

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.



SIGN IN



Free Trial

Weekly Challenge

Solve the challenge, share your solution and summit the ranks of our Community!

Also available in | Français | Português | Español | 中文

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 #51: Spatial County Coverage



GeneR
Alteryx Alumni (Retired)

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

Wow, exercise #51 already. Can't believe it has been nearly a year!

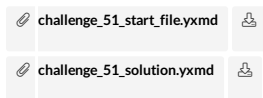
For this week I would like to investigate some of the geospatial tools available in Alteryx. The spatial tools will allow you to calculate distances, create trade areas, find intersection of spatial objects, calculate sizes, etc.. Even if you don't have the spatial data from Alteryx (the spatial data provides supporting data packages for geocoding, address standardization and calculations using the road network), most of the tools will still perform as long as you have the spatial references or objects already available in your input data.

Use Case: For regulatory purposes we have been asked to identify the all the counties within a 15-mile radius of each of our stores as well as identifying the percent of the county's area that is overlapped (Coverage).

Objective:

Part 1) Calculate the percent overlap by individual store

Part 2) Calculate the percent of overlap by county for the entire store network



Intermediate Join Preparation Spatial Spatial Analysis Transform

Share



11 LIKES

Reply



Joe_Mako
12 - Quasar

► Spoiler

Share



1 LIKE

Reply



MichelKars
6 - Meteoroid

A little late but here's my solution.

► Spoiler

Share



0 LIKES

Reply



TaraM
Alteryx

A solution has been posted

This site uses different types of cookies, including analytics and functional cookies (its own and from other sites). To change your cookie settings or find out more, [click here](#). If you continue browsing our website, you accept these cookies.

Reject

I AGREE

LEARN MORE

[Share](#) 0 LIKES[Reply](#)

NicoleJohnson
15 · Aurora

Solution. Appears to be very similar to @MichaelKars...

▷ Spoiler



 challenge_51_NicoleJohnson.yxmd 

[Share](#) 1 LIKE[Reply](#)

SeanAdams
17 · Castor

Similar to those posted above, 'cept...

▷ Spoiler

 challenge_51_SeanSolution.yxmd 

[Share](#) 0 LIKES[Reply](#)

estherb47
15 · Aurora

Same approach here. Love using Spatial Match with Intersect :)



 challenge_51_EHB_solution.yxmd 

[Share](#) 0 LIKES[Reply](#)

LordNeilLord
15 · Aurora

I do love me some spatial matching!

▷ Spoiler

 challenge_51_LNL.yxmd 

[Share](#) 0 LIKES[Reply](#)

LordNeilLord
15 · Aurora

I posted in the wrong place :/

[Share](#) 1 LIKE[Reply](#)

nick_ceneviva
11 · Bolide

Solution attached

