Free Trial

Weekly Challenge

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

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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 ▸

< Weekly Challenge

Challenge #78: Find the Best Housing Markets

JoeM
Alteryx Alumni (Retired)

Last week's solution can be found HERE!

This week's challenge was brought to us by one of our own Community members and Weekly Challenge gurus: @NicoleJohnson. Nicole devised this challenge for her user group whilst looking for a challenge that would exercise many of the commonly used tools in Alteryx. If you ever have a challenge that you would like to be featured, please DM me!

As we all know, the housing market these days is going a bit crazy... we'd like to capture some census data on the value of new privately owned housing units in various metropolitan areas to see where the top 10 markets are YTD as of end of April (data lags about 2 months behind).
Our objective for this challenge is to capture Census data from the following URL: https://www.census.gov/construction/bps/txt/t3yv201704.txt
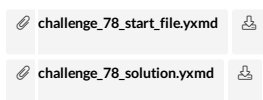We will then need to parse the data into the columns identified in text input #2, then sort to find the top 10 new housing markets based on value.

BONUS:
Build an app that will allow you to choose whether you want to look at value (the "v" in "t3yv" in the URL above) or units (which would look like "t3yu"), specify the through-date (year & month designated at the end of the txt file name, in the example above as "201704"), and which column you want to sort by (Total, 1 Unit, 2 Units, etc.)

This location will be one of the top performing markets

📎 **challenge_78_start_file.yxmd**   ⬇

📎 **challenge_78_solution.yxmd**   ⬇

Data Analysis   Data Preparation   Developer   Intermediate   Join   Parse   Preparation

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andre347
10 - Fireball

Well, I'm almost there. I'm just trying to optimise the line breaks it puts in automatically. Anyone found a quick way to do that?

▷ Spoiler

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New start file added!

MarqueeCrew
19 - Altair

Thanks Nicole for the challenge. :)

Cheers,
Mark

Alteryx ACE & Top Community Contributor

Chaos reigns within. Repent, reflect and restart. Order shall return.
Please Subscribe to my youTube channel.

📎 **challenge_78_MarqueeCrew.yxmd** 📥

Laurap1228
11 - Bolide

I built the workflow first then changed it a bit to create the bonus App

▷ Spoiler

📎 **challenge_78_LP.yxmd** 📥

📎 **challenge_78_LP.yxwz** 📥

LordNeilLord
15 - Aurora

I went a bit overboard with the Regex on this one...but I was determined to Parse the whole thing straight from the download tool! I need to get better at my Regex to reduce the number of tools needed.

▷ Spoiler

📎 **challenge_78_LNL.yxwz** 📥

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estherb47
15 - Aurora

@NicoleJohnson, this was a fun one!!!

Tried to be streamlined with my tools.

▷ Spoiler

📎 **challenge_78_EHB_APP.yxwz** 📥

📎 **challenge_78_EHB_workflow_solution.yxmd** 📥

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a_anderson
5 - Atom

Mine is quite clunky but it works.

📎 **Challenge_78_Adam_Anderson.yxmd** ⬇

📎 **Challenge_78_Adam_Anderson.yxwz** ⬇
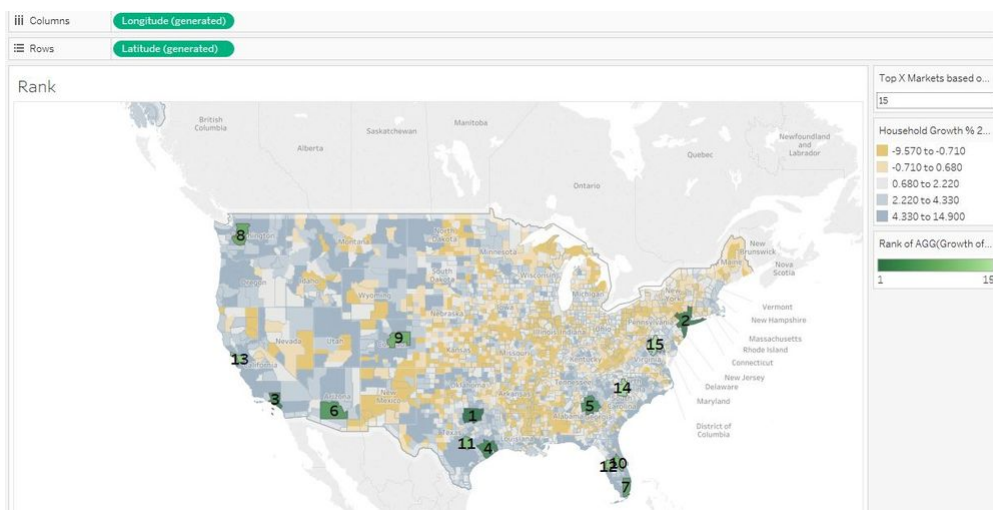
Share   👍 0 **LIKES**   Reply

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alex
11 - Bolide

Solved w/o going down the RegEx path. I didn't attempt the bonus, but I did output into Tableau to allow you to select top 10, 25, 50 or what ever you choose for the top markets.

▷ Spoiler

📎 **challenge_78_AC.yxmd** ⬇

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alex
11 - Bolide

It wouldn't let me attach the tableau workbook. PM me if you'd like me to email you a copy. The error received was "The contents of the attachment doesn't match its file type." Not sure why that is happening?

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