

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

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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Challenge #1: Join to Range



GeneR
Alteryx Alumni (Retired)

Here at Alteryx we know the importance of growing our experience at solving data and business problems. Almost weekly (~40+ times a year) we share an Alteryx challenge with our internal Alteryx users and then we all develop our own solutions. Later we review our solutions in small groups.

Since many Alteryx users have expressed an interest in having us share these exercises, we have created this new section of the Community. The intent is to share and exercise about once a week on Monday. Some of the exercises will be easy and some you will find more challenging. The goal is to expose everyone to more of the things Alteryx can do and hopefully everyone will take away an idea or two on how to approach different challenges. The following week we will post a new challenge as well as an example solution to the previous week's challenge.

We hope you enjoy the exercises.

Exercise #1 Join to Range:

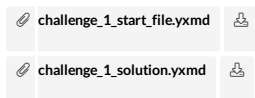
A company in Australia has source data which is made up of a series of postal codes (eg. 2000, 2001, 2002 etc.) amongst some other data fields. They have a separate reference table which contains postcode ranges (eg. 2000 to 2002) which they would like to use to match/filter their main data.

Each Customer Record needs to be joined to the Lookup table based on a Postal Area Ranged region. Then finally summarize the customer data by Region, Sales Rep, and Responder, then a count of customers.

Check and see what the result should look like by looking at the data labeled 'Output'. Your mission is to take the input files and blend them so your result matches the output shown. Good luck!

UPDATE 11/16/2015:

I have posted a solution to challenge #1 from last week. It is a good example to show the usefulness of the generate rows tool. Please keep in mind that this is just one solution using Alteryx to solve the problem, there can be many other solutions and approaches to the problem. Hopefully you had fun and learned something new in the process.



Data Preparation Intermediate Join Parse Preparation Transform

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ACE MarqueeCrew
19 - Altair

Now I'm really sorry that I don't have my laptop with me.

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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2 LIKES

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s_pichaipillai
12 - Quasar

do we need to post our solution for the exercises :)

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[Share](#) 4 LIKES[Reply](#)**cbridges**
11 · Bolide

OK, I'm a little late to this party, but I like it! I'm fairly new to Alteryx and self-taught, so I'm curious about your thoughts on my solution vs. yours.

SPOILER ALERT

Since Postal Code is an integer and there were only a few ranges, I just created a formula for Range in the customer database. If $> \text{Start AND } \leq \text{End}$ then Start-End.

I know there are many, many different ways to do something, but at the same time I'm open to learning from others with more experience.

Is there any reason not to do it the way I did, or a reason you chose the split and multi-row solution as your go-to?

Thanks in advance for any insight.

@thizviz

[Share](#) 2 LIKES[Reply](#)**MarkN**
5 · Atom

Just did this exercise. The solution that Gene offered is a more generalized solution because if we had a huge number of sales reps (let's assume over 1000), we won't be able to program all of that by hand in a formula in the customer database.

[Share](#) 1 LIKE[Reply](#)**deepu**
5 · Atom

Hi, I am new to this forum and I took the first challenge and I used the **Tile component** to obtain the same result. Please let me know if that is fine or the solution posted is the easiest way to obtain the result

[Share](#) 1 LIKE[Reply](#)**GeneR**
Alteryx Alumni (Retired)

No right or wrong way. Many ways to solve the same problem with alteryx...

Gene Rinas

[Share](#) 3 LIKES[Reply](#)**mceleavey**
17 · Castor

Simple enough, and a nice introduction to the "Generate Rows" tool.

▷ Spoiler

bulien

[challenge_1_solution.yxmd](#)[Share](#) 9 LIKES[Reply](#)**Max06270**
7 · Meteor

Nice challenge, I used the formula into the generate row tool to recalculate the postal codes.

▷ Spoiler

