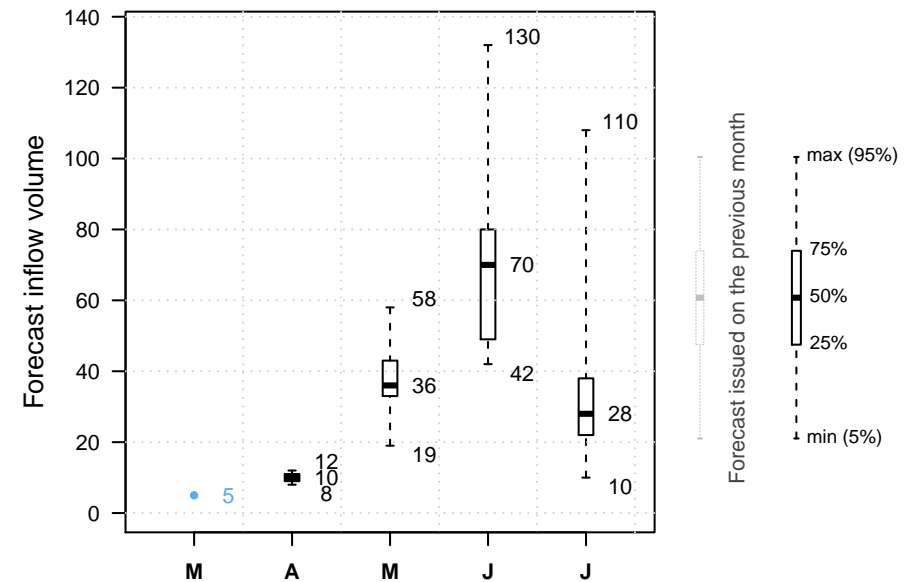




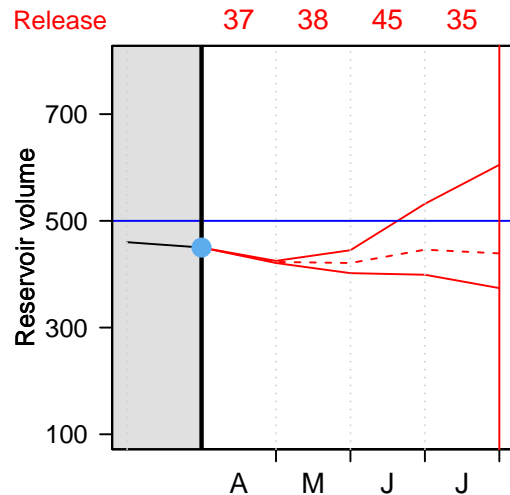
It is April 1st.

And our volunteer?

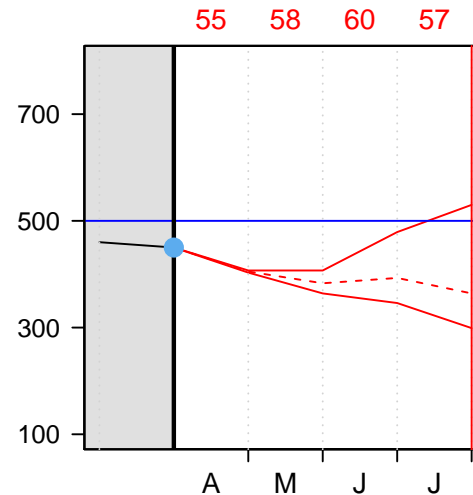
Let's see which release option our volunteer will choose.



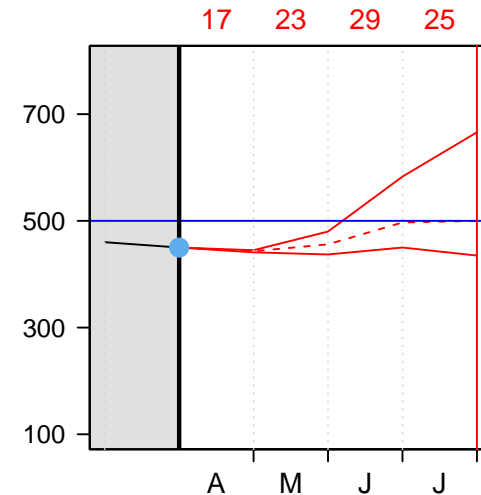
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

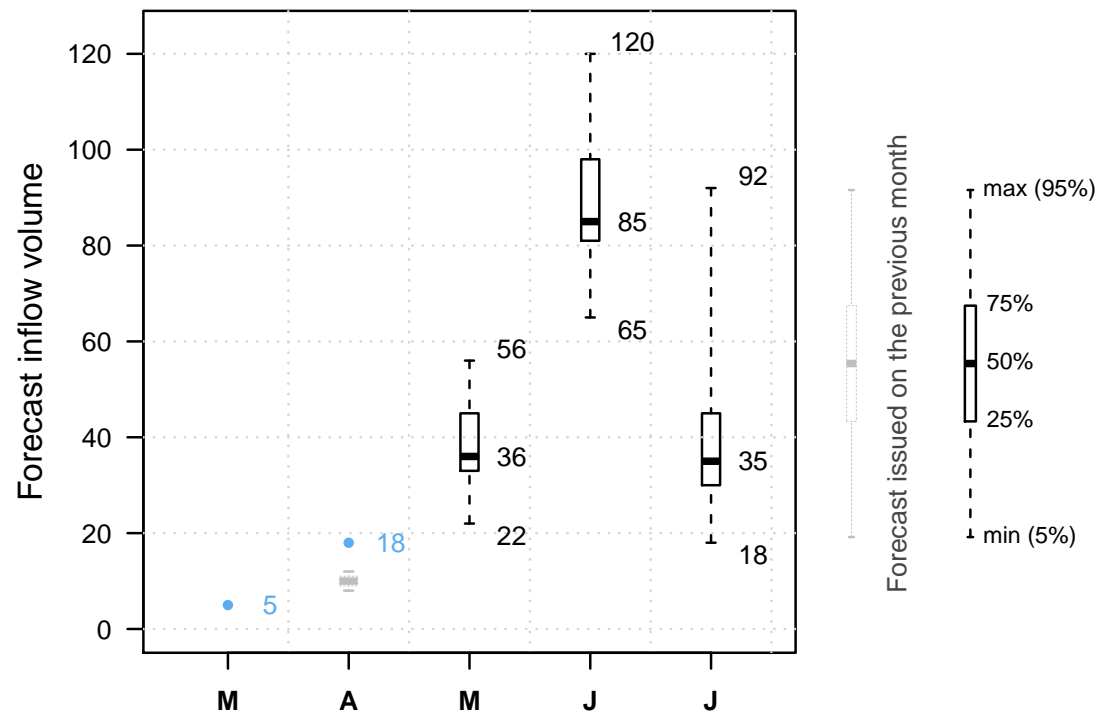


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

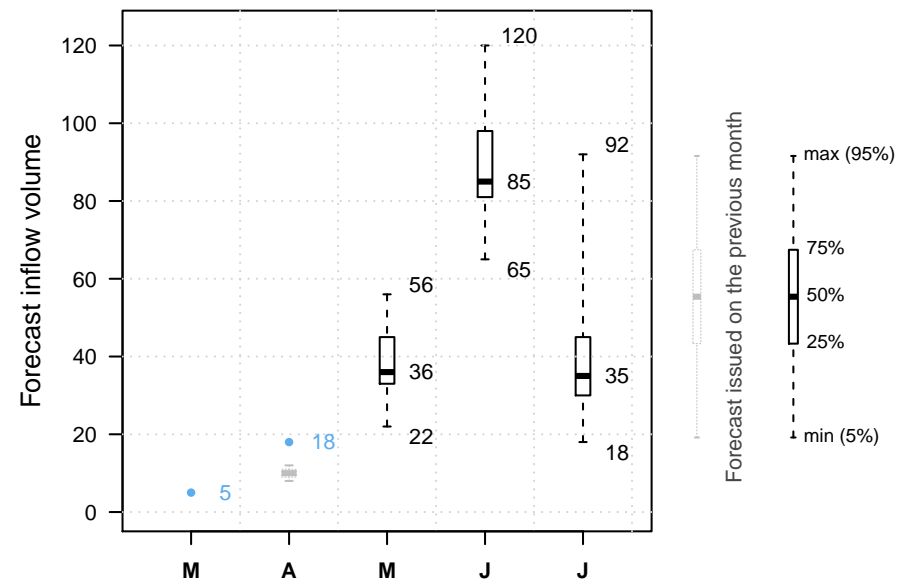
Previous decisions: A



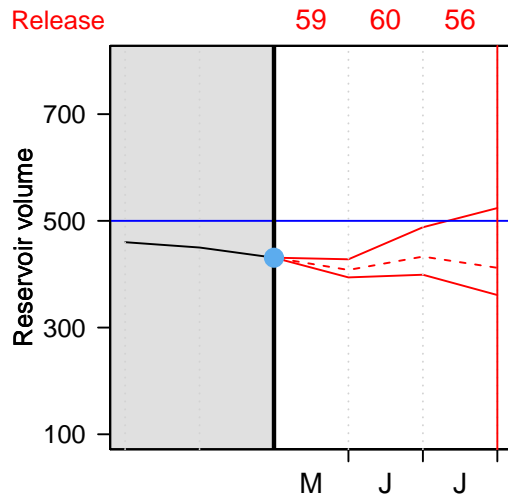
It is May 1st.

And our volunteer?

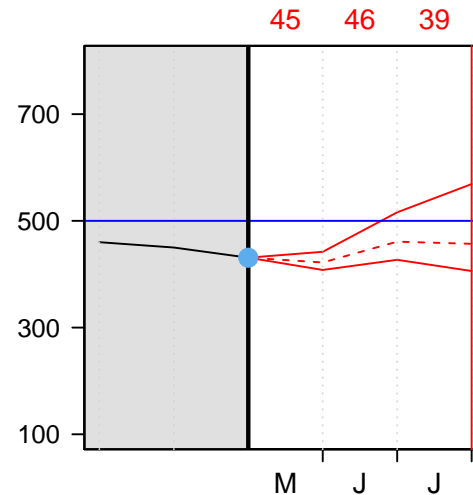
Let's see which release option our volunteer will choose.



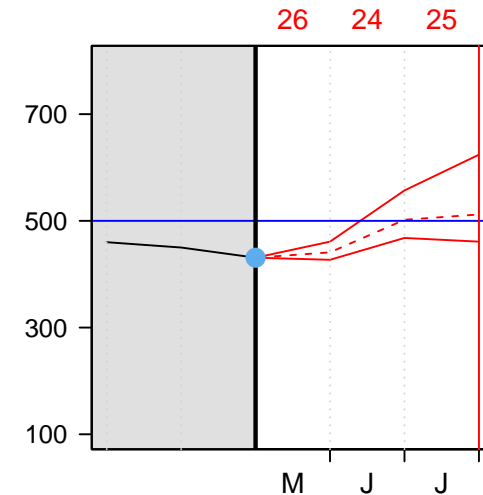
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 441 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

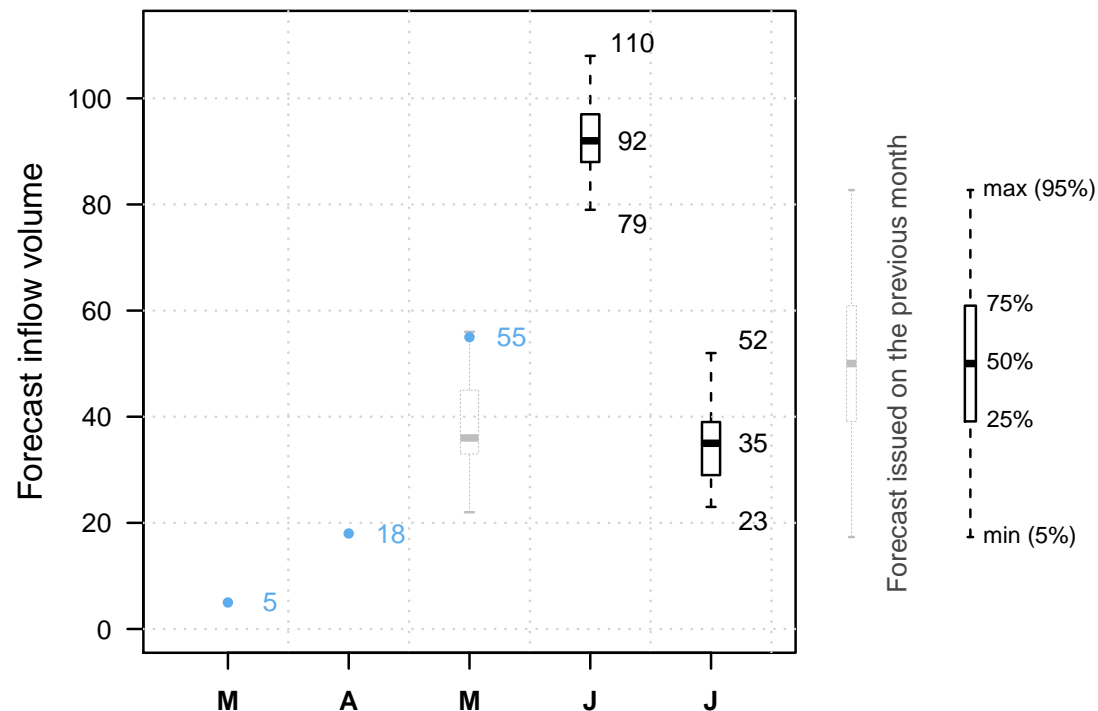


It is June 1st.

The reservoir is at 441  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

NEXT



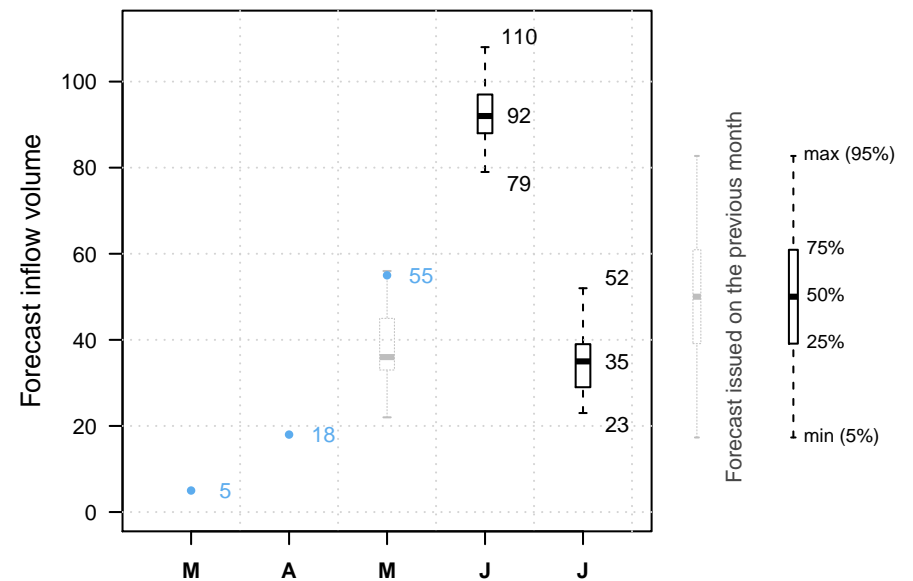
Previous decisions: A B



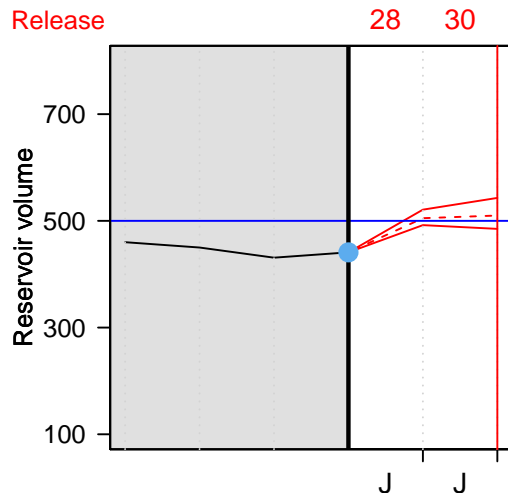
It is June 1st.

And our volunteer?

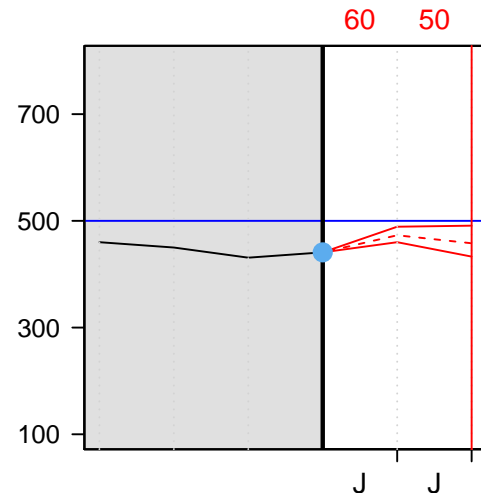
Let's see which release option our volunteer will choose.



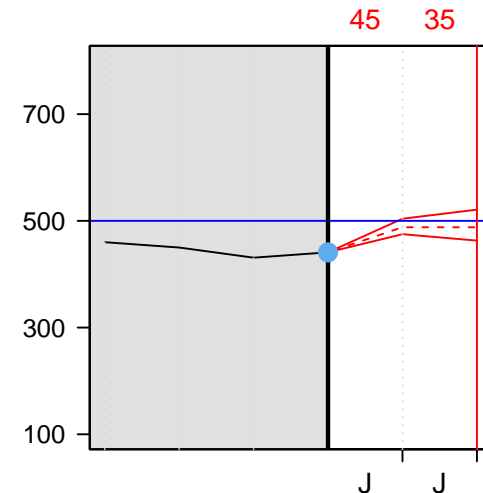
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$441 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 516 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

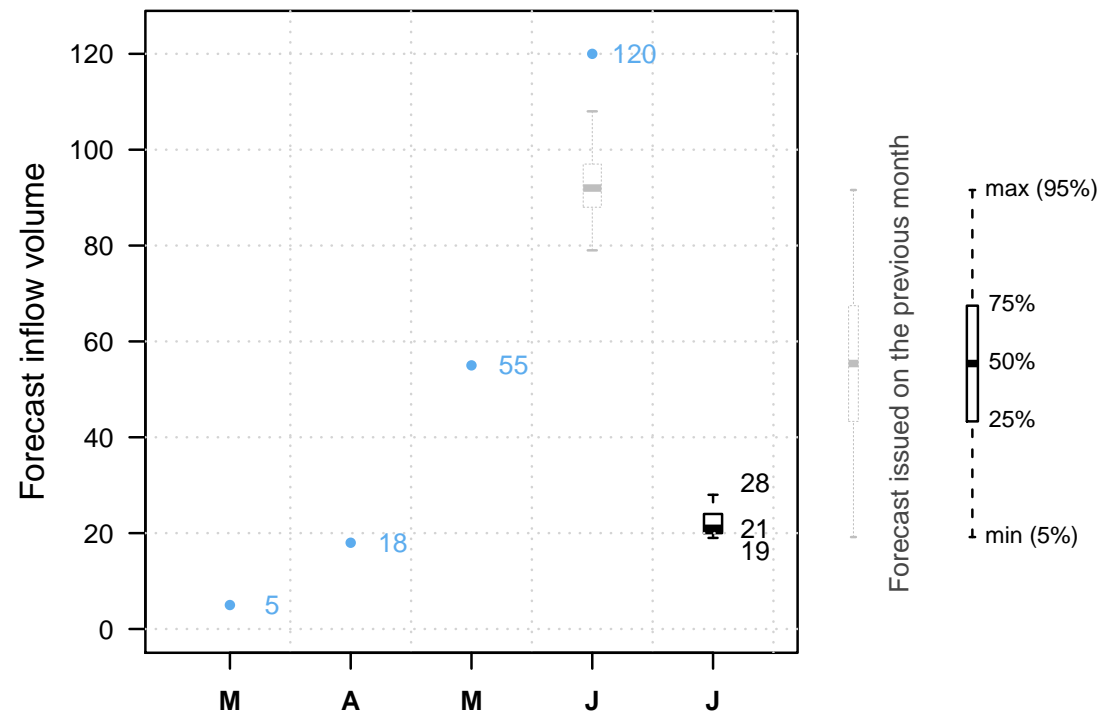


It is July 1st.

The reservoir is at  $516 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

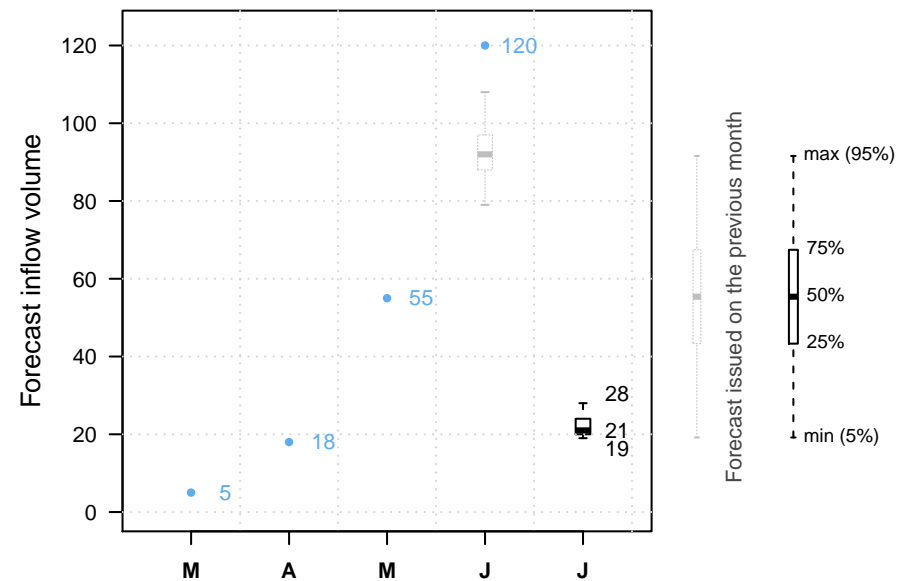
Previous decisions: A B C



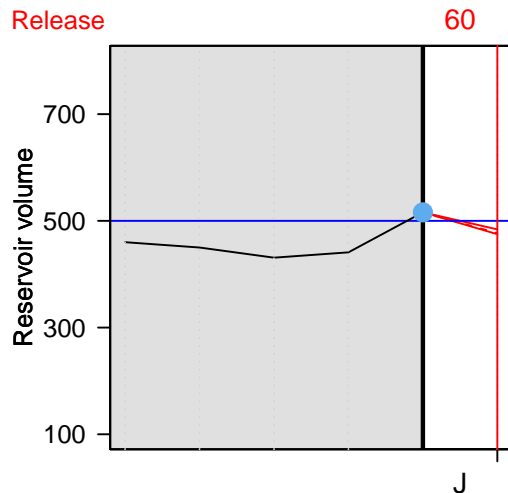
It is July 1st.

