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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Weekly Challenge

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**IDEAS WANTED**

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

SUBMIT FEEDBACK



# Challenge #143: Developer Community Anniversary Edition

NeilR
Alteryx Community Team

The solution to last week's Challenge can be found HERE!

Sometimes, Designer doesn't do what you want it to. Fortunately, it is endlessly extensible. This week's challenge will ease you into the world of the Alteryx SDKs - upon successful completion of the challenge, you will be an Alteryx Developer. You can do this - REALLY!

For the purposes of this exercise, you have already extended Alteryx by creating a macro (***Outlier.yxmc*** attached to this post). Eventually, you may want to further extend your new tool by leveraging open source Python functionality with the Python SDK. After you do that, you might want to make a fancy new interface with the HTML GUI SDK (see here for inspiration). But we're going to take baby steps, and will start by ***simply replicating the macro's UI using the HTML GUI SDK***.

***Advanced Challenge***: Do this on your own with nothing but Developer Community (happy one year anniversary!) and the documentation to guide you (this post is also very helpful).

***Basic Challenge***: Place the Outlier folder contained within the attached zip file in your HTML plugins folder (e.g. `C:\Program Files\Alteryx\bin\HtmlPlugins\` for an admin install). Restart Alteryx. You will now see the Outlier tool in the Data Investigation category. But the tool's interface is blank! Modify the Gui.html file to add the appropriate controls.

Hint below...

Spoiler

**Outlier.zip**

Data Preparation | Difficult | Join | Macros | Transform

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CHarrison
8 - Asteroid

Spoiler

**Challenge 143.yxmd**

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patrick_digan
17 - Castor

Spoiler

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Done the basic challenge, & with the hint :-)
I'm new with Alteryx SDKs !

Spoiler

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WilliamR
Alteryx

Share 1 LIKE Reply

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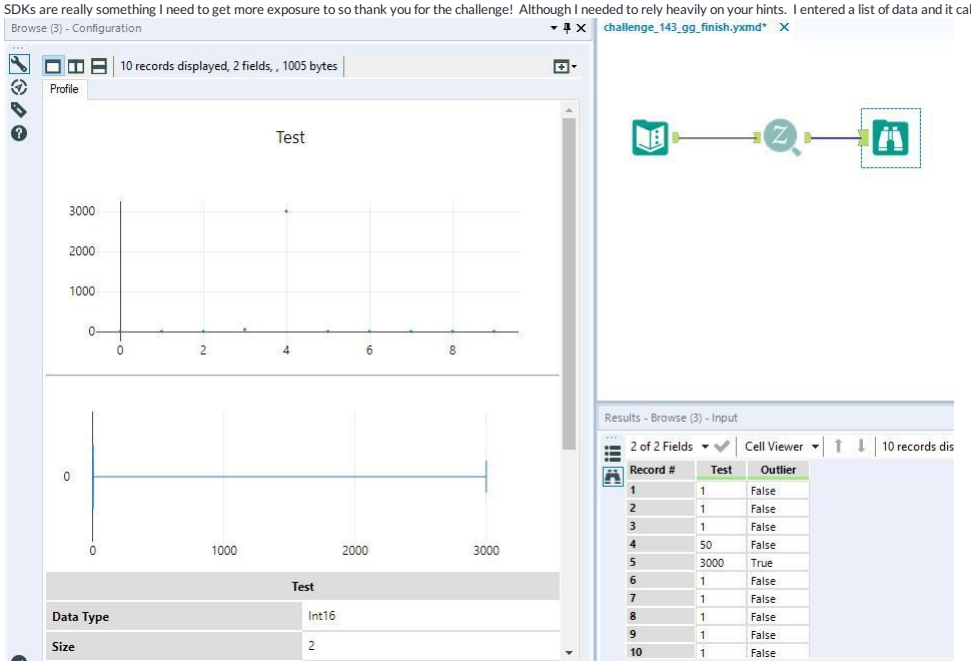
ACE ggruccio
ACE Emeritus

SDKs are really something I need to get more exposure to so thank you for the challenge! Although I needed to rely heavily on your hints. I entered a list of data and it calculated the outlier based on Z score greater than 2. (3000 = True)




challenge_143_gg_finish.yxmd

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JoeS
Alteryx

Spoiler

Spoiler

I added the title as well, as the examples suggest, I think it rounds (pun intended!) the UI off nicely

Share 1 LIKE Reply

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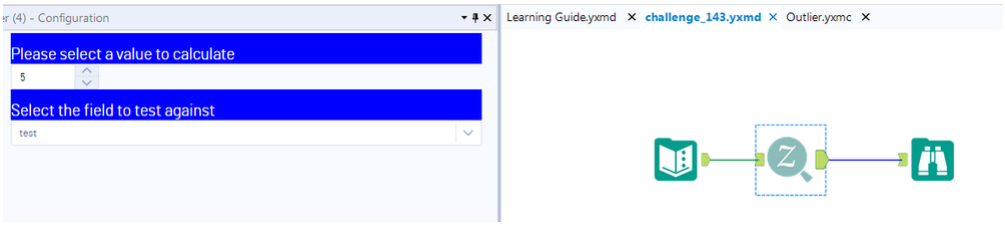
pasccout
8 - Asteroid

Here is my solution (basic)... Nice to see the flexibility behind this!




challenge_143.yxmd

Share 0 LIKES Reply

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danilang
18 - Pollux

My solution to the basic challenge. Hints were used as well. A lot of learning to be done here

Spoiler

Dan

Challenge_143_solution_DL.yxmd

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ChristineB
Alteryx Alumni (Retired)

Great challenge, @NeilR! This was my first time using the HTML SDK, and I learned a lot from this one! The article you suggested was super helpful. I had to peek at your hints and other posted solutions, but I got the confidence to tinker around with adding an additional element: a button to say I completed the challenge!

I have the same question as @patrick_digan...Did anyone figure out how to set a default value in the numeric spinner? I'd like to know how to do that!

*Challenge Complete? Yes!*

Spoiler

Share 2 LIKES Reply

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