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 #41: Analytics PayPeriodCalc

GeneR
Alteryx Alumni (Retired)

The link to last week's challenge (challenge #40) is HERE

This week's exercise looks at using Alteryx to calculate the number of weekdays during each pay period. Employees get paid twice monthly so the number of weekend days within a period can vary.

Objective: For each month and pay period, calculate the # of weekdays that make up the pay period (i.e. exclude weekend days from the calculation).

challenge_41_solution.yxmd

challenge_41_start_file.yxmd

Basic | Data Preparation | Parse | Preparation | Transform

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MattD
Alteryx Community Team

Here's a solution:

Spoiler

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brianprestidge
8 - Asteroid

Better Late Then Never!

Spoiler

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Joe_Mako
12 - Quasar

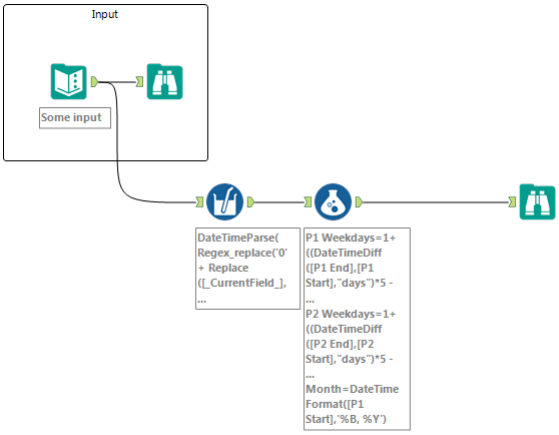
How about a Multi-Field Formula of:

```
DateTimeParse(Regex_replace('0' + Replace([_CurrentField_], '/', '/0'), '^0*(\d\d)/0*(\d\d)/0*(\d{4})', '$3-$1-$2'),'%Y-%m-%d')
```

to convert the strings into dates, and then a fomula step to count the weekdays like:

```
1+((DateTimeDiff([P1 End],[P1 Start],"days")*5 -
(ToNumber(DateTimeFormat([P1 Start],'%w'))-ToNumber(DateTimeFormat([P1 End],'%w')))*2) / 7) -
IF DateTimeFormat([P1 End],'%w')='6' THEN 1 ELSE 0 ENDIF -
IF DateTimeFormat([P1 Start],'%w')='0' THEN 1 ELSE 0 ENDIF
```

Both these formulas are based on posts from @jdunkerley79 the only change I made is to use DateTimeFormat([P1 End],'%w') to get the weekday number.



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SeanAdams
17 - Castor

Hi @GeneR / @TaraM- the startFile that's posted for this challenge (#41) appears to be the solution file for challenge 40 (it has the input data and solution canvas for #40).
Would you mind checking if this is something on my end, or if the challenge files may have been mixed up a little?

Thank you
Sean

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SeanAdams
17 - Castor

:-) did it a long way around (see below) - but very glad to see the super-efficient method from @Joe_Mako; and the solutions from @MattD & @brianprestidge

▷ Spoiler

Also added a macro that makes it really easy to check for differences in column name; or value across the provided output data, and your own solution (attached)

challenge_41_SeanSolution.yxzp

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NicoleJohnson
15 - Aurora

My solution. Had never used Generate Rows before, so had to do a little digging, but eventually figured it out.

▷ Spoiler

challenge_41_NicoleJohnson.yxmd

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estherb47
15 - Aurora

A different approach here. Separate into 2 streams for P1 and P2. Generate individual dates and then determine weekday of each. Filter out the weekends, and sum up to Month, Year for each Pay Period

Spoiler

challenge_41_EHB_solution.yxmd

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LordNeilLord
15 - Aurora

Solution:

Spoiler

challenge_41_LNL.yxmd

Share 0 LIKES Reply

MsBindy
8 - Asteroid

Took me a while, and mine looks different, but it seems to work.

After changing to date formats, used Min/Max to find date range for each month to deal with different days in each month.
Used Multi-Row to add a row for each day in each month
Added formulas to identify week days (0=Weekend, 1=Weekday), then categorized the date into the P1 or P2 range
Summarized final results.

challenge_41_MsBindy.yxmd

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