And our volunteer?

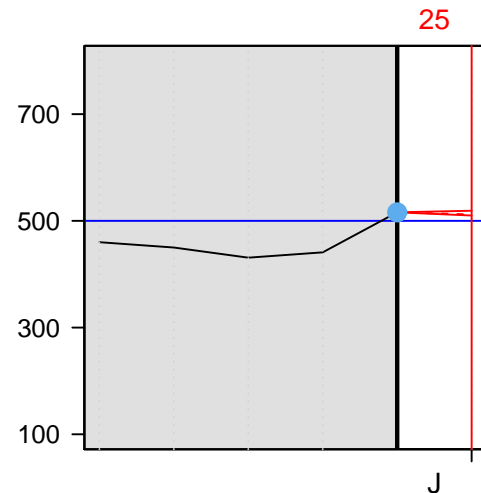
Let's see which release option our volunteer will choose.



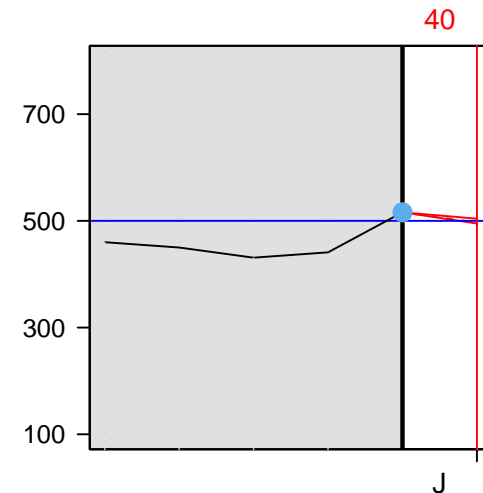
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$516 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

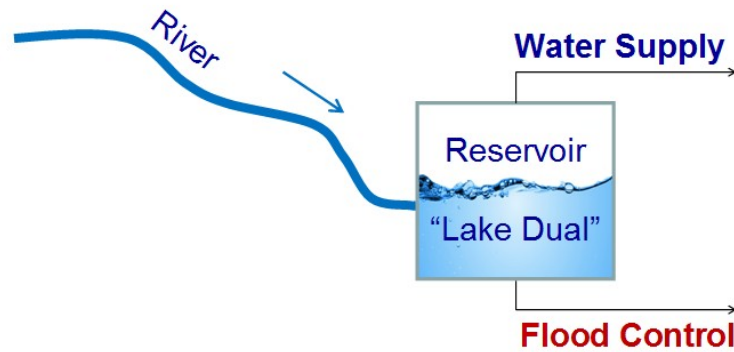
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



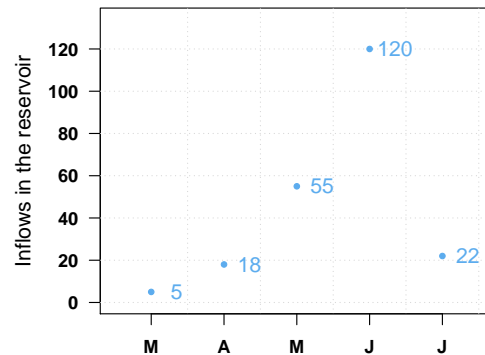
Swof Town



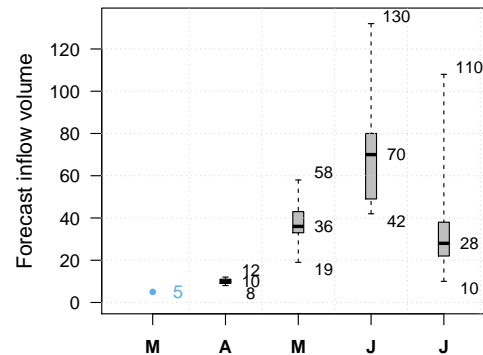
Safe Town



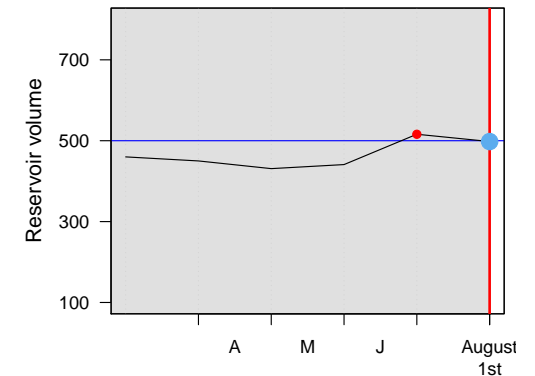
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?



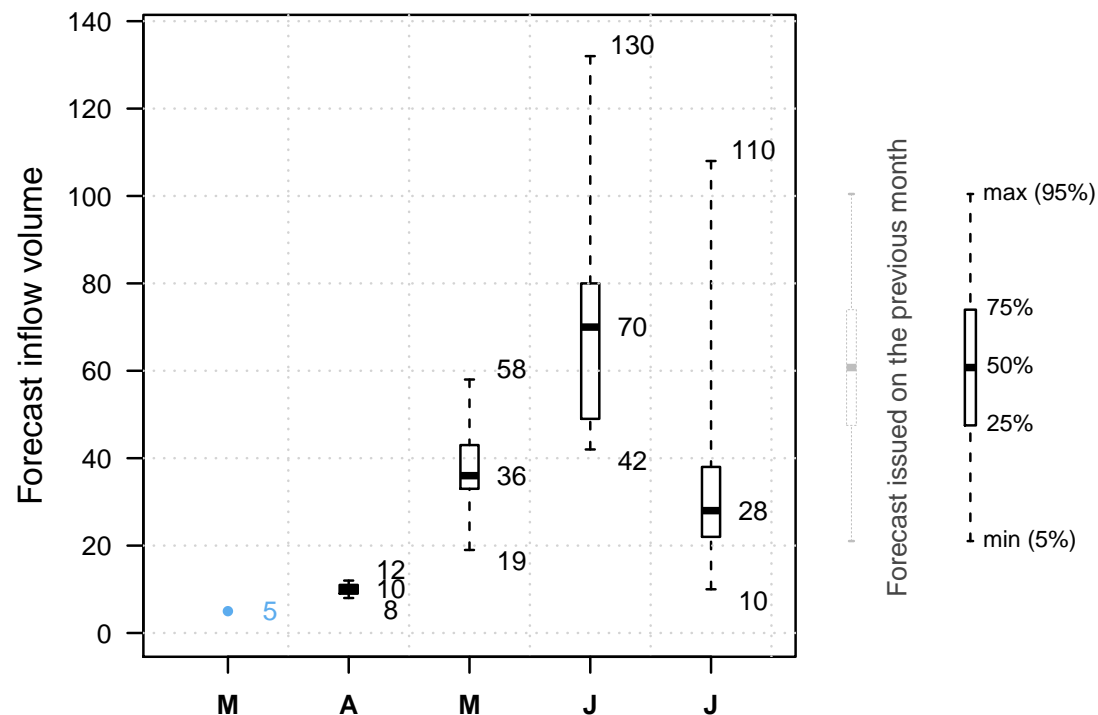


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

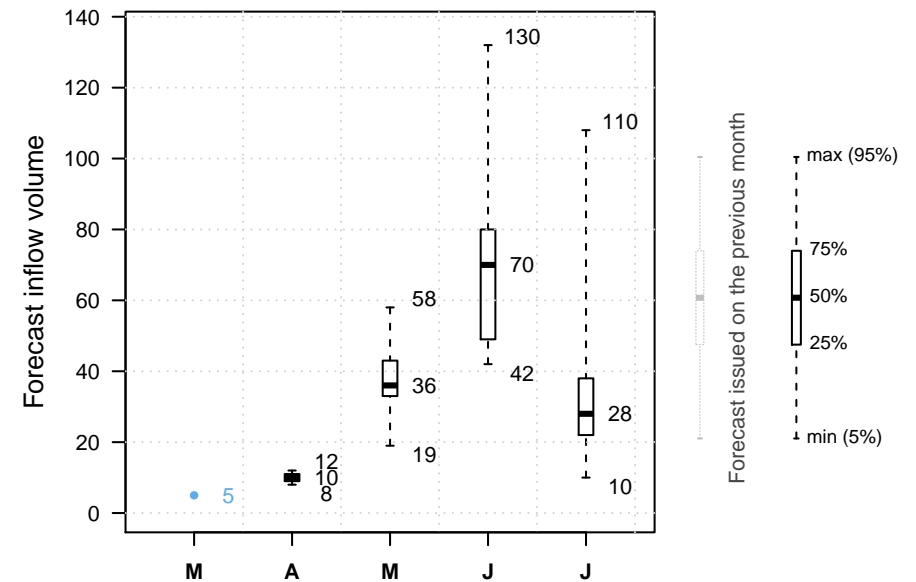
NEXT



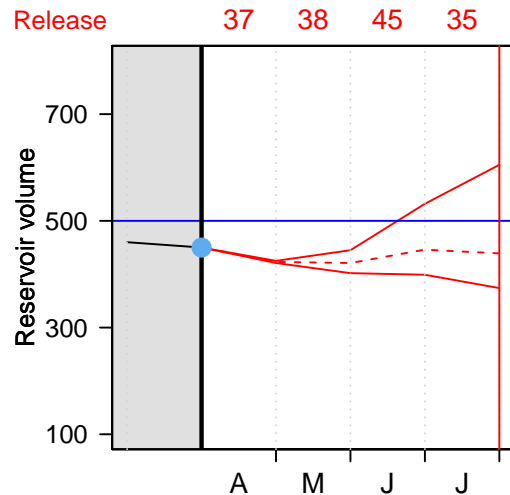
It is April 1st.

And our volunteer?

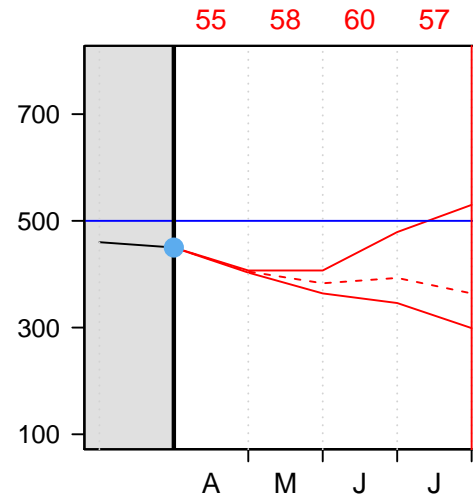
Let's see which release option our volunteer will choose.



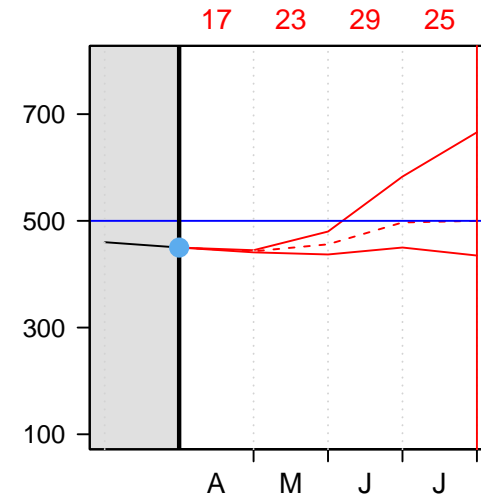
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

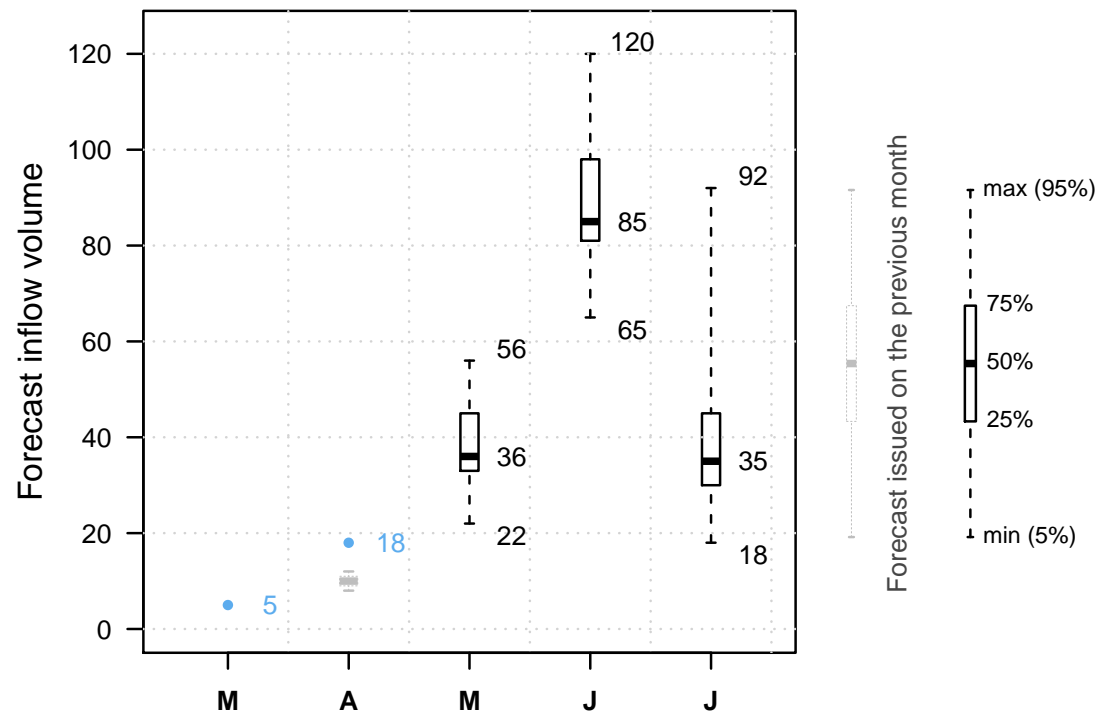


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

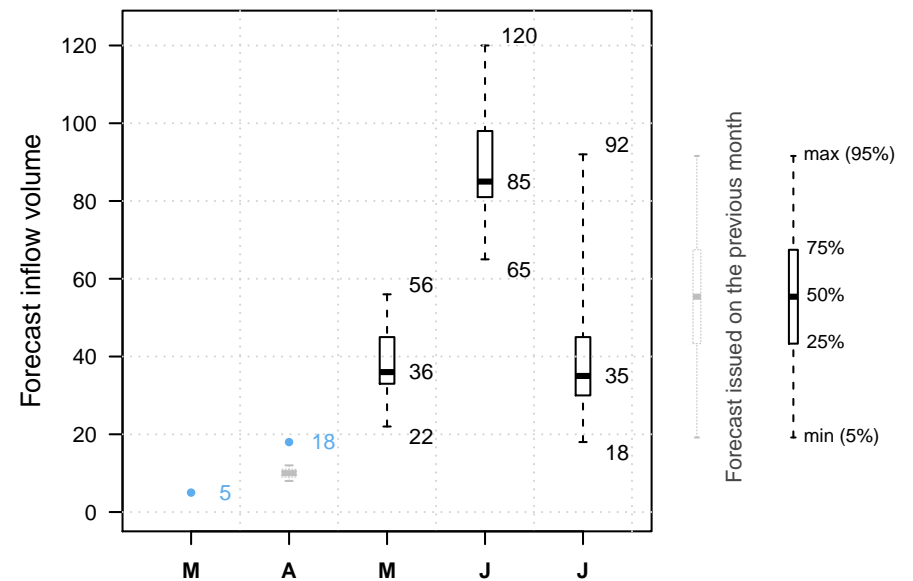
Previous decisions: B



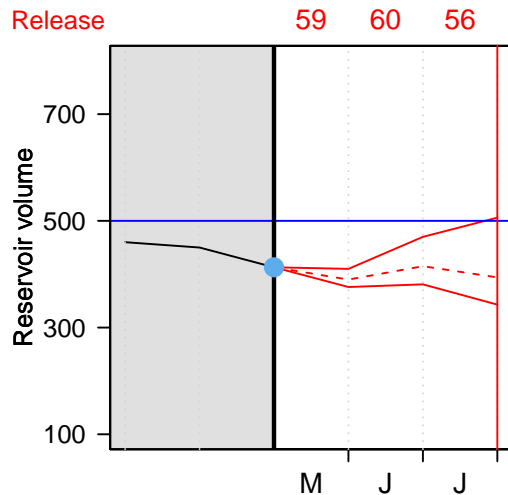
It is May 1st.

And our volunteer?

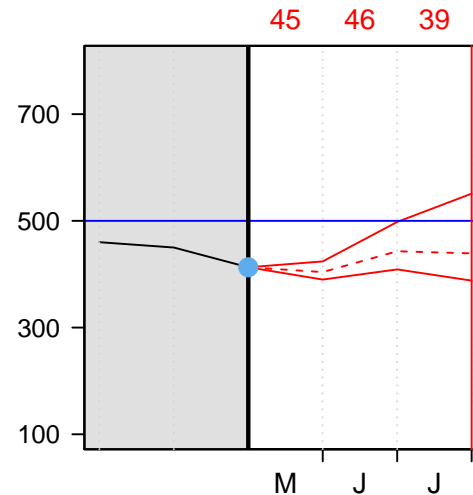
Let's see which release option our volunteer will choose.



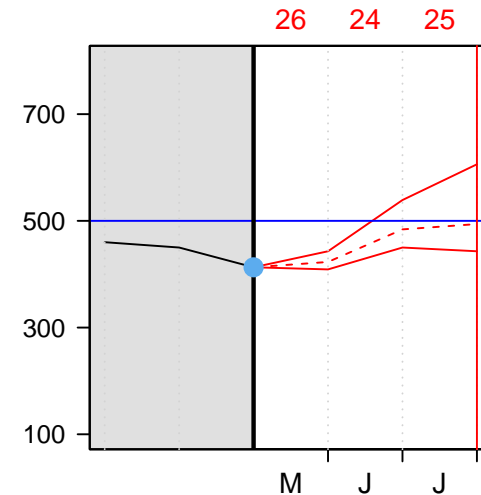
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 423 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



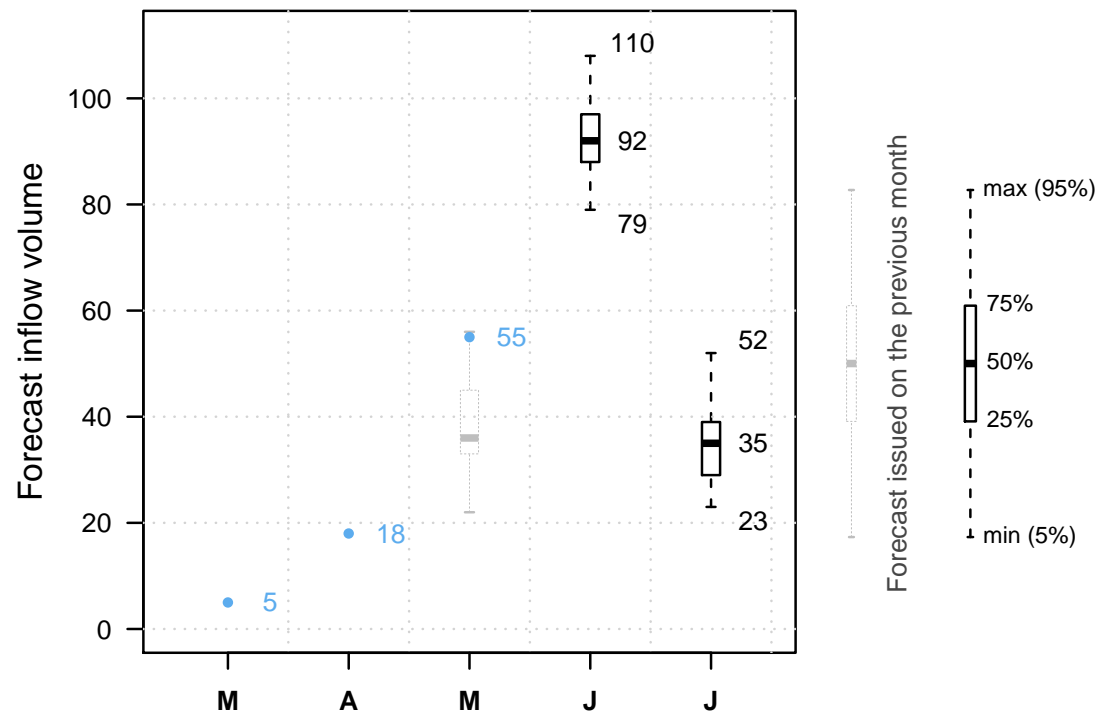


It is June 1st.

The reservoir is at  $423 \text{ } Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

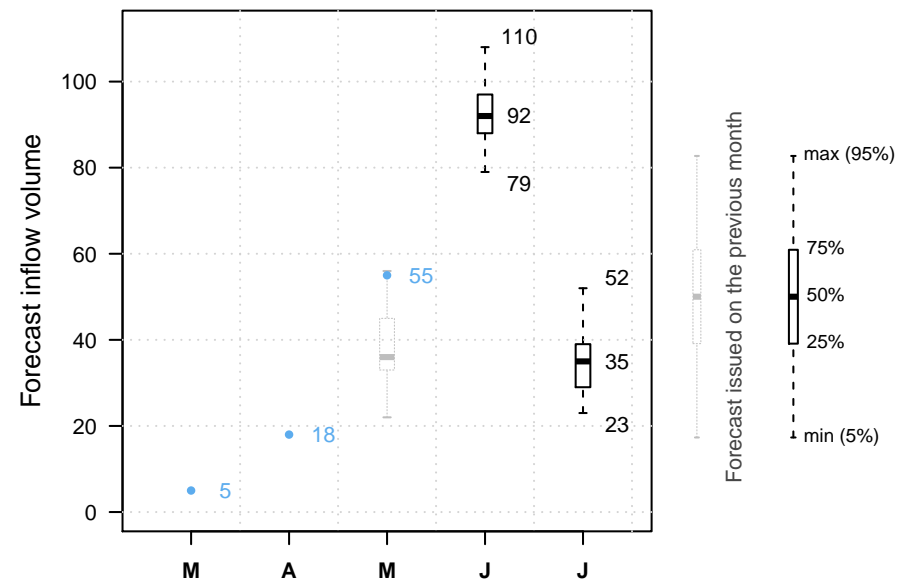
Previous decisions: B B



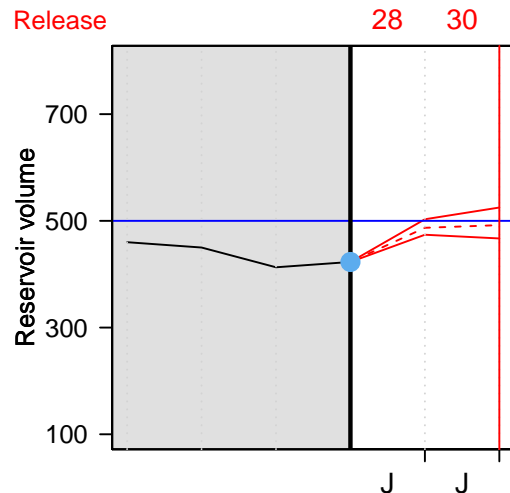
It is June 1st.

