

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!

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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!

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[Weekly Challenge](#)

Challenge #69: Web Stock Data



The solution to last week's challenge is [HERE](#).

Date	Open	High	Low	Close	Volume	Adj Close
2017-04-28	15.28	15.99	15.28	15.99	176400	15.99
2017-04-27	15.11	15.737	15.11	15.737	138100	15.21
2017-04-26	15.35	15.35	15.35	15.35		15.17
2017-04-25	15.35	15.35	15.35	15.35		15.36
2017-04-24	15.35	15.35	15.35	15.35		15.36
2017-04-21	15.35	15.35	15.35	15.35		15.36
2017-04-20	15.35	15.35	15.35	15.35		15.36
2017-04-19	15.35	15.35	15.35	15.35		15.36
2017-04-18	15.35	15.35	15.35	15.35		15.36
2017-04-17	15.35	15.35	15.35	15.35		15.36
2017-04-16	15.35	15.35	15.35	15.35		15.36
2017-04-15	15.35	15.35	15.35	15.35		15.36
2017-04-14	15.35	15.35	15.35	15.35		15.36
2017-04-13	15.35	15.35	15.35	15.35		15.36
2017-04-12	15.35	15.35	15.35	15.35		15.36
2017-04-11	15.35	15.35	15.35	15.35		15.36
2017-04-10	15.35	15.35	15.35	15.35		15.36
2017-04-09	15.35	15.35	15.35	15.35		15.36
2017-04-08	15.35	15.35	15.35	15.35		15.36
2017-04-07	15.35	15.35	15.35	15.35		15.36
2017-04-06	15.35	15.35	15.35	15.35		15.36
2017-04-05	15.35	15.35	15.35	15.35		15.36
2017-04-04	15.35	15.35	15.35	15.35		15.36
2017-04-03	15.35	15.35	15.35	15.35		15.36
2017-04-02	15.35	15.35	15.35	15.35		15.36
2017-04-01	15.35	15.35	15.35	15.35		15.36
2017-03-31	15.35	15.35	15.35	15.35		15.36
2017-03-30	15.35	15.35	15.35	15.35		15.36
2017-03-29	15.35	15.35	15.35	15.35		15.36
2017-03-28	15.35	15.35	15.35	15.35		15.36
2017-03-27	15.69	15.69	15.69	15.69	594200	15.23
2017-03-24	17.25	17.5	17.25	17.5	8660500	15.5

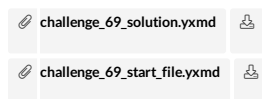
Today's challenge is for all our investors out there! Say you wanted to perform your own unique analyses on a stock, or at least have its trends handy for notification if it was hitting an established threshold of yours. How would you obtain this data?

For our challenge, we'll be using Yahoo Finance! Use the URL below to gather useable (parsed; tabulated format) stock data on AYYX (Alteryx!):
<http://chart.finance.yahoo.com/table.csv?s=AYYX>

As of May 2017—the Yahoo API has closed its service. Instead please use the following URL to get historical data:
<https://www.google.com/finance/historical?output=csv&q=AYYX>

²Due to differences in the API services—there will be no field in the resulting response for "Adj Close"

As of December 2017, the previously used URL produces an error. We've updated this Challenge to point to a new link to download a dataset on attributes of mushrooms. The Start File and Solution have been updated to reflect this change. Happy Challenging!



Basic Data Preparation Parse Preparation

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patrick_digan
17 - Castor

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BenMoss
ACE Emeritus

Learn some new things thanks to this one!

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MarqueeCrew
19 - Altair

same as patrick

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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Joe_Mako
12 - Quasar


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alex
11 - Bolide

I took it a little further to practice with iterative macros and provided a 50 day moving average and 52 week high and low for each day. Volume is a bit skewed since the first day of trading was much larger than normal, but that will auto correct once there are more than 50 days in the data set.


▷ Spoiler

 challenge_69_AC.yxzp 

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alex
11 - Bolide

@Joe_Mako- Nice solution. Took me a bit to figure out the configuration of the second tool, but I got it to work.

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ACE

NicoleJohnson

15 - Aurora

My solution - just for kicks, I went a bit of a different route and created an app.

I figured if you had this data and you were looking for certain criteria (such as Adj Close price changed by more than +/- 5% from the prior day, or if it reached a price greater than or less than a certain value), you would want to know. So I added a Daily Change % calculation and then some app parameters. Set it up to just look at "yesterday's" results (i.e. last Friday if today is Monday, otherwise previous day). This would be easy enough to add another prompt asking for the stock symbol, which could then update the text input accordingly and get you results for any stock...

► Spoiler

challenge_69_NicoleJohnson.yxwz

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MarqueeCrew

19 - Altair

@NicoleJohnson,

Ok, go the extra mile. Try the yahoo finance API and get some real data! I like your approach and encourage you to use an API to deliver value.

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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DanG_dup_78

Alteryx Alumni (Retired)

I don't know the answer, but I'd definitely like to know what it is and then learn how to build it in Alteryx Designer for myself. Thanks!

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