Objective – Add a custom map to the Shape Map

Scenario: The customer wants a map with a specific set of geographical shapes. These are not among the built-in maps offered. You can create a suitable file or find one. In this example, we will use the geojson file from this GitHub Repo: [world.geo.json/countries.geo.json at master · johan/world.geo.json · GitHub](https://github.com/johan/world.geo.json/blob/master/countries.geo.json).

Converting the file format

The file format provided is a geojson; note the built-in shape map visual expects the file to be in a topo JSON format. To convert the file, we will use this website - <https://mapshaper.org/>.

1. Upload the source file to Mapshaper
2. Open the console, enter the following 'proj wgs84,' then press enter.

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1. Depending on the size of the original file, it might need to simplify
2. Finally, export the file using the 'TopoJson' file format.

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Add the 'Shape Map' visual to the report page.

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Add the location field to the location data box. Note that this MUST contain a value that matches a value stored against the polygon in the TopoJSON field.

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In the diagram below the 'Default' shape map is the USA states. Some of the shapes have been matched against the original data set

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The reason why some of the values match is that the 'Map Type Key' is shown below.

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Some of the two letter 'country' codes contained in the field 'countryOrRegion' match values in the' postal' column.

The next step is to add a custom map file; this is done in the following steps.

1. Click 'Map type' from the pull-down menu and select 'Custom map.'

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Once selected the custom map, then click on 'Browse…' to find the TopoJSON file that was created already.

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Once the 'TopoJSON' file has been uploaded, the polygons should appear in the map visual. Check the 'Map Keys'; these must match the value in the data set for the polygon to be displayed when the data on the page is cross-filtered. In this example, the match is done on ‘countryOrRegion’ to ISO\_A2.

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