And our volunteer?

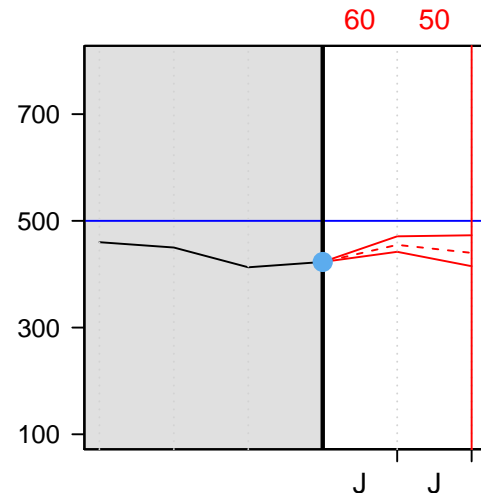
Let's see which release option our volunteer will choose.



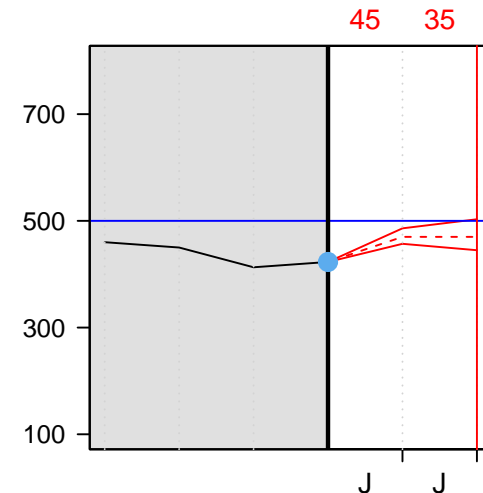
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$423 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 498 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

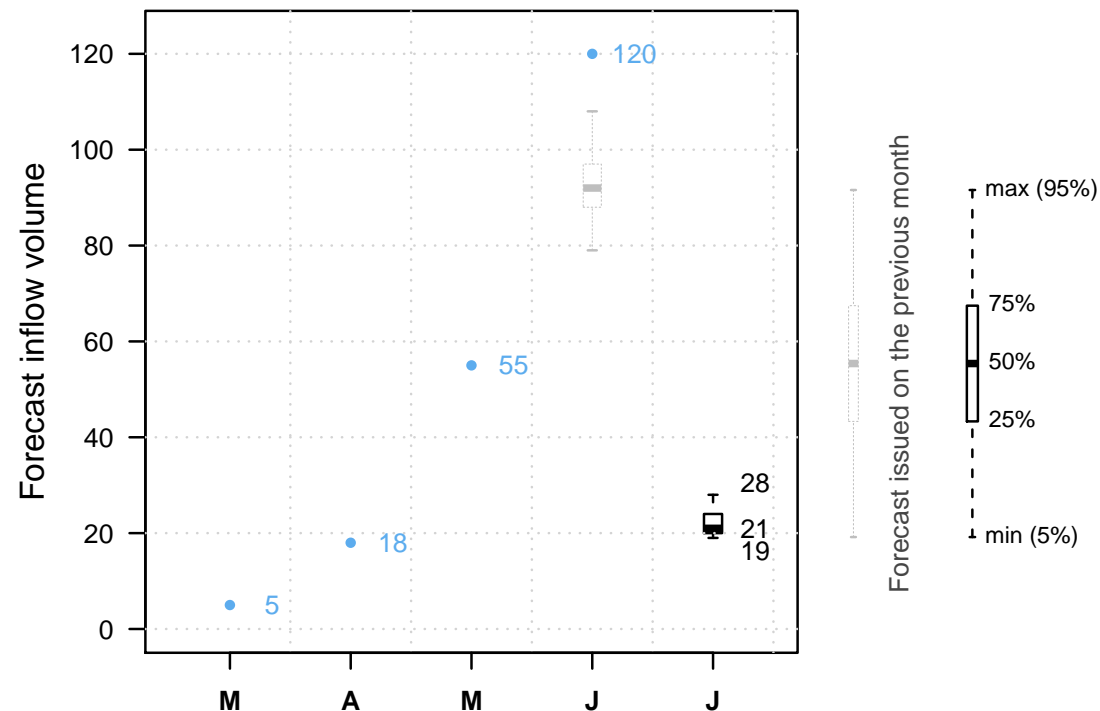


It is July 1st.

The reservoir is at 498  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

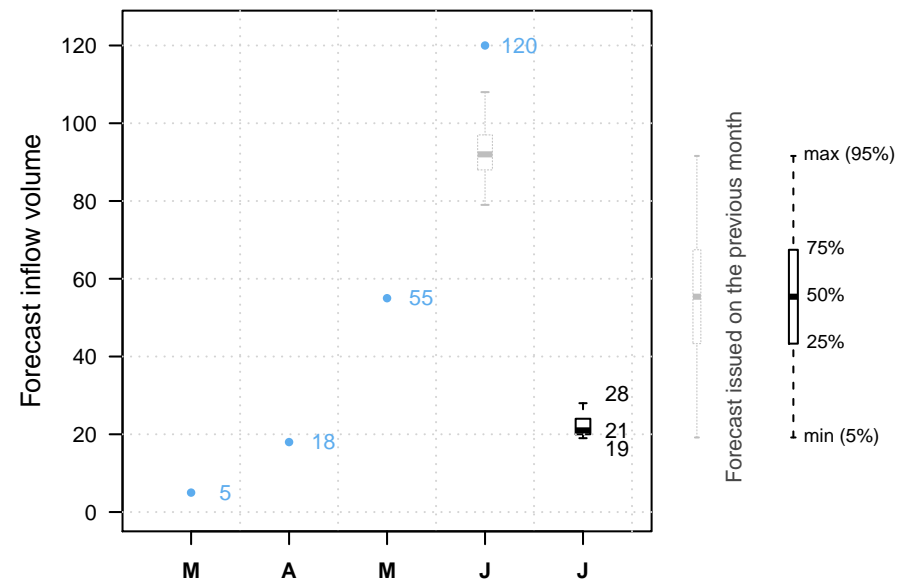
Previous decisions: B B C



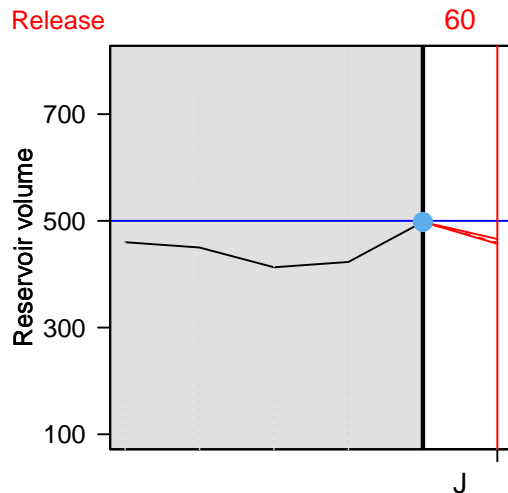
It is July 1st.

And our volunteer?

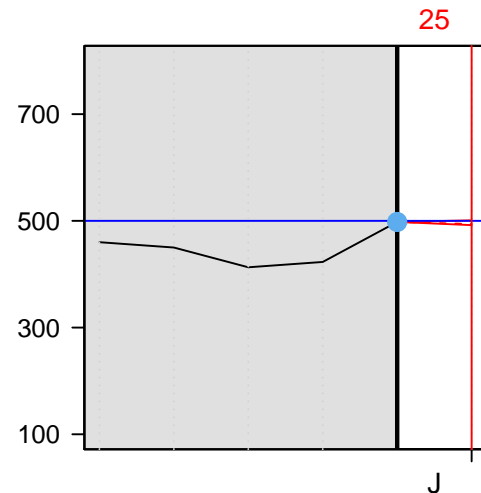
Let's see which release option our volunteer will choose.



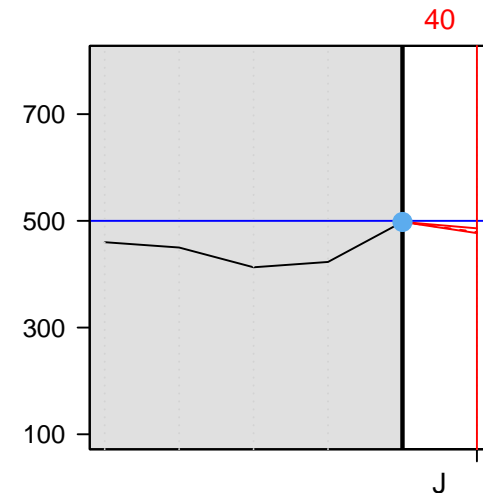
Option A



Option B



Option C



- Current reservoir volume
- Reservoir volume assuming inflow is median forecast
- Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$498 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

NEXT

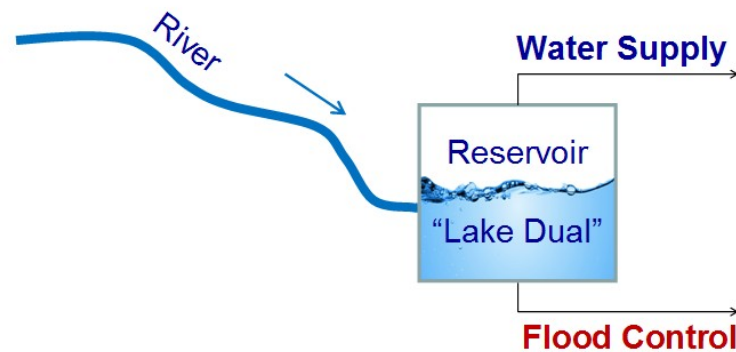
---



# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



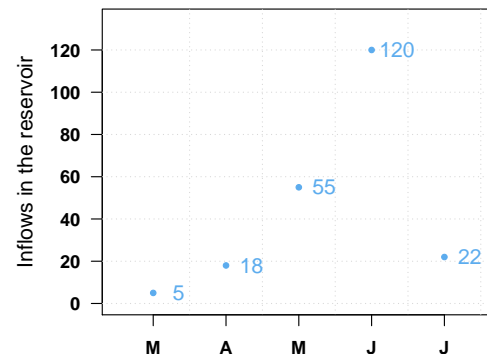
Swof Town



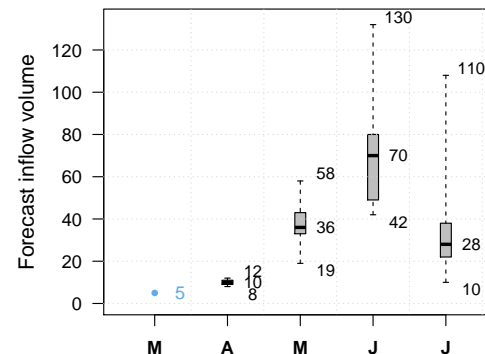
Safe Town



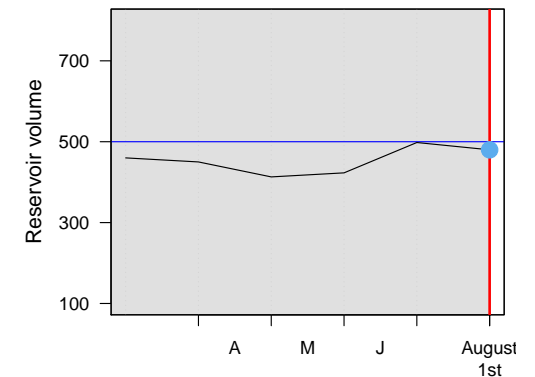
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

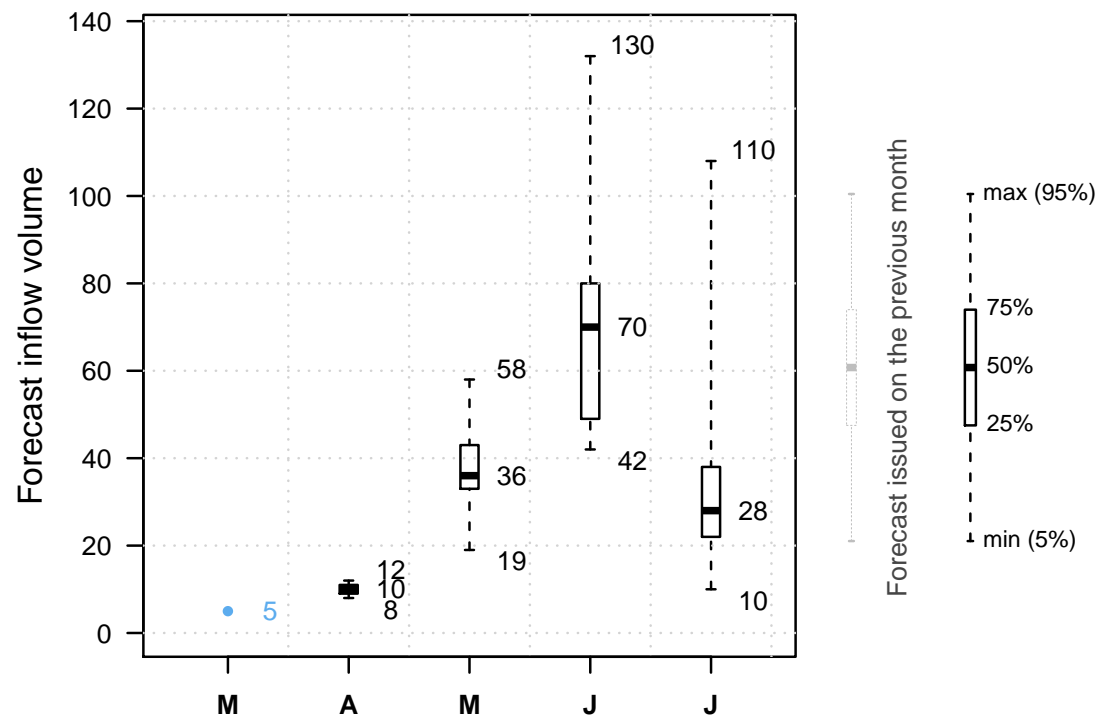


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

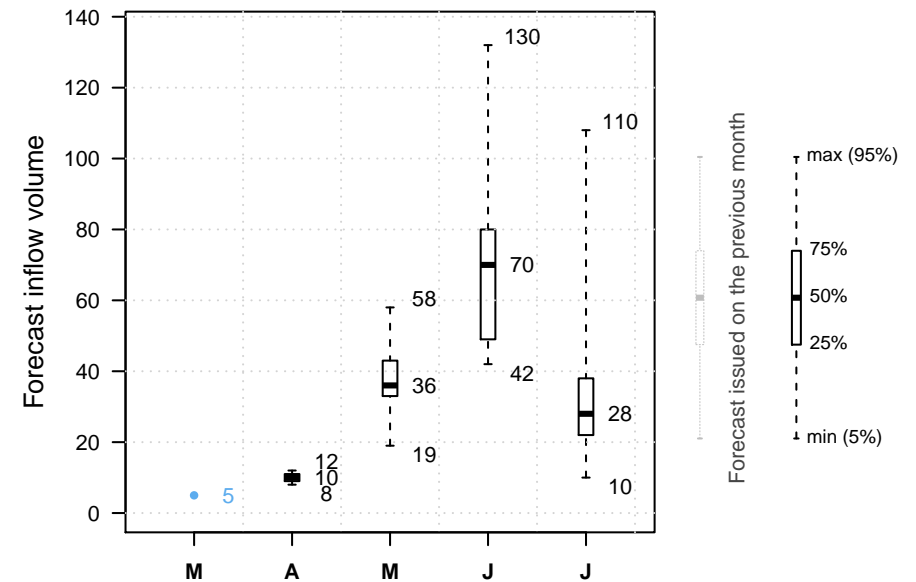
NEXT



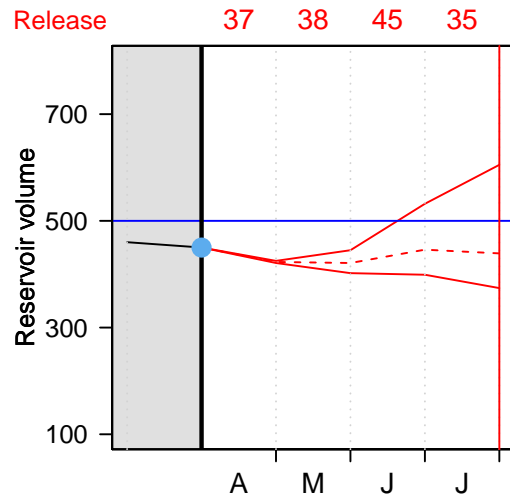
It is April 1st.

And our volunteer?

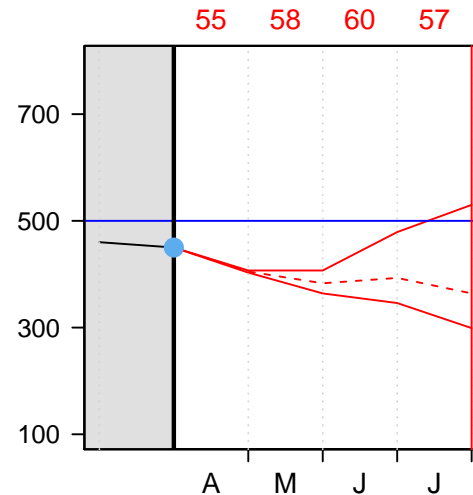
Let's see which release option our volunteer will choose.



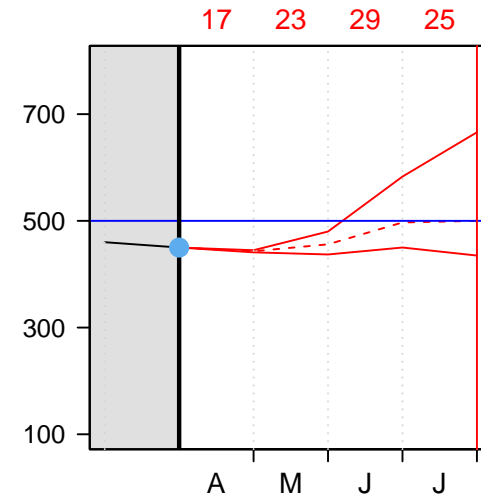
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

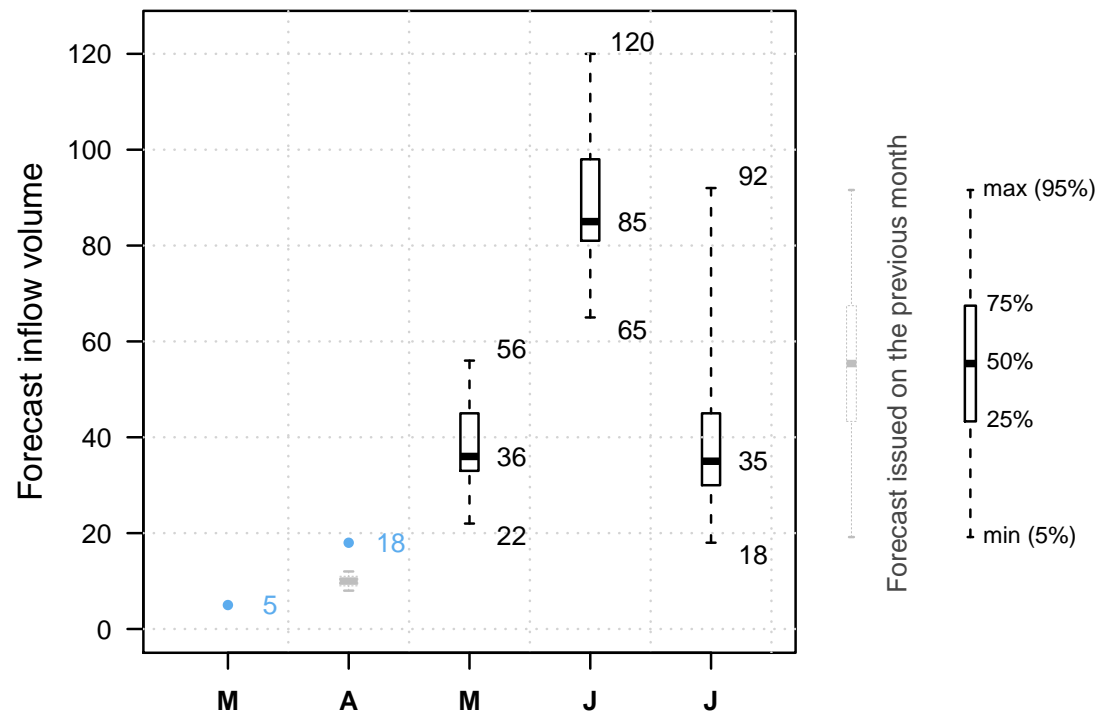


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

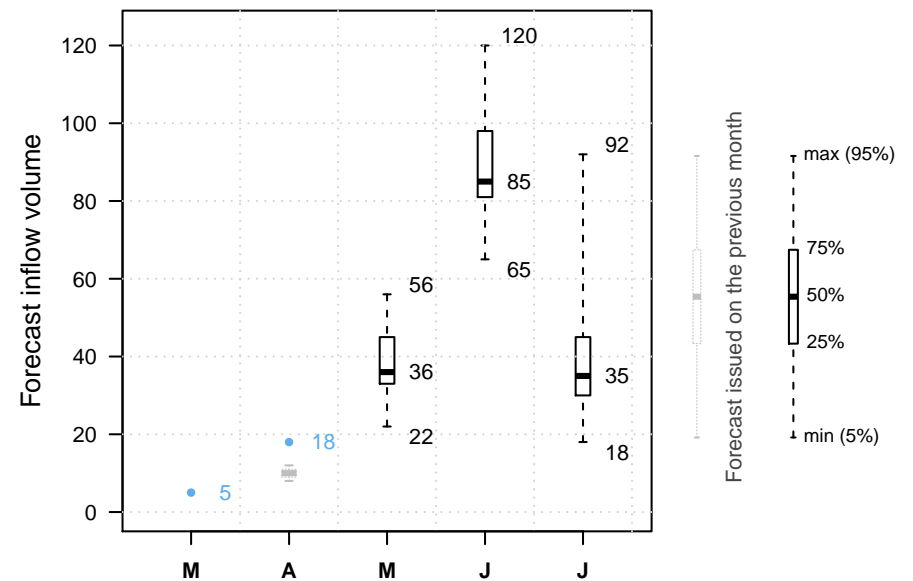
Previous decisions: C



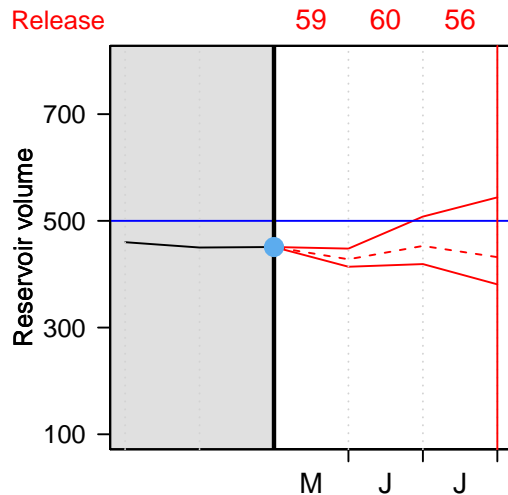
It is May 1st.

