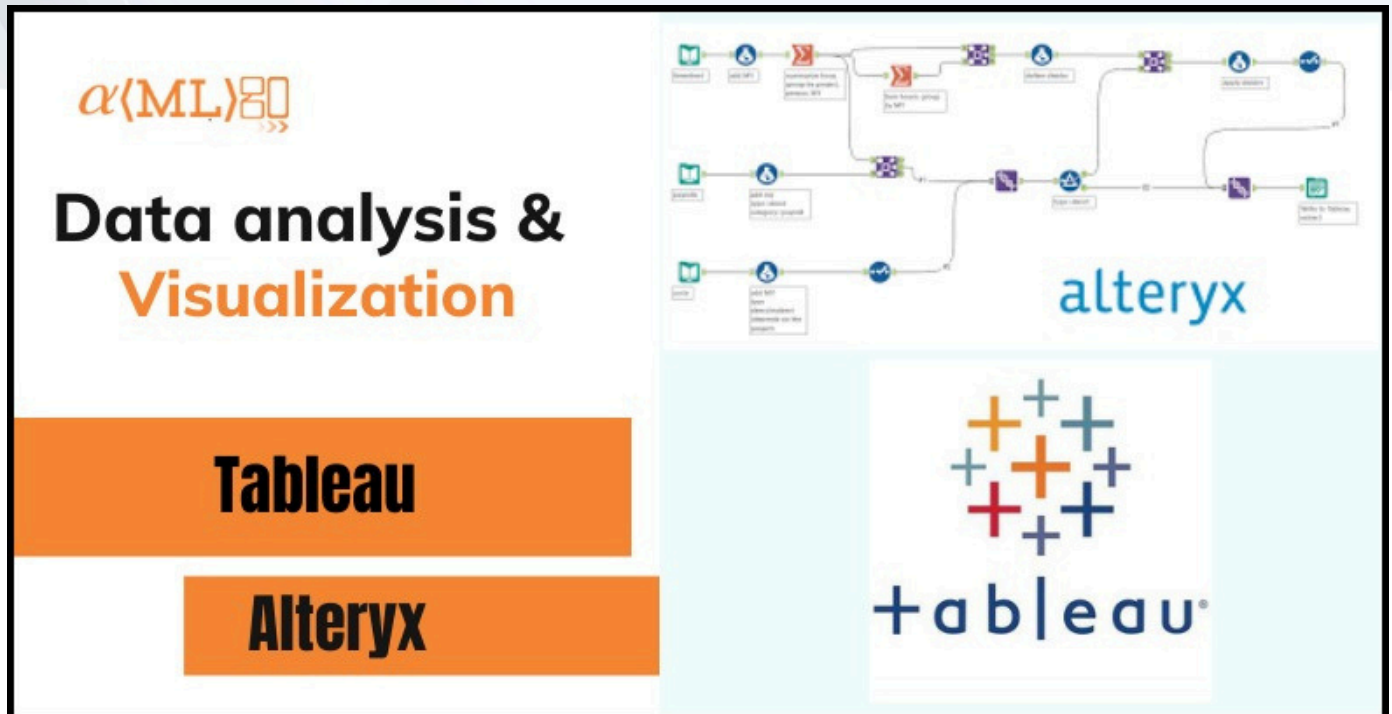


Creating Beautiful Maps with Alteryx and Tableau



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Creating Beautiful Maps with Alteryx and Tableau

Maps are a powerful tool for visualizing and understanding spatial data. They allow us to see patterns, trends, and relationships in our data that may not be immediately apparent in tabular form. In this blog, we'll explore how to use Alteryx and Tableau to create beautiful, interactive maps that can help you make better data-driven decisions.

Before we dive into the details, it's important to note that there are many different ways to create maps with Alteryx and Tableau. In this blog, we'll focus on two specific approaches:

1. Using Alteryx to geocode and prep your data, and then using Tableau to create the final map visualization.

2. Using Alteryx and Tableau together to create dynamic, interactive maps that allow you to drill down into your data and see more granular details.

So let's get started!

Using Alteryx to Geocode and Prep Your Data



The first step in creating a

map with Alteryx and Tableau is to geocode your data. Geocoding is the process of assigning latitude and longitude coordinates to your data based on a specific location. This is important because Tableau (and most other mapping tools) requires latitude and longitude coordinates in order to plot data on a map.

