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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!
SUBMIT FEEDBACK ▸

Challenge #26: Service Technician Travel Distance

GeneR
Alteryx Alumni (Retired)

The link to last week's challenge (challenge #25) is HERE

This week's challenge is a use case faced by one of our customers that can leverage the geo-spatial tools available in Alteryx. If you have the spatial data available you can output your results as drive-distance, in the event that you do not have the drive-distance data available, please use the straight-line distance. The basic tools and setup of the data needed will be identical. Output results will be provided for both methods. In the event that you use drive-distance and your results vary slightly from the sample output, it may be due to variance in the data set used for the exercise.

Use Case: in order to audit their employee expense reports, a service company would like to calculate how far (in miles) their technician is traveling from their hotels, to the worksite, then to their destination hotel on a daily basis.

The Data: The source is collected in a way that record 1 contains the spatial object for the beginning hotel for day 1, record 2 is the spatial object for the worksite for day 1, and record 3 is the spatial object for the ending hotel for day 1. This pattern repeats for three successive days.

Find the distance on a daily basis the technician is either driving or straight line distance if you don't have the spatial data available.

Enjoy!

📎 **challenge_26_start_file.yxmd**

📎 **challenge_26_solution.yxmd**
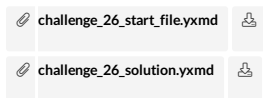
`Intermediate` `Join` `Preparation` `Spatial` `Spatial Analysis` `Transform`

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TaraM
Alteryx

A solution has been uploaded

▷ Spoiler

Tara McCoy

Share   👍 **4 LIKES**   **Reply**

LeahK
Alteryx Community Team

Challenge accepted :)

▷ Spoiler

📎 **challenge_26_NOmulti-row_LK.yxmd**

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19 - Altair

@JoeM,

Here's my abbreviated take on this one.... I followed a different path from @LeahK :)

Alteryx ACE & Top Community Contributor

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

🔗 **challenge_26_MarqueeCrew.yxmd**   ⬇️

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SeanAdams
17 - Castor

solution attached - slightly different approach

▷ Spoiler

🔗 **challenge_26_SeanSolution.yxmd**   ⬇️

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NicoleJohnson
15 - Aurora

I used straight-line distance for this one. I feel like there was probably another way that wouldn't involve Tiles & Cross-Tab, but it worked... :)

▷ Spoiler

🔗 **challenge_26_NicoleJohnson.yxmd**   ⬇️

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estherb47
15 - Aurora

My solution looks very much like @NicoleJohnson's

▷ Spoiler

🔗 **challenge_26_EHB_solution.yxmd**   ⬇️

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LordNeilLord
15 - Aurora

A nice easy one to start the day with

▷ Spoiler

🔗 **challenge_26_LNL.yxmd**   ⬇️

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Laurap1228
11 - Bolide

I really liked this one :) I always feel smart when I solve the challenge quickly.

▷ Spoiler

🔗 **challenge_26_LP.yxmd**

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A_Twa
8 - Asteroid

I arrived at a similar solution to the 'official' one. Although I *did* have to solicit some help from a colleague who ultimately put me on the right path.

🔗 **challenge_26_start_file_AJT.yxmd**

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‹ **1** 2 3 ... 72 ›

La

A

D