And our volunteer?

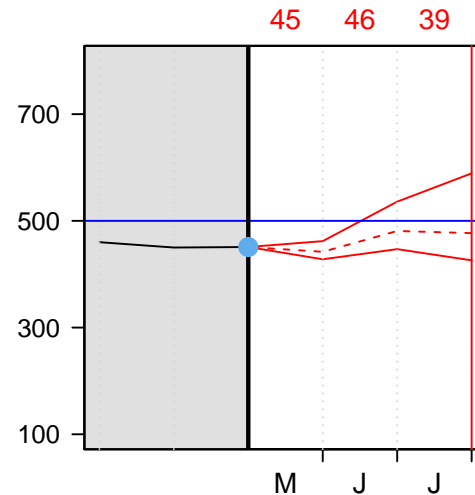
Let's see which release option our volunteer will choose.



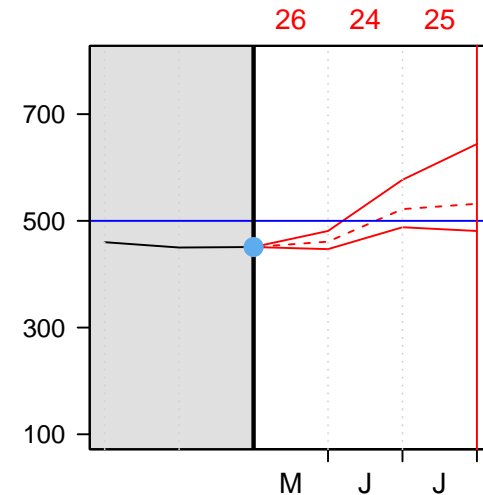
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $45 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 45 \text{ Mm}^3 = 461 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

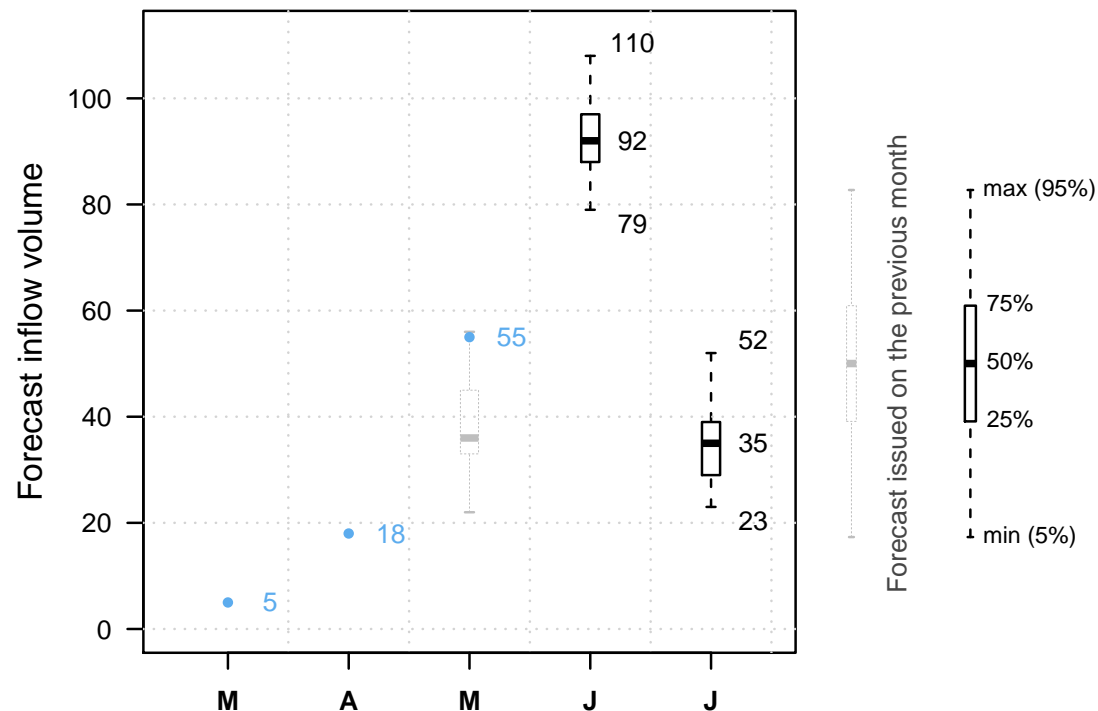


It is June 1st.

The reservoir is at 461  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

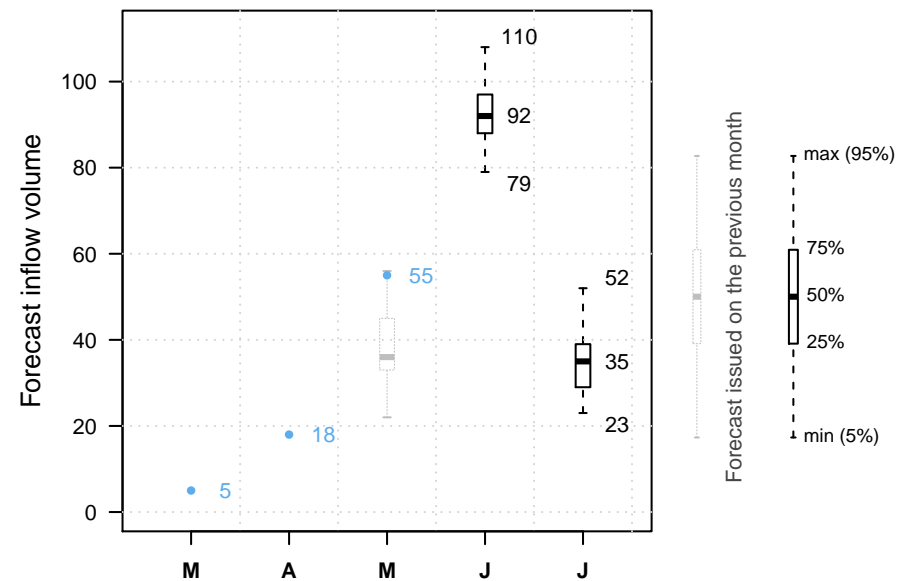
Previous decisions: C B



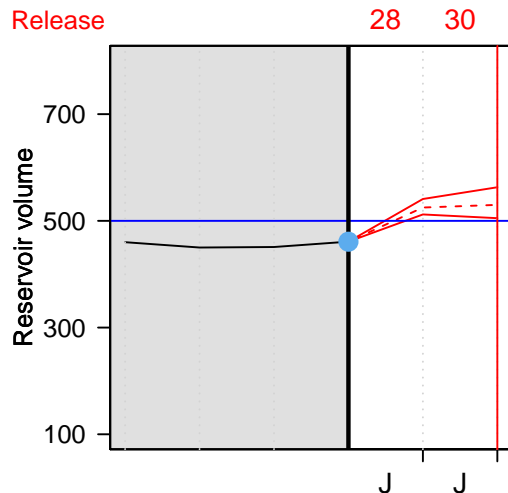
It is June 1st.

And our volunteer?

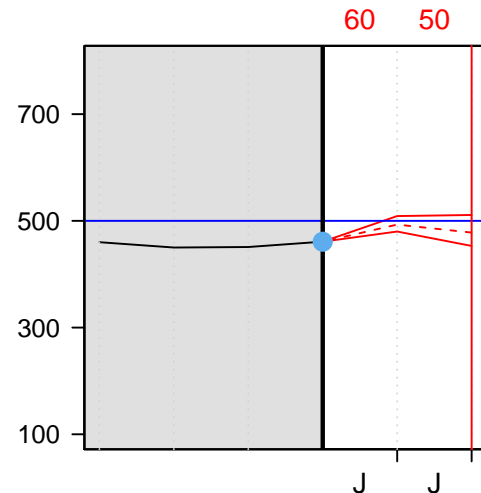
Let's see which release option our volunteer will choose.



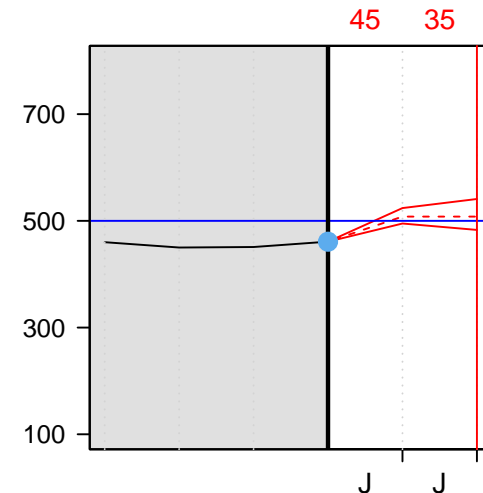
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$461 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 536 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

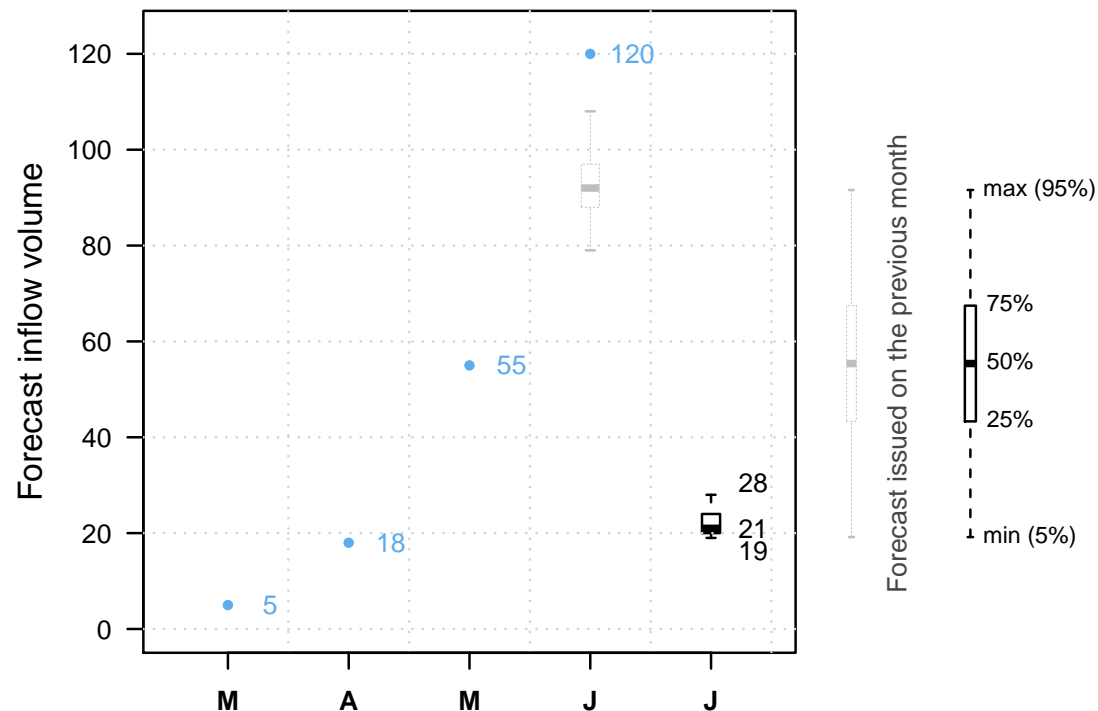


It is July 1st.

The reservoir is at  $536 \text{ } Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

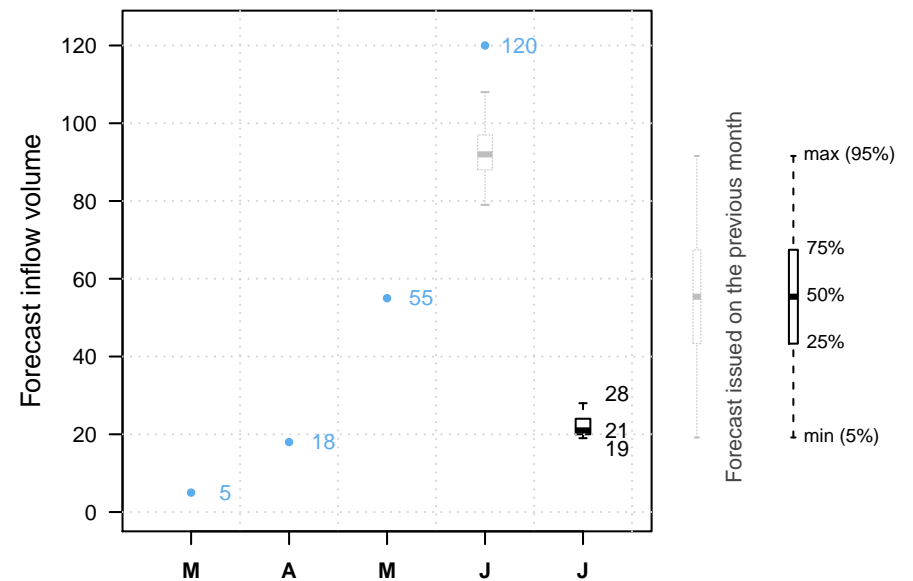
Previous decisions: C B C



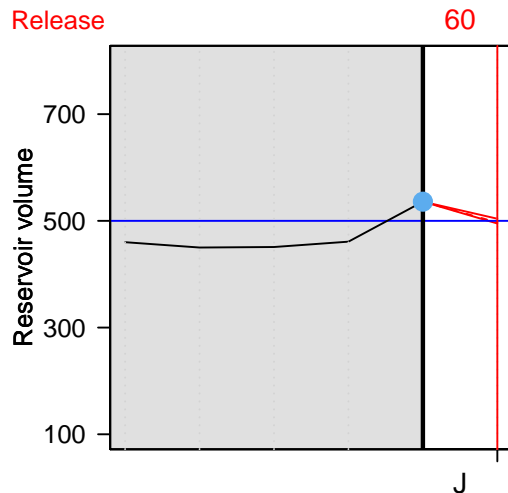
It is July 1st.

And our volunteer?

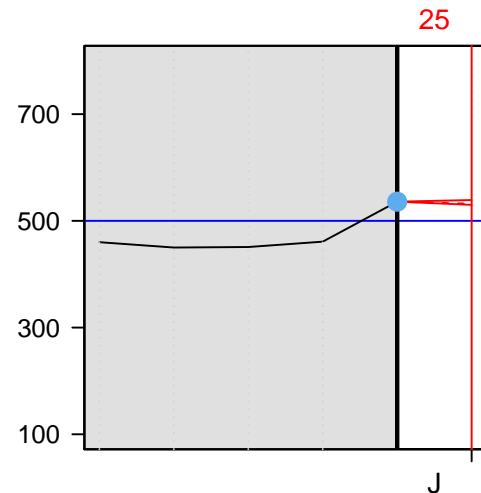
Let's see which release option our volunteer will choose.



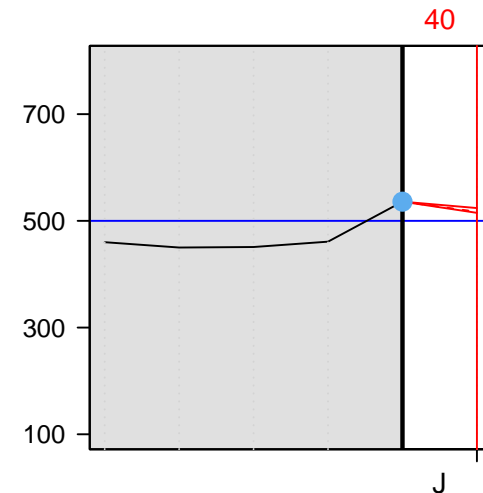
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$536 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 518 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

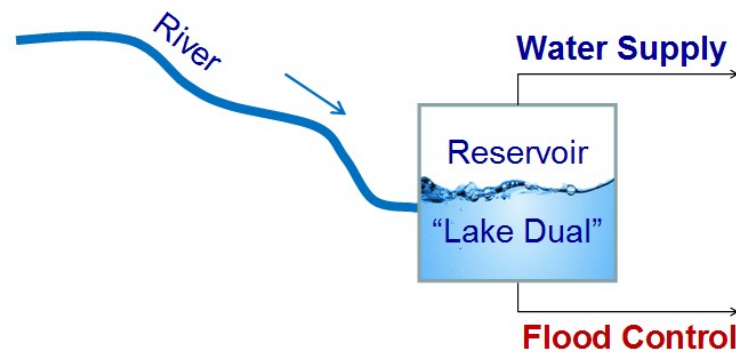
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



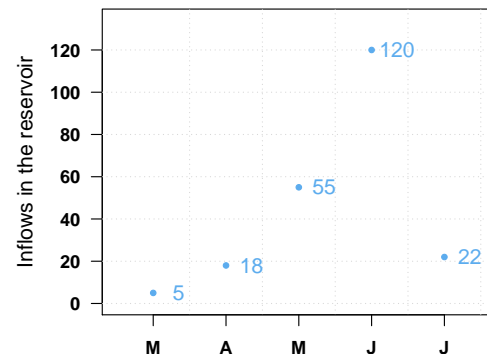
Swof Town



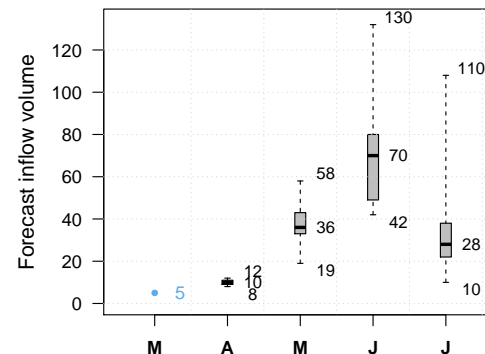
Safe Town



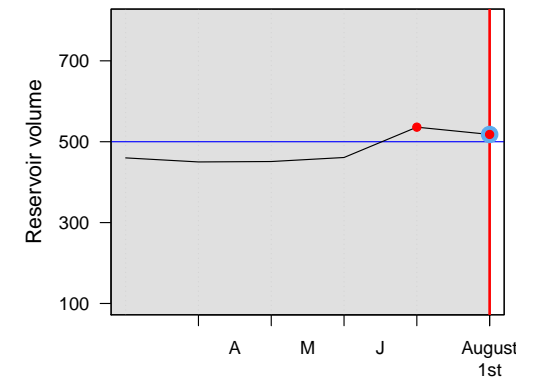
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

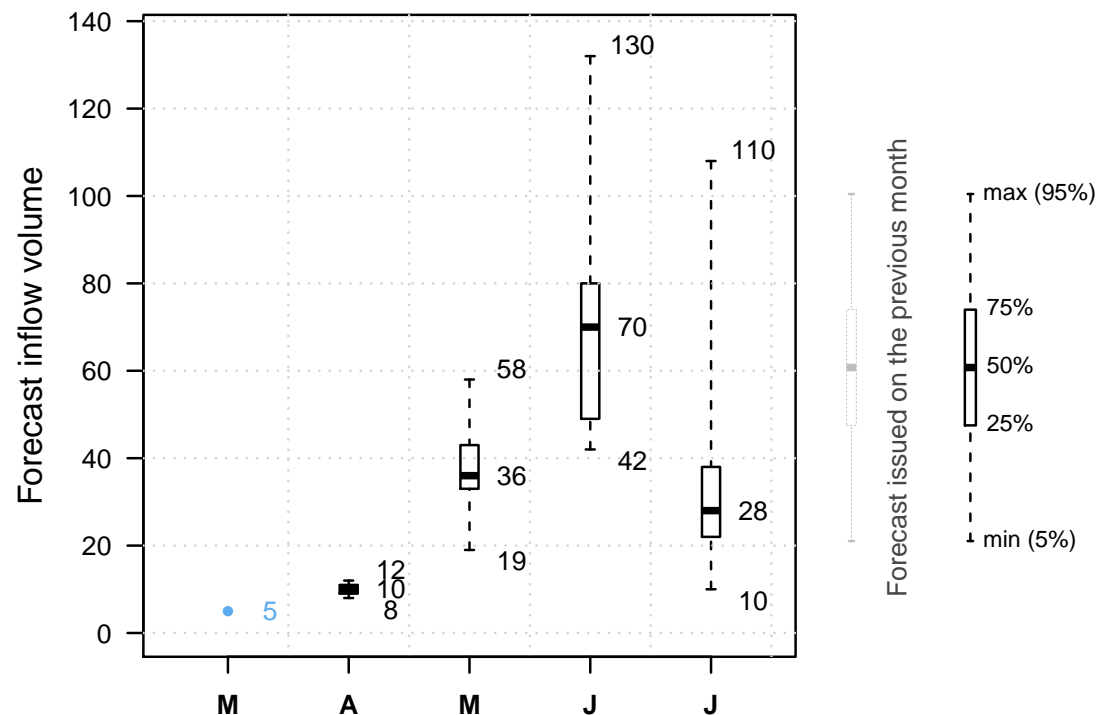


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

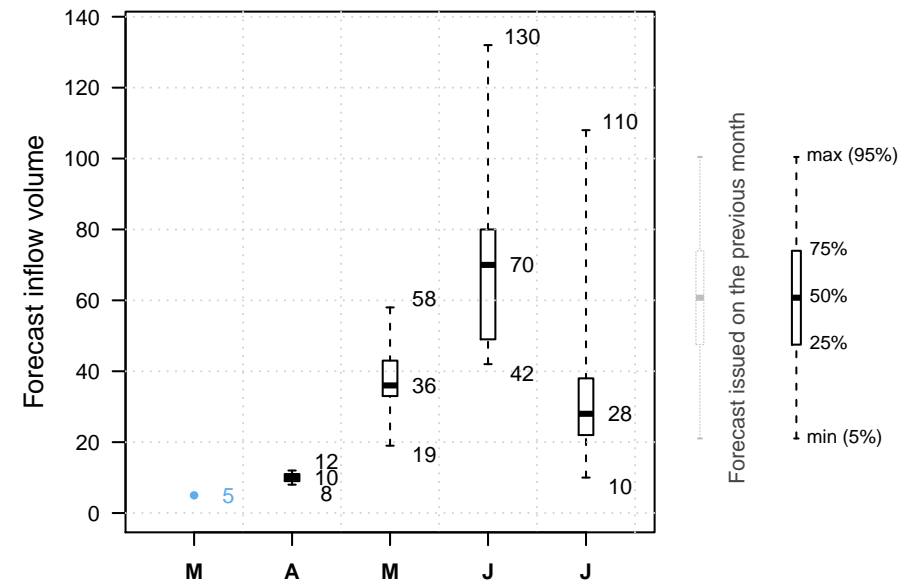
**NEXT**



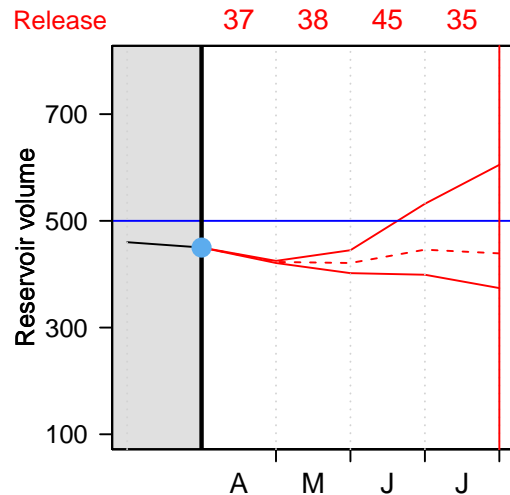
It is April 1st.