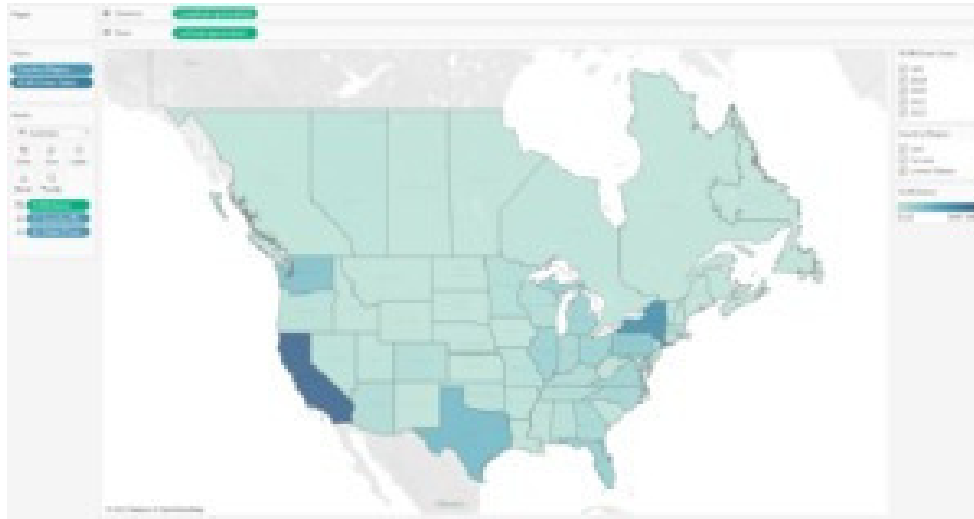
There are a few different ways to geocode your data in Alteryx, but one of the easiest is to use the "Street Geocoder Tool" tool. This tool allows you to input a list of addresses, and it will output the corresponding latitude and longitude coordinates.

To use the "Street Geocoder Tool" tool, simply drag it onto your canvas and connect it to your input data. Then, specify which field in your data contains the addresses that you want to geocode. Once you've geocoded your data, you may want to do some additional data prep in Alteryx. This could include things like cleaning and standardizing your data, aggregating it to different levels (e.g., by city, region, etc.), or performing calculations on it. The specific steps you'll need to take will depend on your specific data and use case.

Once you've finished preparing your data in Alteryx, you can then output it as a .csv file and bring it into Tableau to create the final map visualization.

Using Tableau to Create Beautiful Maps

specific year, and then use that parameter to filter the data displayed on the map.



Creating Beautiful Maps with Alteryx and Tableau: Tips and Best Practices

Here are a few tips and best practices to keep in mind when creating beautiful maps with Alteryx and Tableau:

1. Make sure your data is clean and accurate. Before you start creating your map, take the time to clean and standardize your data. This will help ensure that your map is accurate and easy to understand.
2. Use appropriate map types and visualizations. Different map types and visualizations are better suited for different types of data and use cases. For example, a point map may be appropriate for showing the locations of specific events or points of interest, while a choropleth map may be better for showing the distribution of a metric across a geographic region.
3. Use appropriate map scales. Make sure that the map scale is appropriate for the data you are visualizing. For example, if you are showing data at the state level, you don't want to zoom in too far, as this will make it difficult to see the overall patterns in your data. On the other hand, if you are showing data at the city level, you may want to zoom in closer to see more granular details.
4. Use appropriate map layers. Map layers can help add context and clarity to your map. For example, you might want to include map layers that show country or state borders, city labels, or points of interest. Just be careful not to overdo it, as too many map layers can make your map cluttered and difficult to read.
5. Make your map interactive. By allowing users to filter and drill down into your data, you can create more engaging and interactive maps. This can

help users better understand and explore your data, and can make your map more useful and valuable.

Conclusion

Creating beautiful maps with Alteryx and Tableau is a powerful way to visualize and understand spatial data. By using Alteryx to geocode and prep your data, and Tableau to create the final map visualization, you can create dynamic, interactive maps that allow you to explore your data in new and meaningful ways. Whether you're a data scientist, a business analyst, or just someone with a curious mind, using Alteryx and Tableau to create maps can help you see the world in a whole new way.