

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!

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Challenge #8: Aggregate Consumer Purchases



GeneR
Alteryx Alumni (Retired)

Aggregate Consumer Purchases:

For this week's exercise we will look at customer purchase behavior to decide if we should offer a "Meal Deal" that would add a side and drink to a purchase of pizza or a burger. The incoming data is larger than usual for these exercises so I have packaged the workflow as an Alteryx Package. The link to the solution for last challenge #7 is [HERE](#).

This week's Objective:

In order to decide if we should start including a new "Meal Deal" on our menu we want to study the potential impact on recent transactions. Please identify the number and percentage of orders since July 1, 2013 which include the following categories of food: Pizza OR Burger along with a Side and Drink.

Summary of Data:

Point of Sale data includes the ticket level information, and the lookup table categorizes items into higher level food categories.

Hint:

Don't forget to join to the lookup table and filter by date.

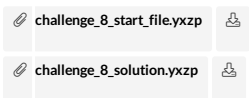
As always we look forward to your feedback and suggestions!

UPDATE 01/18/2016:

The solution has been uploaded.

UPDATE 12/28/2016:

The challenge, text and solution have been updated.



Basic Data Analysis Join Preparation Transform

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46 LIKES

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TaraM
Alteryx

Thanks for playing along. The solution has been uploaded to the article.

Tara McCoy

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0 LIKES

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wiese-til
5 - Atom

Thanks for sharing the solution, but in this case I'm wondering if it actually fits with the instructions of the exercise. Those ask for orders that have a burger or pizza and a salad. The way I understand the solution however identifies those orders that have a burger or pizza and a side. Am I missing something?

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@wiese-til

You are corect, the workfolw does not match the text. The Objective should read:

We are thinking of including a new "Meal Deal" on our menu and want to study the potential impact on recent transactions. Identify the number and percentage of tickets since June 2013 which include the following categories of food: Pizza OR Burger along with a Side and Drink.

Great catch, thanks for letting us know!

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Decision Date TomWelgemoed
12 - Quasar

Hi,

Maybe a subtle language point, but I think the "since June 2013" text is misleading - I see the solution filters from July onwards. I took that to mean from the start of June.

Either way, another good exercise, so thanks for that.

Regards,
Tom

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Decision Date TomWelgemoed
12 - Quasar

I've added a slightly different approach for anyone who is interested - if I may say so I think it's slightly cleaner. You don't need the parsing tools in this workflow, but I think in a real-world scenario your data is unlikely to be as clean as the example, so would then be useful.

Exercise 8.yxzp

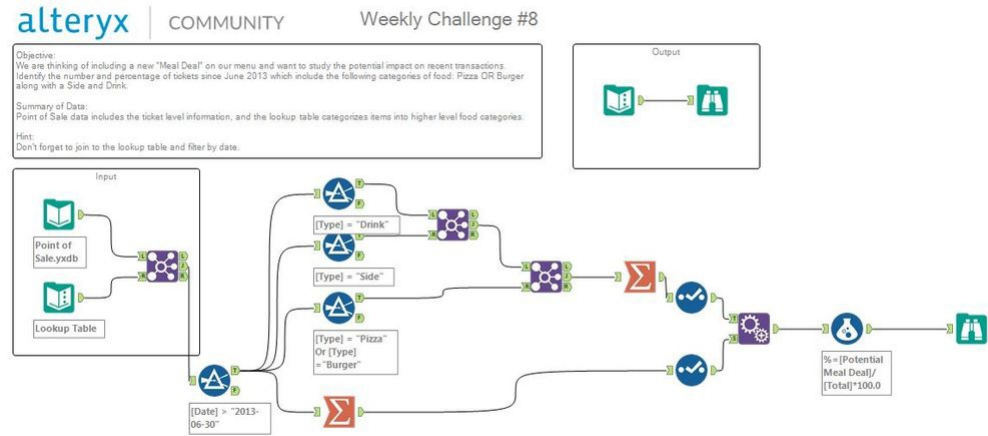
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kconner
6 - Meteoroid

I perhaps made a long-form solution without the use of a flag table. Basically I broke the tables apart with filters and used the Unions to help remove the Tickets without the food types we needed. A basic count of all tickets vs the tickets that remained after the unions made the formula possible.



sol. #8

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9 LIKES

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ACE mceleavey
17 - Castor

I think my approach is similar to others:

▷ Spoiler



challenge_8_solution.yxmd

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5 LIKES

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ACE SeanAdams
17 - Castor

Very similar solution to [@TomWelgemoed](#)

▷ Spoiler

challenge_8_Seansolution2.yxmd

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ACE MarqueeCrew
19 - Altair

[@Joem](#).

Lots of edits.

Alteryx ACE & Top Community Contributor

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

challenge_8_MarqueeCrew.yxzp

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