And our volunteer?

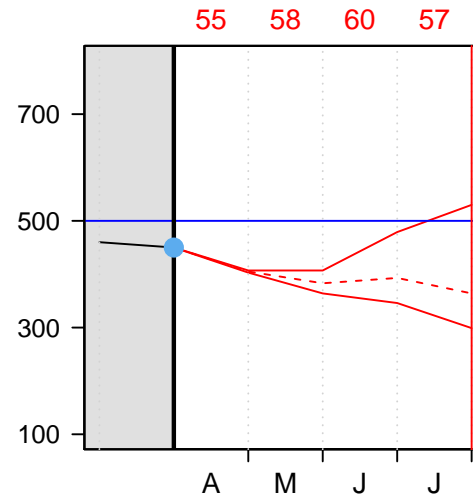
Let's see which release option our volunteer will choose.



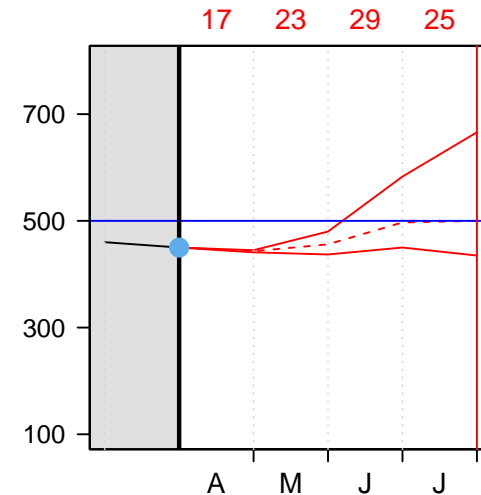
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $37 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 37 \text{ Mm}^3 = 431 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

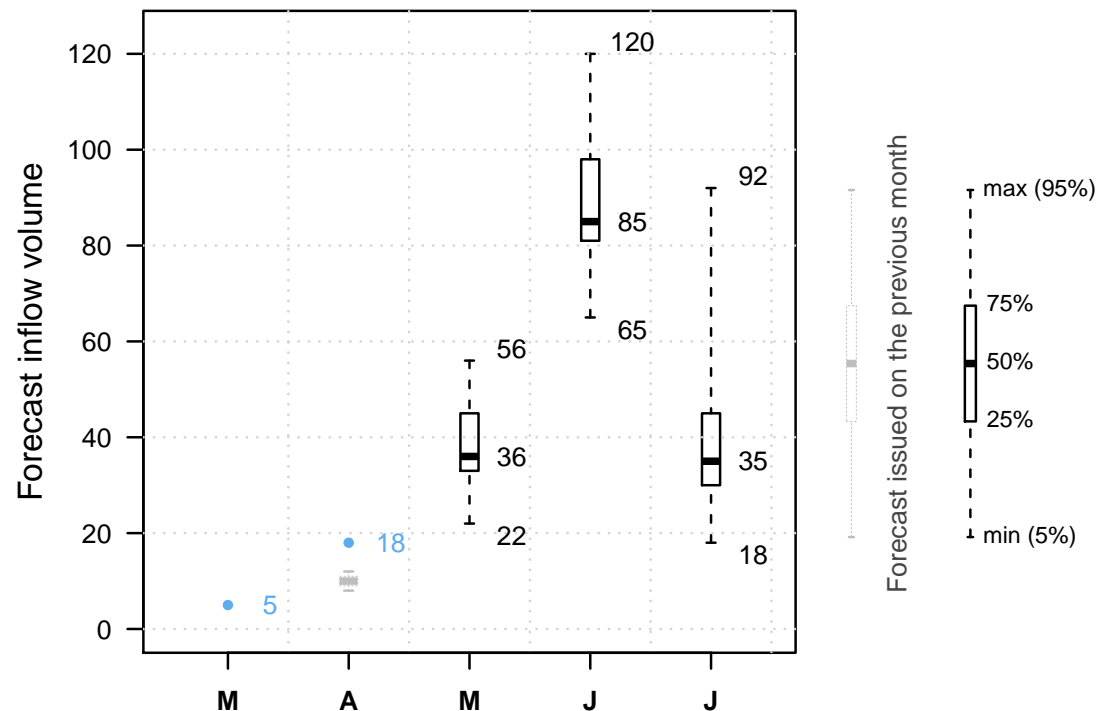


It is May 1st.

The reservoir is at  $431 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

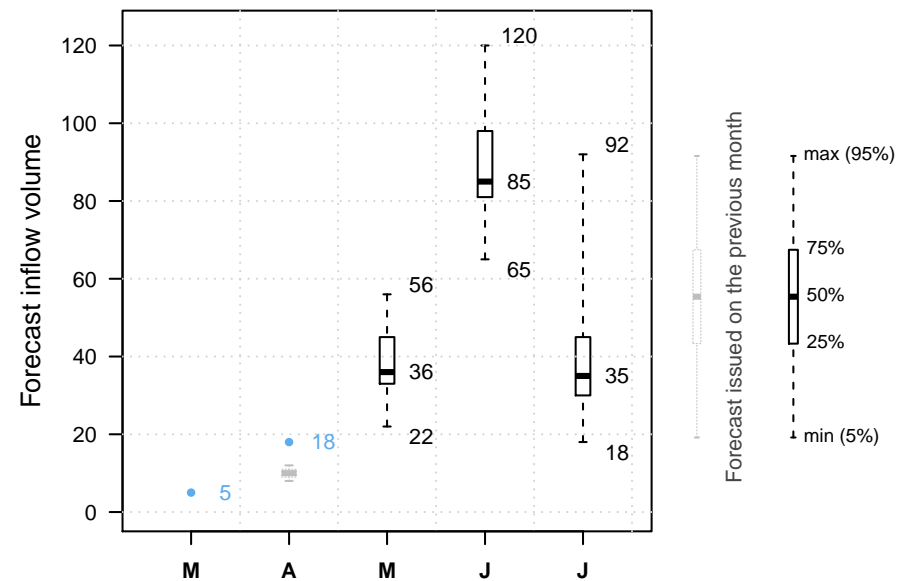
Previous decisions: A



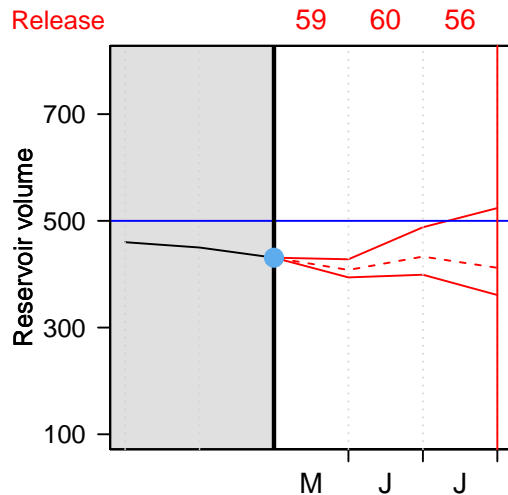
It is May 1st.

And our volunteer?

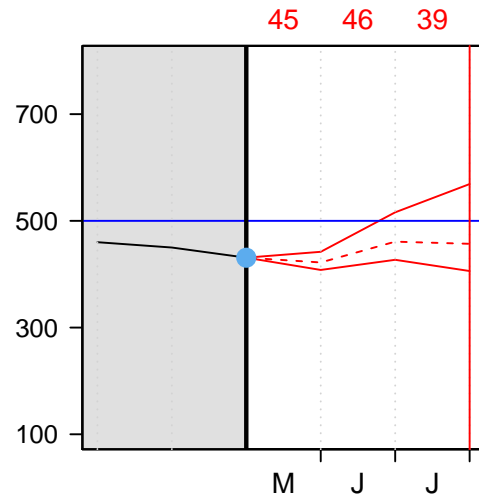
Let's see which release option our volunteer will choose.



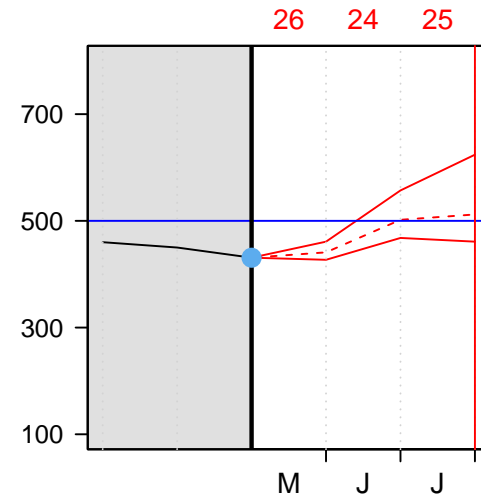
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$431 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 460 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

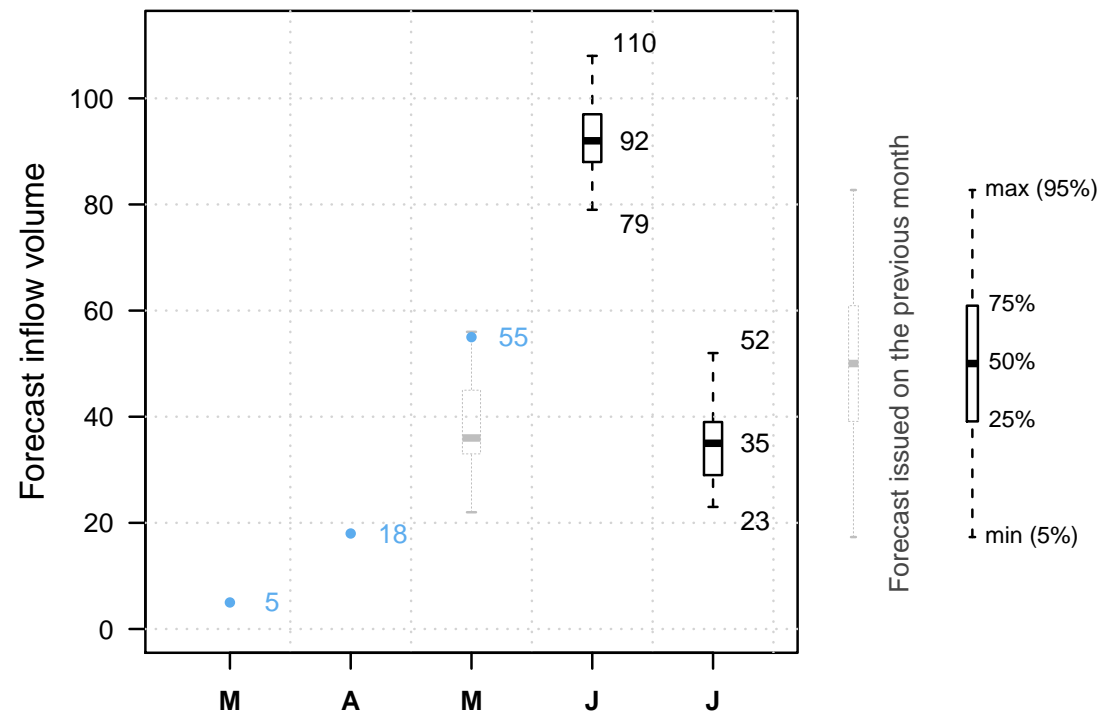


It is June 1st.

The reservoir is at 460  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

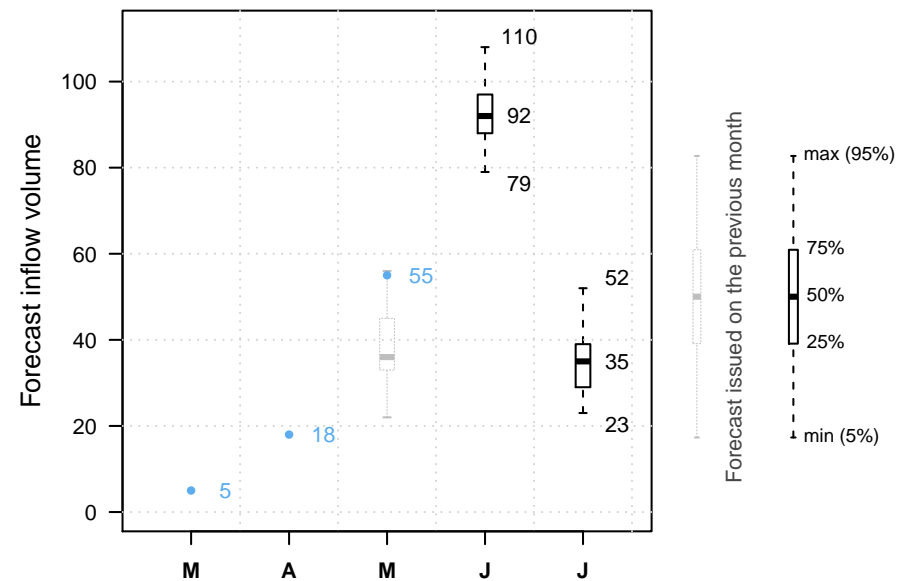
Previous decisions: A C



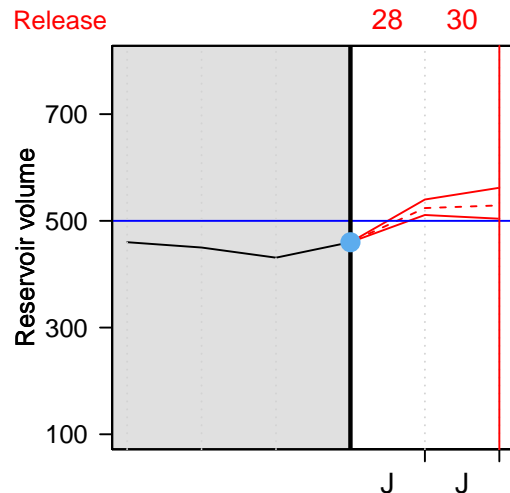
It is June 1st.

And our volunteer?

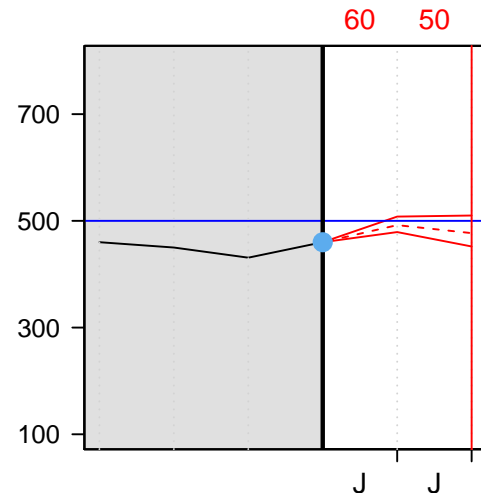
Let's see which release option our volunteer will choose.



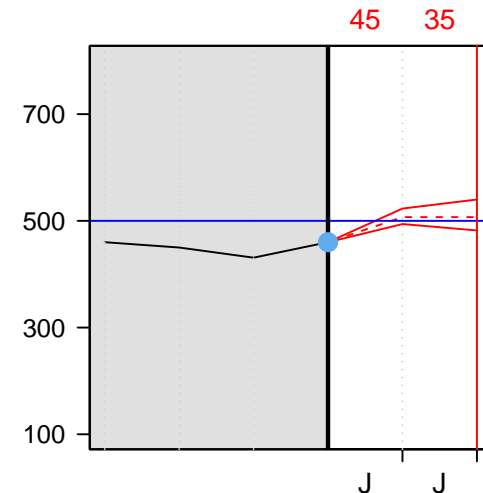
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume +  $120 \text{ Mm}^3$  - June release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$460 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 535 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

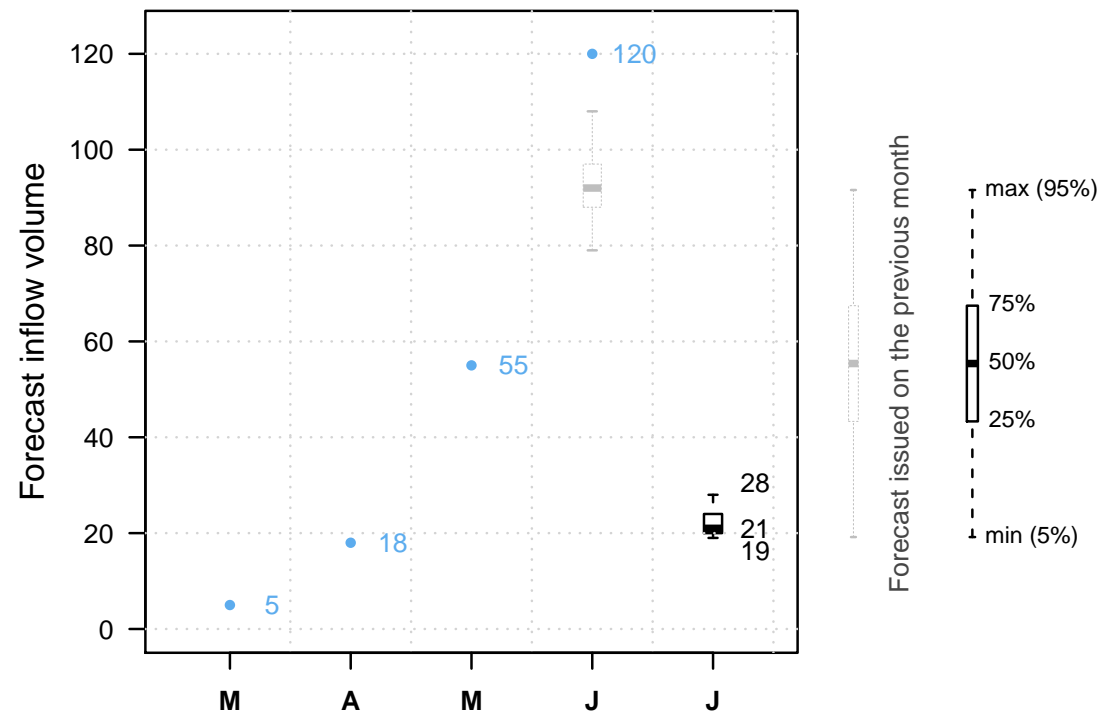


It is July 1st.

The reservoir is at 535  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

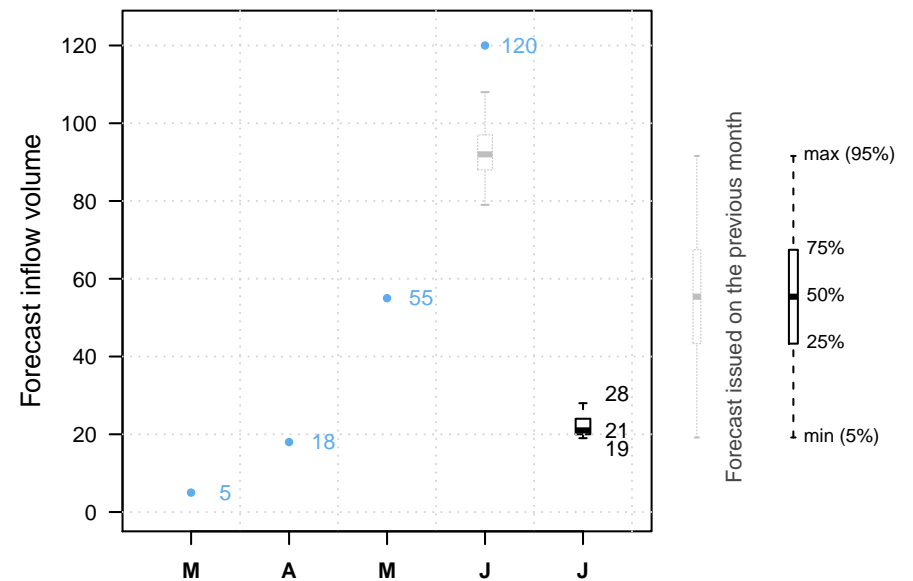
Previous decisions: A C C



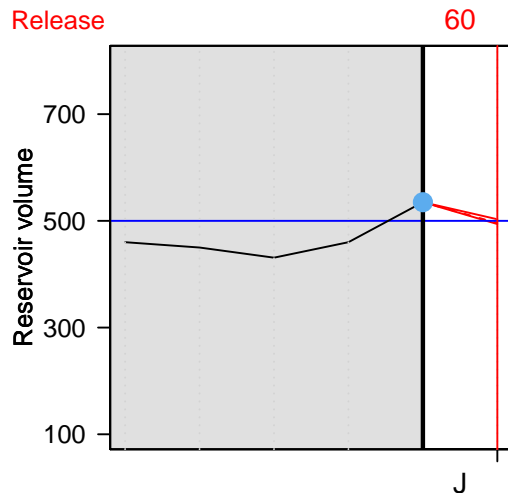
It is July 1st.

And our volunteer?

