

We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.

2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.



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Free Trial

## Weekly Challenge

Solve the challenge, share your solution and summit the ranks of our Community!

Also available in | Français | Português | Español | 中文

### IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

[SUBMIT FEEDBACK](#)

[Weekly Challenge](#)

## Challenge #154: Permute the Data



JoeM  
Alteryx Alumni (Retired)

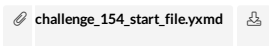
Last week's solution can be found [here](#).

This week's solution is working to permute some data! This challenge is derived from an [question](#) asked by [@iellingsonbg](#), and was solved by the illustrious [@MarqueeCrew](#). [@MarqueeCrew](#) then messaged us letting us know a great challenge was available that we should tackle! If you ever have a great challenge of your own or see another problem around the Community worth tackling, let us know!

As for the challenge itself, we are presented the options (tools). What we would like to do is determine all the combinations these tools can exist in an 'on/off' state. For three options we can see the following combinations. Note that the end result data is not formatted this way, but simple formatted here for ease of understanding.

Browse	Input	Output
Off	Off	Off
Off	Off	On
Off	On	Off
Off	On	On
On	Off	Off
On	Off	On
On	On	Off
On	On	On

If you want to take a more difficult route, try to setup your workflow where it would be dynamic to handle more than three tool options and more toggle options than on/off!



Data Analysis Data Preparation Difficult Join Macros Parse Preparation

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9 LIKES

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**ACE** MarqueeCrew  
19 - Altair

[@JoeM](#),

Illustrious is very kind of you. I'll defer posting a solution until the real challenge guru's come up with some interesting alternatives.

Cheers,

Mark

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.  
Please [Subscribe](#) to my YouTube channel.

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2 LIKES

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**ACE** patrick\_digan  
17 - Castor

I had a little bit of a headstart as I tried to solve [@iellingsonbg](#)'s original problem. Thanks [@MarqueeCrew](#) for putting this as a weekly challenge!

► Spoiler

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 **ACE MarqueeCrew**  
19 - Altair

[@patrick\\_digan](#).

How horizontal of you! Have you switched axis? I haven't noticed before.

Cheers,

Mark

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.  
Please [Subscribe](#) to my youTube channel.

 **ACE patrick\_digan**  
17 - Castor


[@MarqueeCrew](#) I've finally given in on the weekly challenges. In my younger days I would change the weekly challenge to vertical before starting. I get along with [@JoeM](#) on most things but canvas layout direction is one we don't agree on.  
#Vertical.

 **ACE MarqueeCrew**  
19 - Altair

[@patrick\\_digan](#) next I'll be seeing you sitting next to me on an airplane!

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.  
Please [Subscribe](#) to my youTube channel.

 **JoeM**  
Alteryx Alumni (Retired)

[@patrick\\_digan](#)

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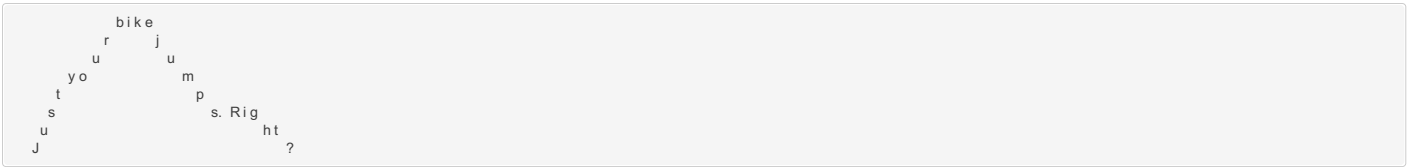
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 **ACE MarqueeCrew**  
19 - Altair



[@JoeM](#)

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.  
Please [Subscribe](#) to my YouTube channel.

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2 LIKES

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 **ACE Ladarthure**  
14 - Magnetar

Nice one, did a brute force way, but trying to find out a macro solution :)

challenge\_154\_start\_file.yxmd

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 **ACE danilang**  
18 - Pollux

High School Math to the Rescue!

Thanks for the challenge [@MarqueeCrew](#)

► Spoiler

Dan

challenge\_154\_solution\_DLyxmd

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