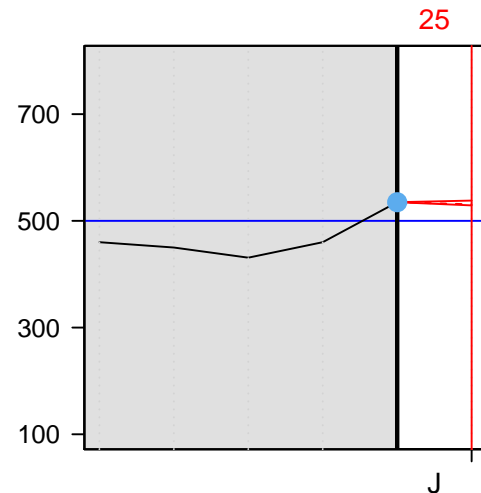
Let's see which release option our volunteer will choose.



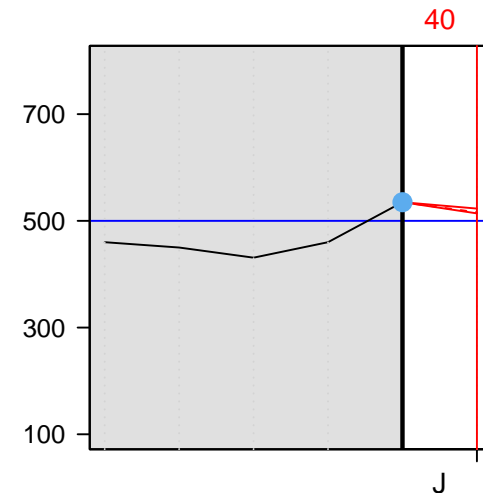
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast



---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$535 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

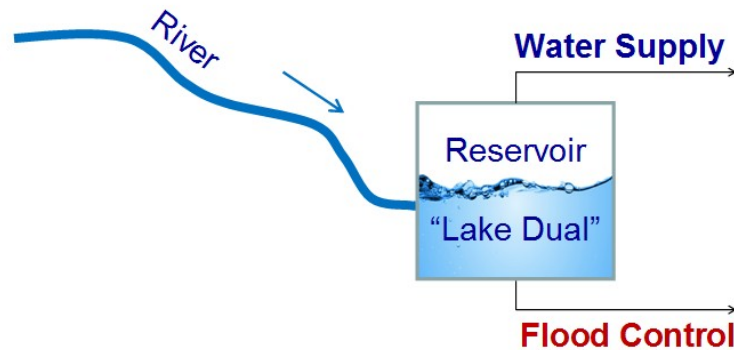
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



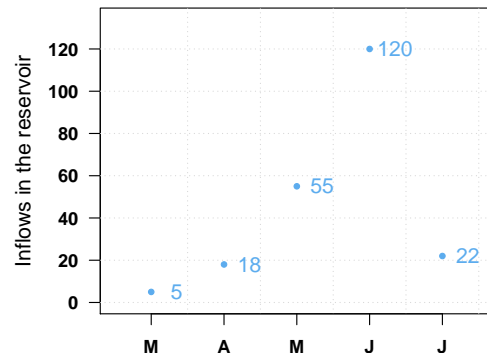
Swof Town



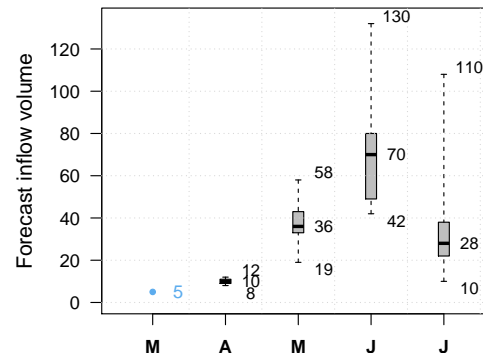
Safe Town



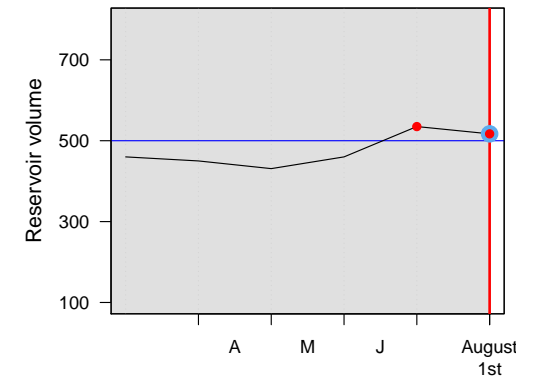
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

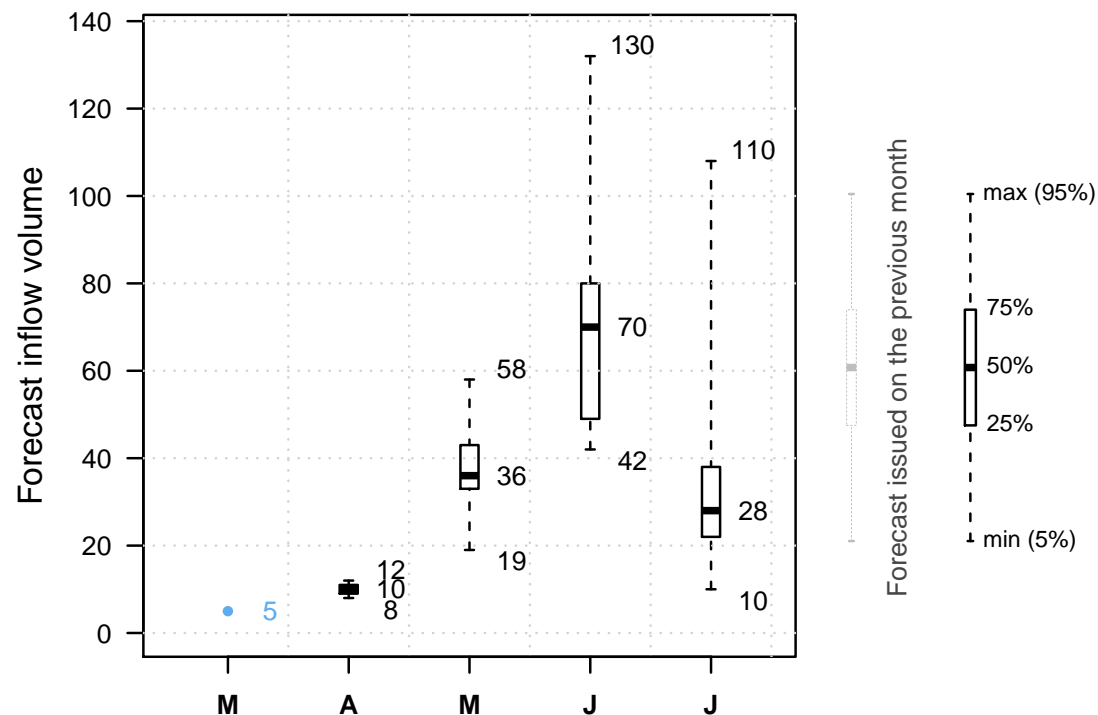


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

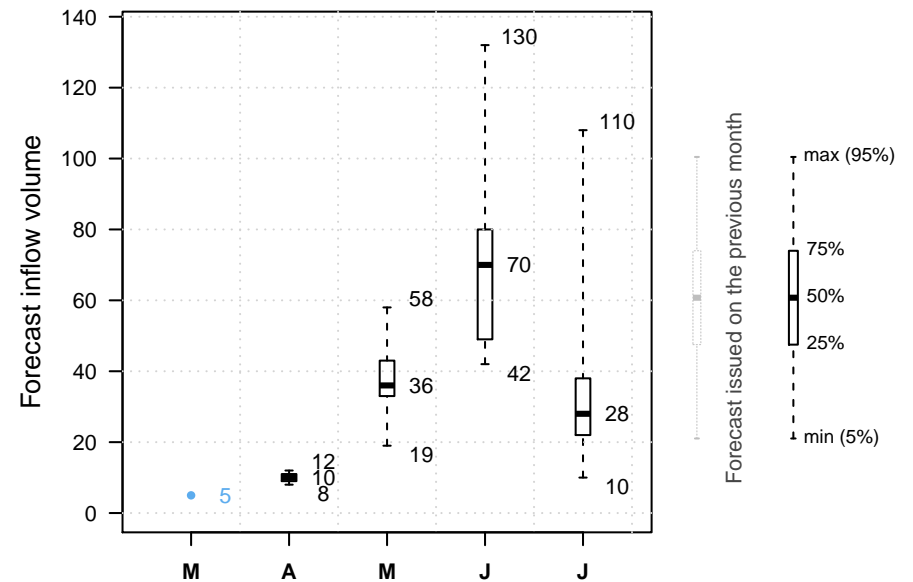
NEXT



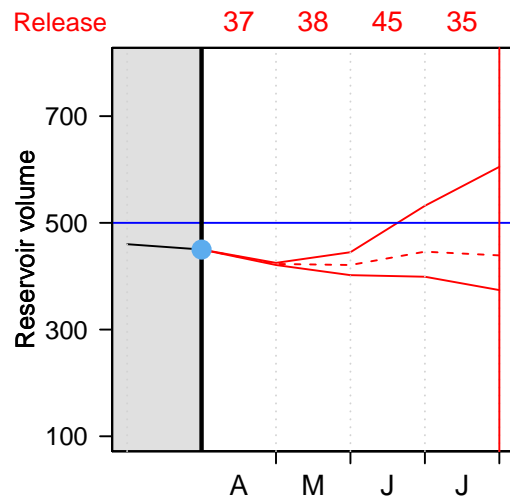
It is April 1st.

And our volunteer?

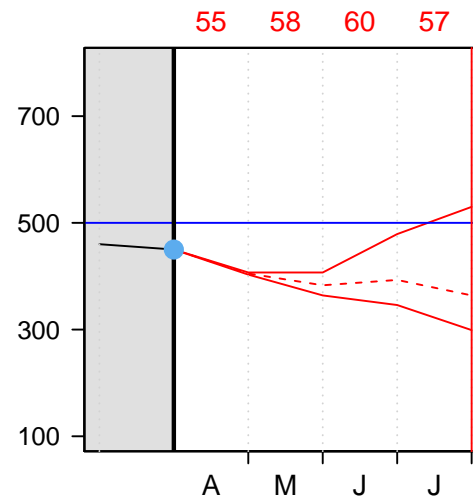
Let's see which release option our volunteer will choose.



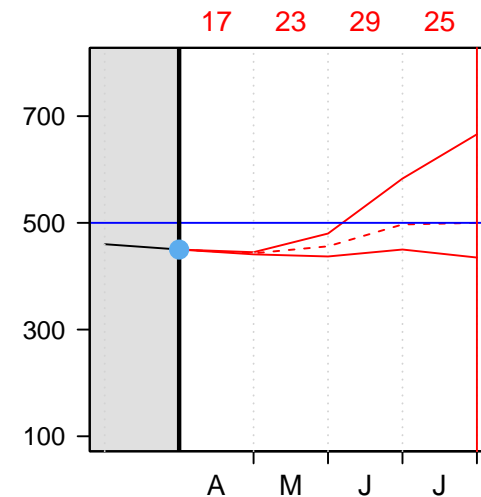
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $55 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 55 \text{ Mm}^3 = 413 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

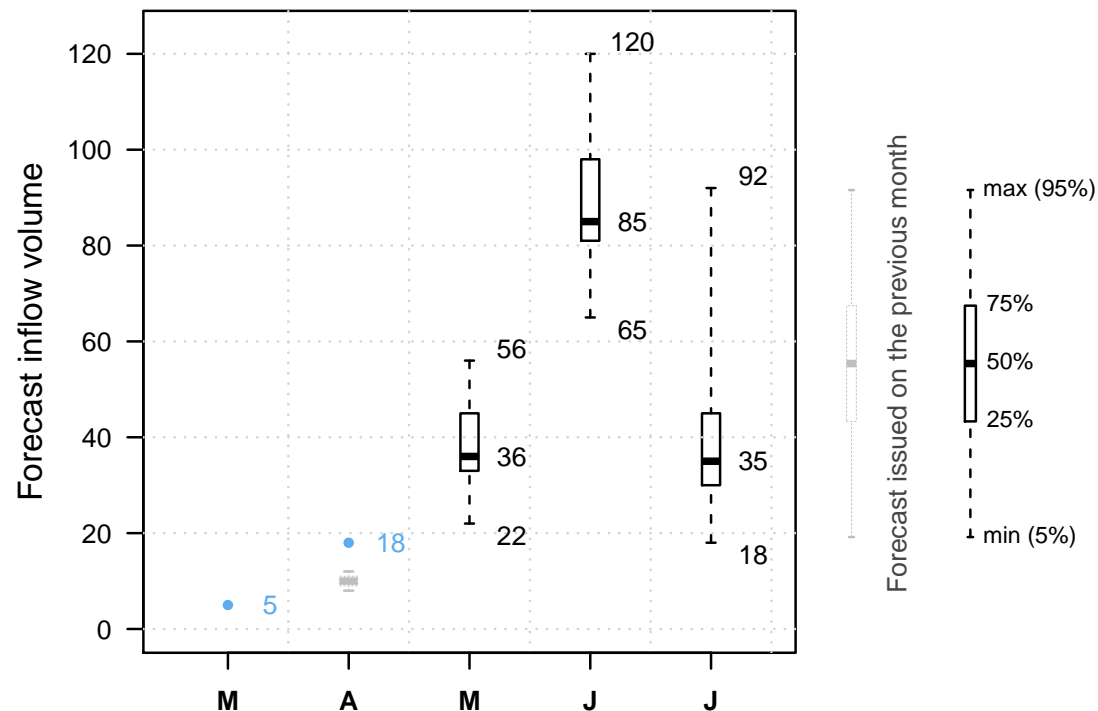


It is May 1st.

The reservoir is at  $413 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.



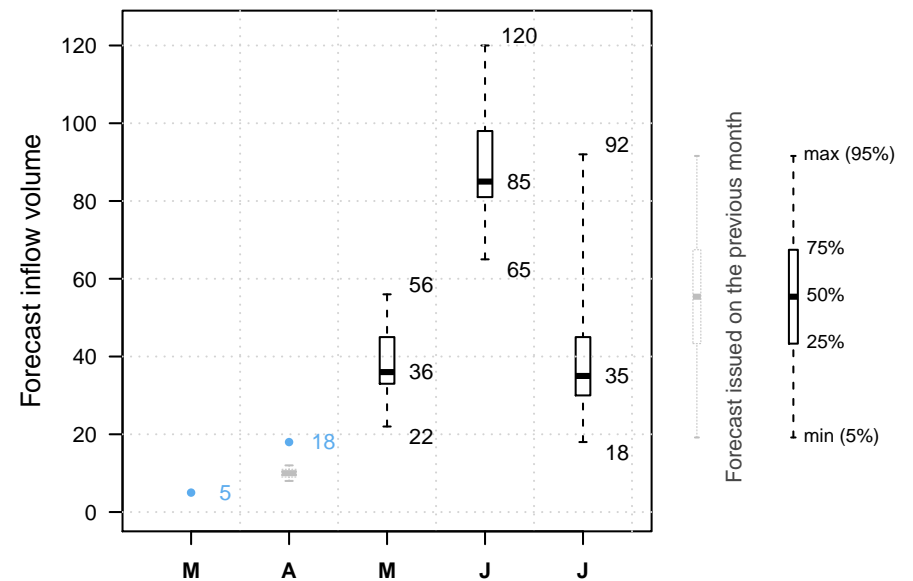
Previous decisions: B



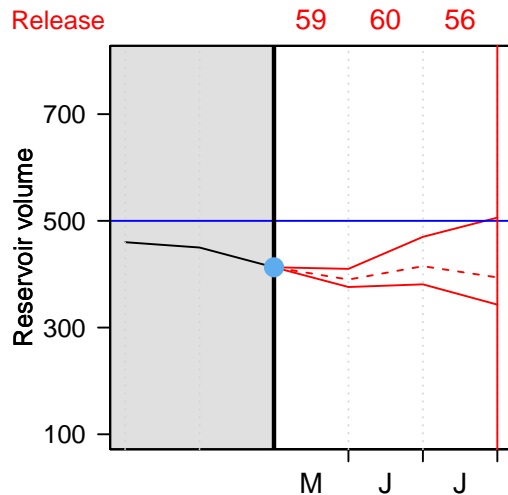
It is May 1st.

And our volunteer?

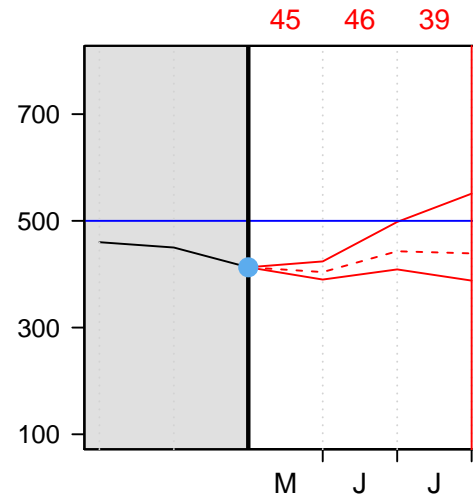
Let's see which release option our volunteer will choose.



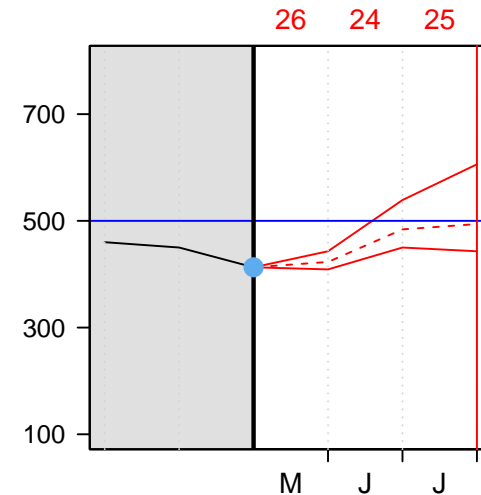
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume  $+ 55 \text{ Mm}^3 - \text{May release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$413 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 442 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

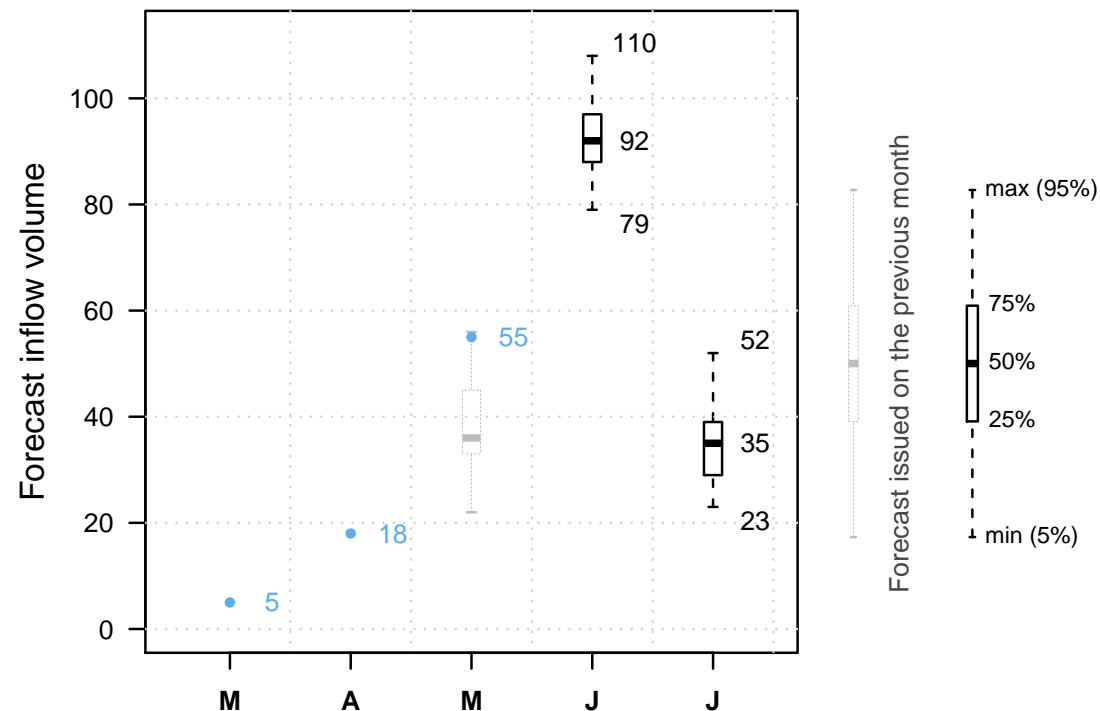


It is June 1st.

The reservoir is at 442  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

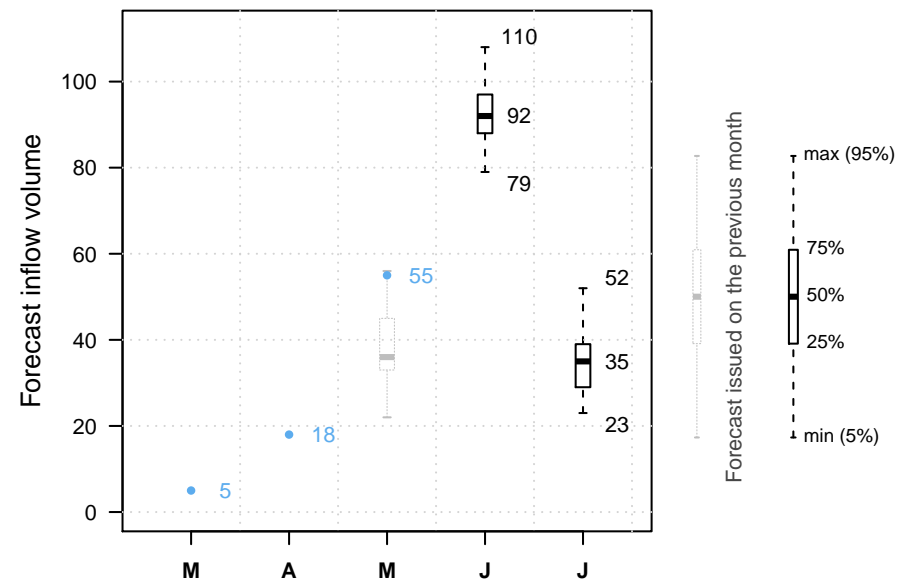
Previous decisions: B C



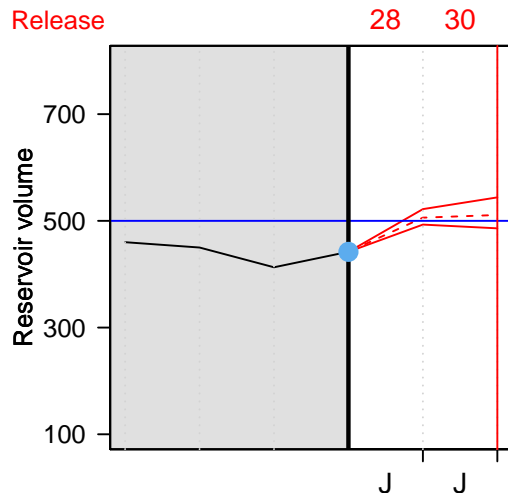
It is June 1st.

And our volunteer?

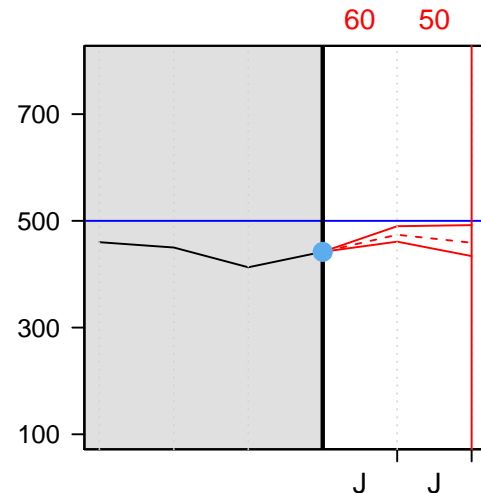
Let's see which release option our volunteer will choose.



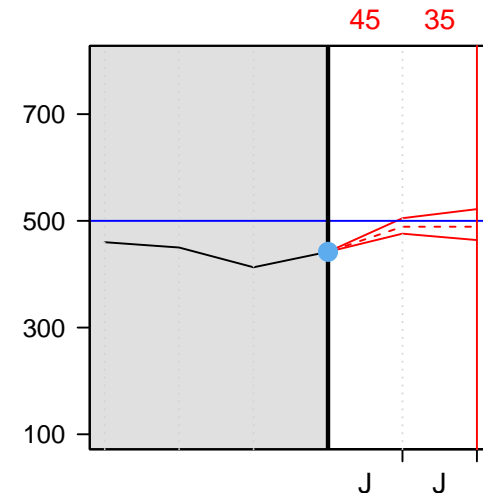
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$442 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 517 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---

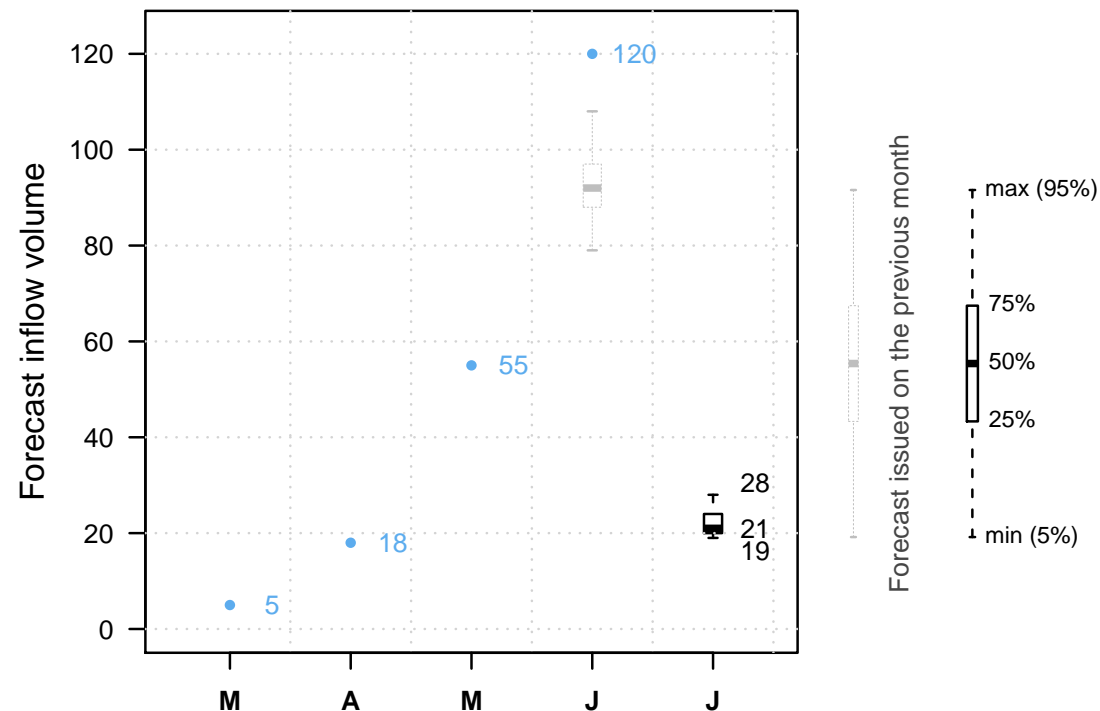


It is July 1st.

The reservoir is at  $517 \text{ Mm}^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.



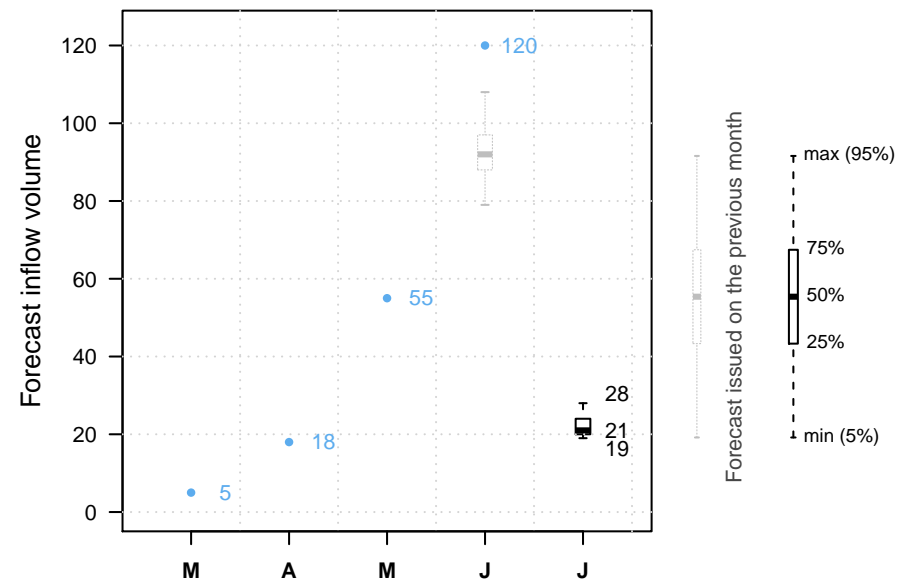
Previous decisions: B C C



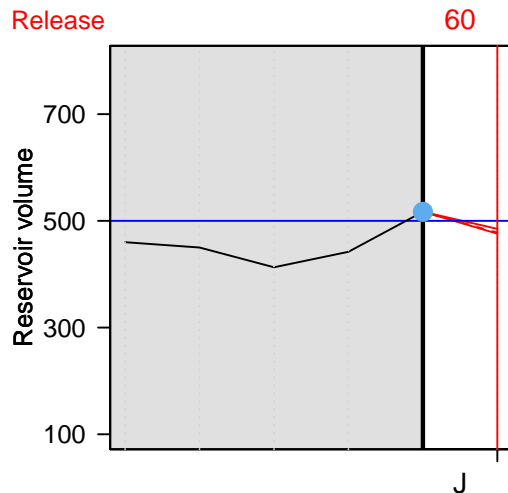
It is July 1st.

And our volunteer?

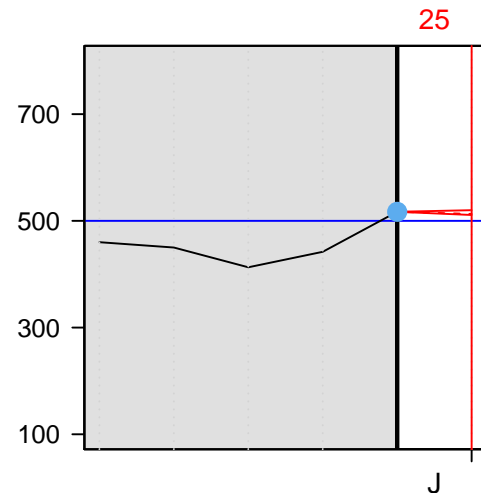
Let's see which release option our volunteer will choose.



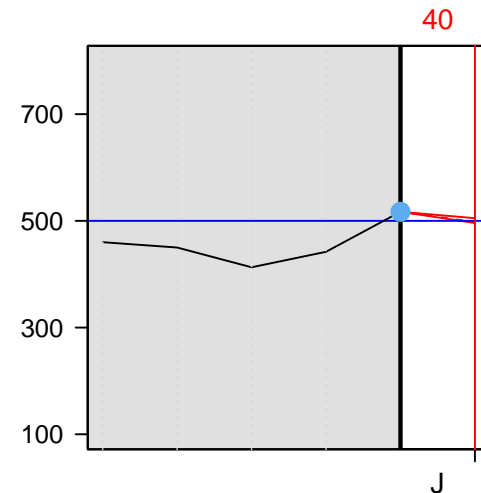
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume +  $22 \text{ Mm}^3$  - July release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$517 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 499 \text{ Mm}^3$$



No overtop!

The volunteer got the job back!

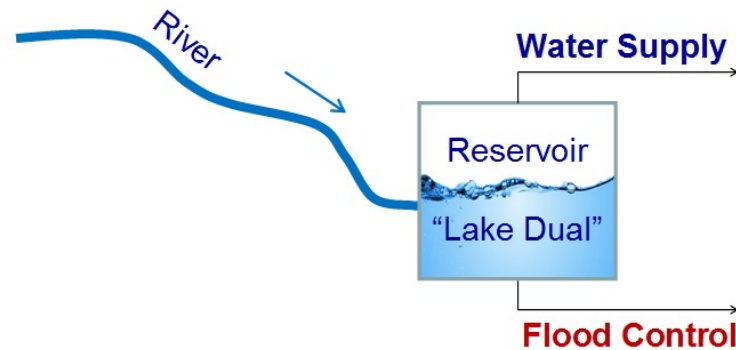
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



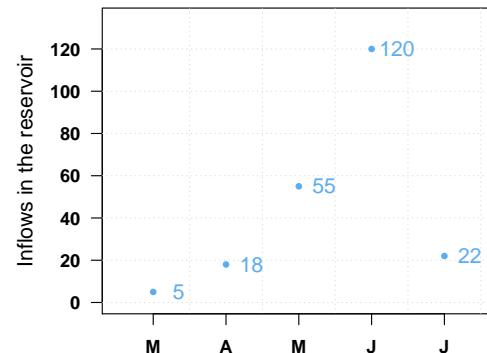
Swof Town



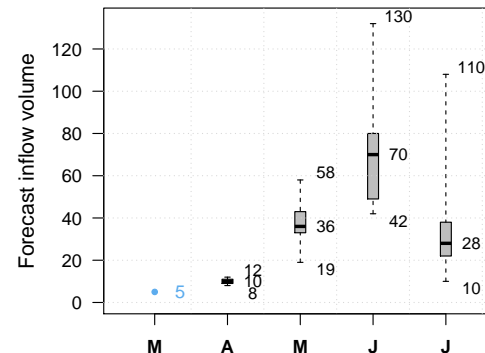
Safe Town



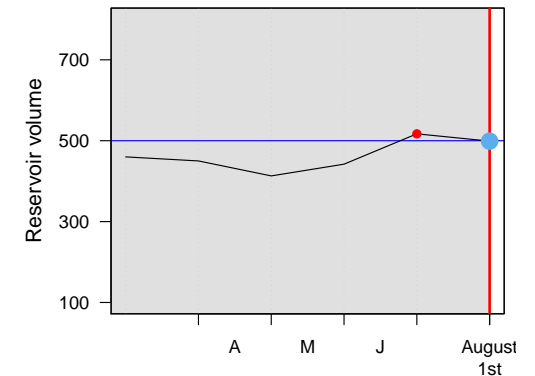
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?

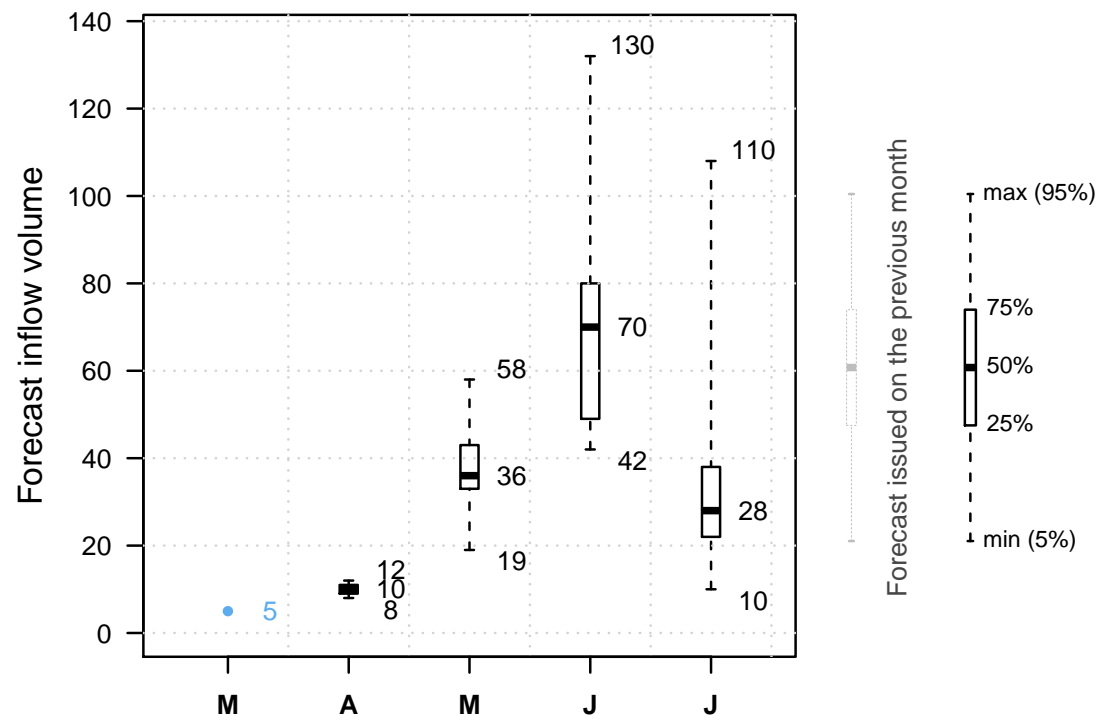


It is April 1st.

The reservoir is at  $450 \text{ Mm}^3$

You are given the inflow forecasts on April 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ Mm}^3 \leq \text{Release} \leq 60 \text{ Mm}^3$



Reservoir should be close to  $500 \text{ Mm}^3$  on August 1st.

If the volume exceeds  $500 \text{ Mm}^3$ , you are fired.

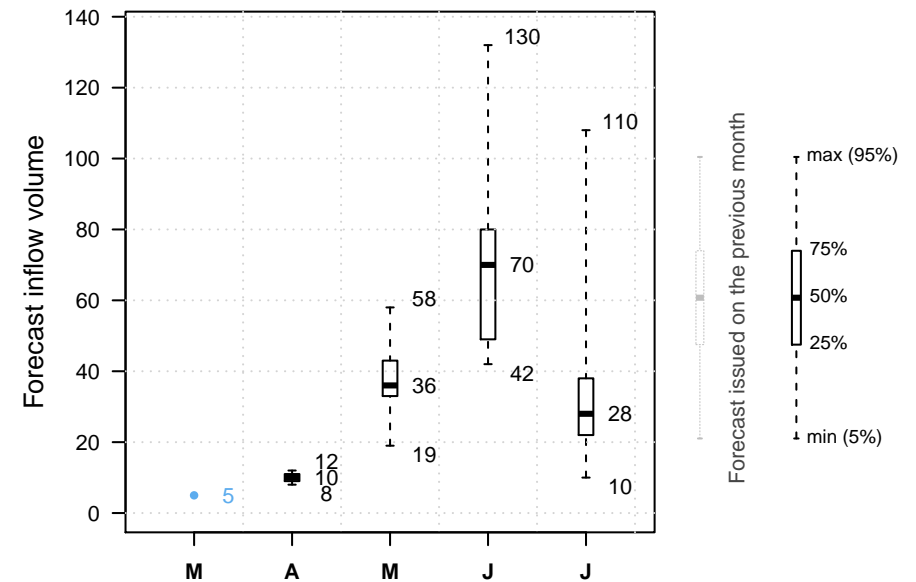
**NEXT**



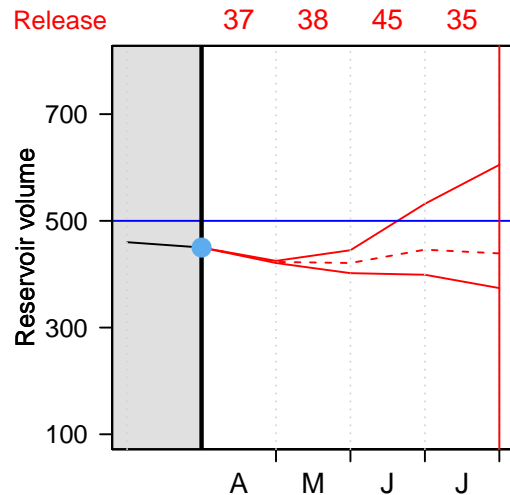
It is April 1st.

And our volunteer?

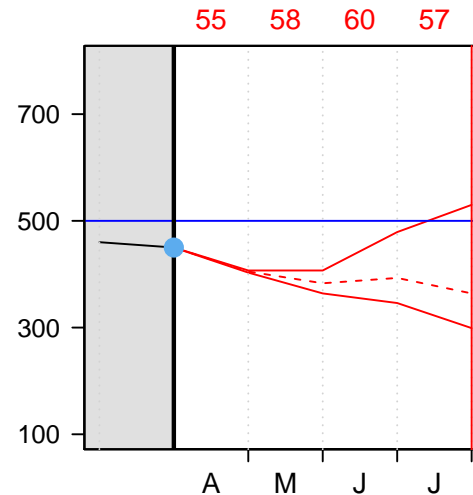
Let's see which release option our volunteer will choose.



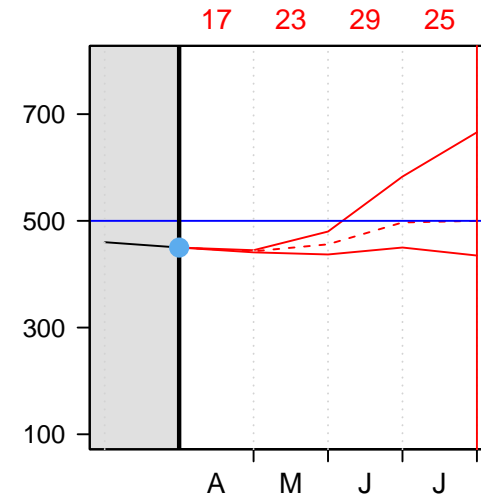
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

April has gone by.

April inflow was: 18  $Mm^3$

You can update your reservoir volume:

The volume on May 1st is:

April 1 volume + 18  $Mm^3$  - April release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

April has gone by.

April inflow was:  $18 \text{ Mm}^3$

Our volunteer's April release was:  $17 \text{ Mm}^3$

The volume on May 1st is therefore:

$$450 \text{ Mm}^3 + 18 \text{ Mm}^3 - 17 \text{ Mm}^3 = 451 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---



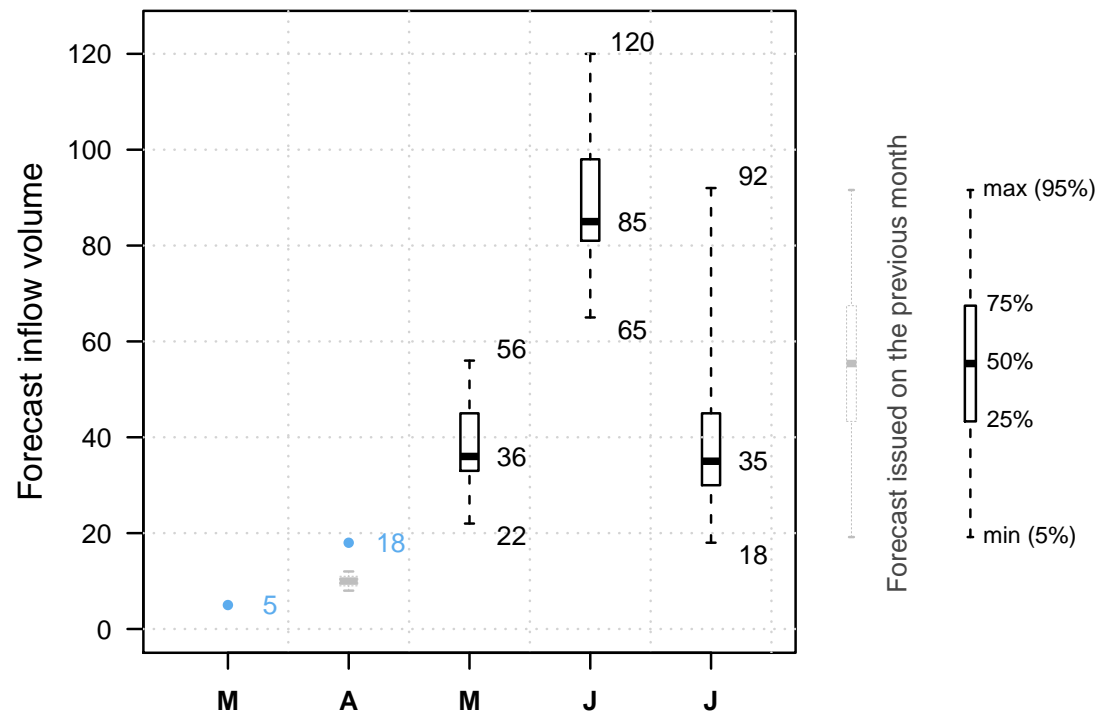


It is May 1st.

The reservoir is at  $451 \text{ } Mm^3$

You are given the inflow forecasts on May 1st.

**Please fill in your release schedule.** Remember:  $15 \text{ } Mm^3 \leq \text{Release} \leq 60 \text{ } Mm^3$



Reservoir should be close to  $500 \text{ } Mm^3$  on August 1st.

If the volume exceeds  $500 \text{ } Mm^3$ , you are fired.

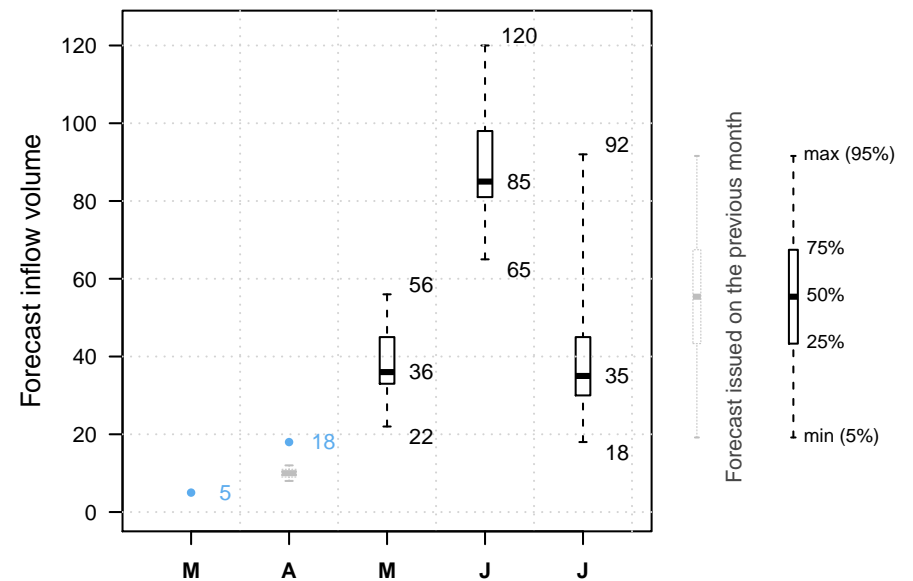
Previous decisions: C



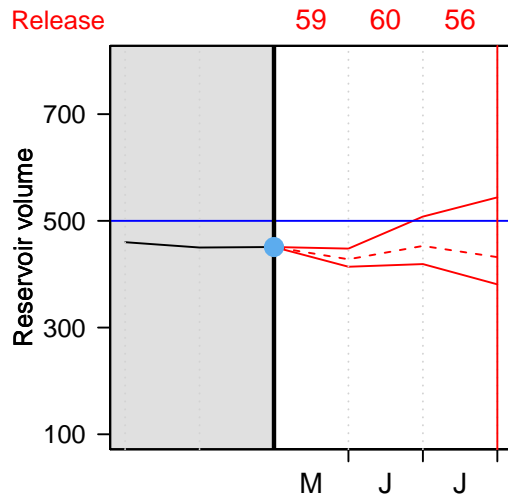
It is May 1st.

And our volunteer?

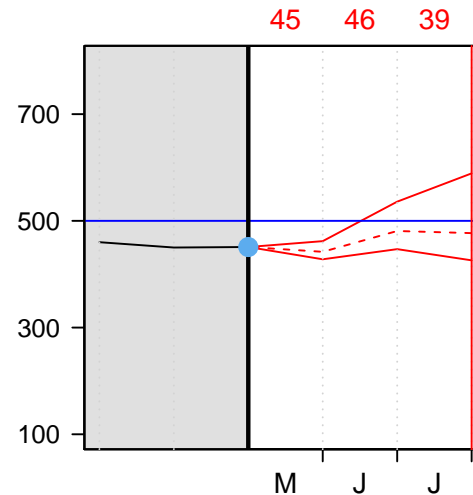
Let's see which release option our volunteer will choose.



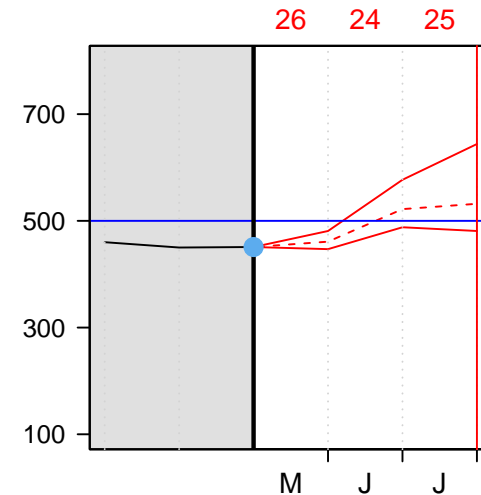
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

You can update your reservoir volume:

The volume on June 1st is:

May 1 volume +  $55 \text{ Mm}^3$  - May release = ?



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

May has gone by.

May inflow was:  $55 \text{ Mm}^3$

Our volunteer's May release was:  $26 \text{ Mm}^3$

The volume on June 1st is therefore:

$$451 \text{ Mm}^3 + 55 \text{ Mm}^3 - 26 \text{ Mm}^3 = 480 \text{ Mm}^3$$



No overtop!

The volunteer still has a job!

Let's go to the next forecast!

---

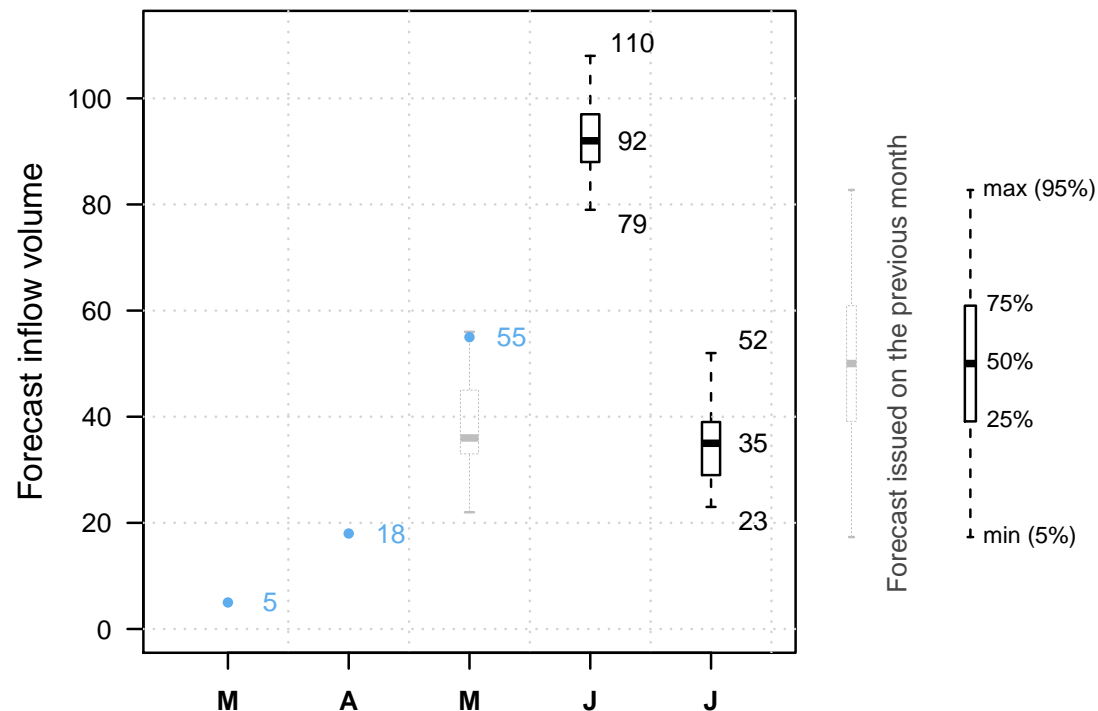


It is June 1st.

The reservoir is at 480  $Mm^3$

You are given the inflow forecasts on June 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

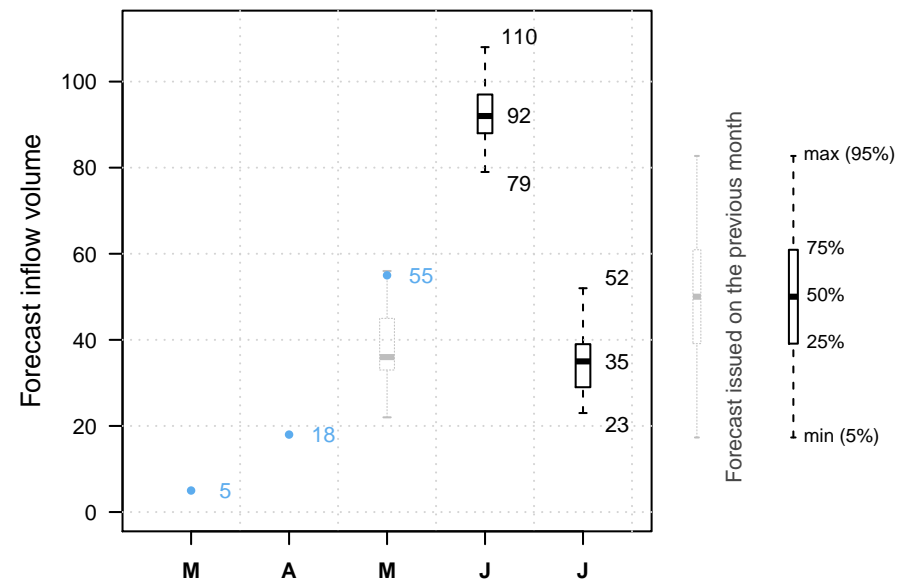
Previous decisions: C C



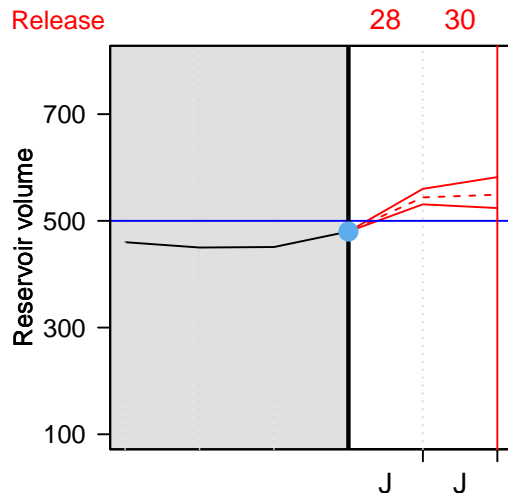
It is June 1st.

And our volunteer?

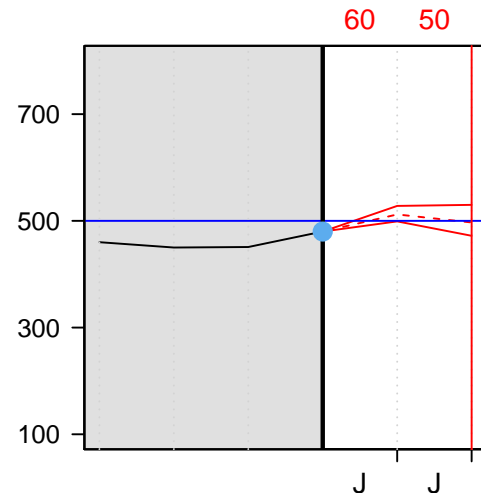
Let's see which release option our volunteer will choose.



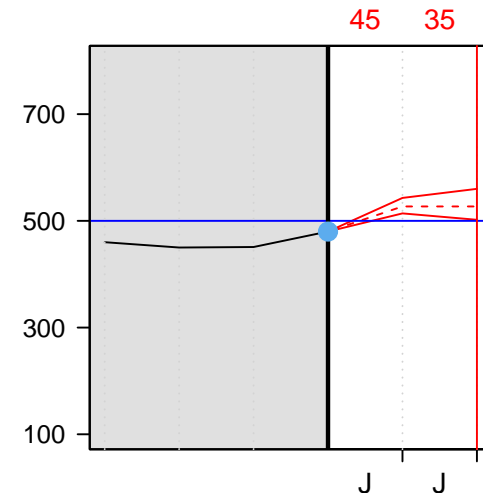
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

You can update your reservoir volume:

The volume on July 1st is:

June 1 volume  $+ 120 \text{ Mm}^3 - \text{June release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

June has gone by.

June inflow was:  $120 \text{ Mm}^3$

Our volunteer's June release was:  $45 \text{ Mm}^3$

The volume on July 1st is therefore:

$$480 \text{ Mm}^3 + 120 \text{ Mm}^3 - 45 \text{ Mm}^3 = 555 \text{ Mm}^3$$



Overtop!

The volunteer got fired!

Can it be fixed?

---



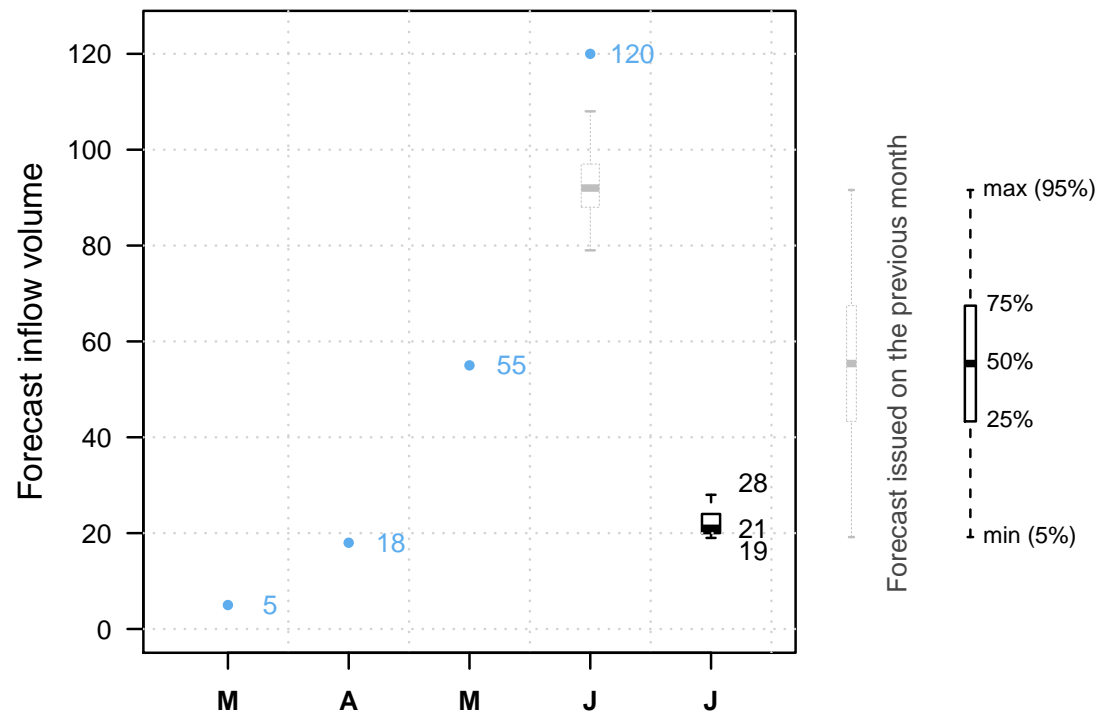


It is July 1st.

The reservoir is at 555  $Mm^3$

You are given the inflow forecasts on July 1st.

**Please fill in your release schedule.** Remember:  $15 Mm^3 \leq \text{Release} \leq 60 Mm^3$



Reservoir should be close to 500  $Mm^3$  on August 1st.

If the volume exceeds 500  $Mm^3$ , you are fired.

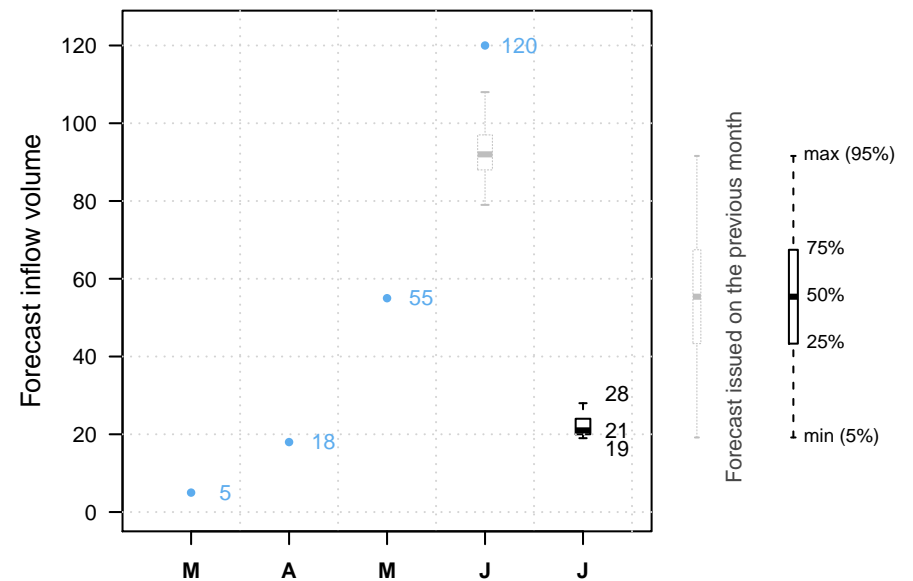
Previous decisions: C C C



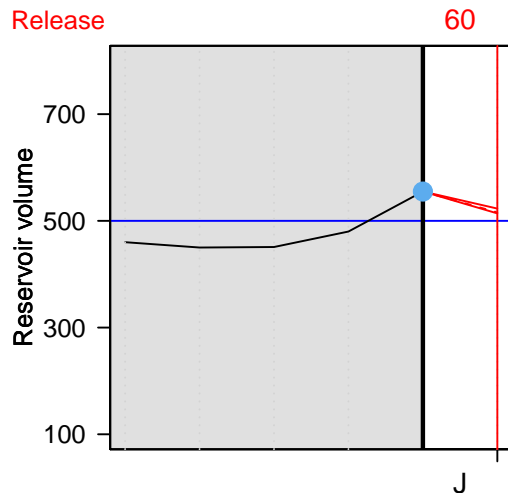
It is July 1st.

And our volunteer?

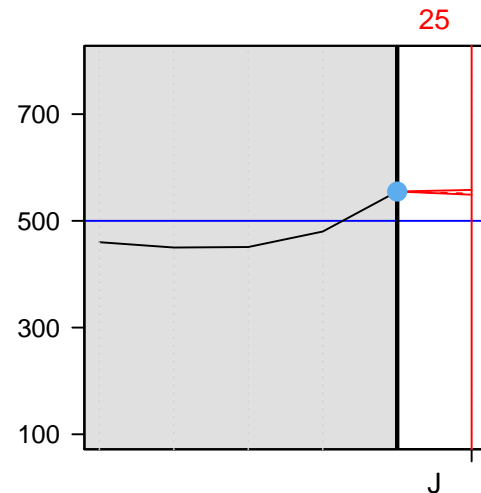
Let's see which release option our volunteer will choose.



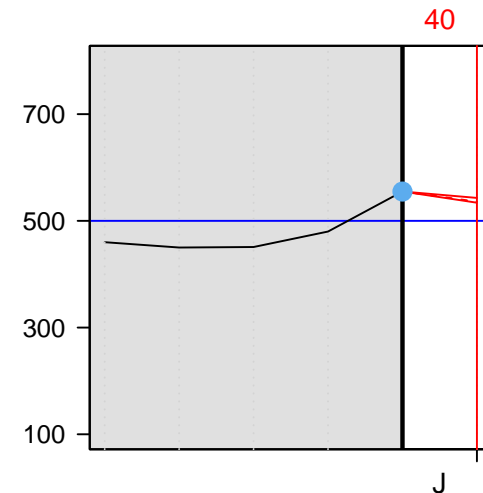
Option A



Option B



Option C



Current reservoir volume



Reservoir volume assuming inflow is median forecast



Reservoir volume assuming inflow is min/max forecast

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

You can update your reservoir volume:

The volume on August 1st is:

July 1 volume  $+ 22 \text{ Mm}^3 - \text{July release} = ?$



Did you overtop your reservoir?

- ☐ NO, I still have my job.
- ☐ YES, I got fired...

What about our volunteer?

---

---

July has gone by.

July inflow was:  $22 \text{ Mm}^3$

Our volunteer's July release was:  $40 \text{ Mm}^3$

The volume on August 1st is therefore:

$$555 \text{ Mm}^3 + 22 \text{ Mm}^3 - 40 \text{ Mm}^3 = 537 \text{ Mm}^3$$



Overtop!

The volunteer did not get the job back!

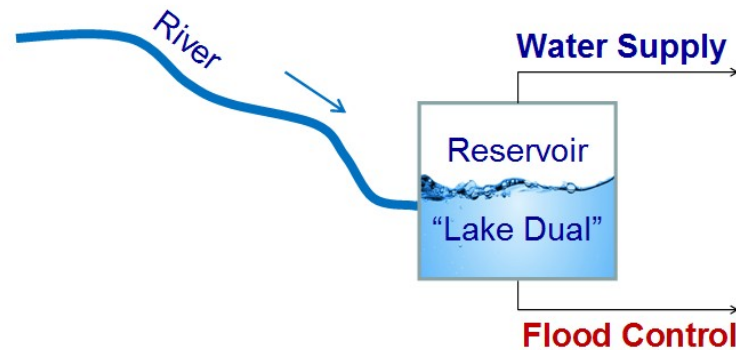
NEXT

---

# GAME OVER

August 1st has arrived.

If you did not overtop the reservoir, you still have a job and you are hired for the next season!



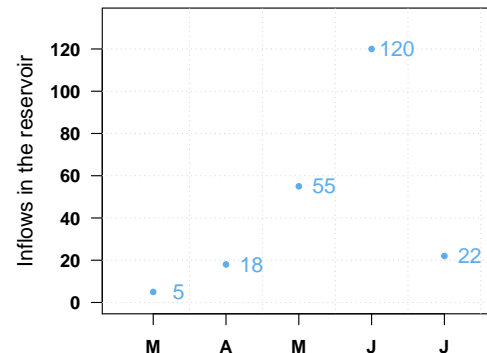
Swof Town



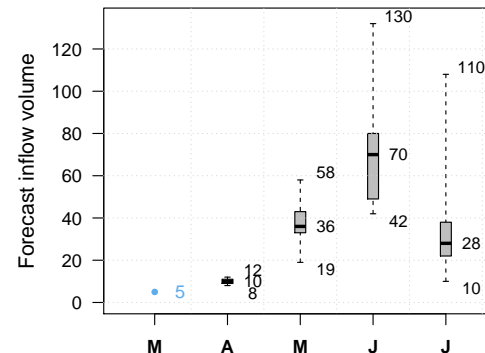
Safe Town



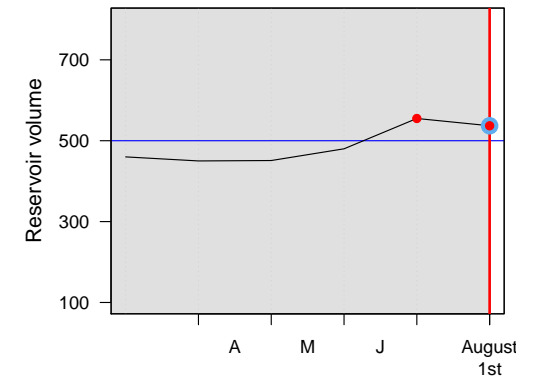
Observed inflows



Forecast on April 1



Our volunteer's results



How did you like this experience as a decision-maker?