CUSTOM GEOGRAPHIC MAP IN POWER BI

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Document Release Notice

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Case Study:

Create Custom India Map with District wise demarcation.

Challenges:

- **♦ DEVELOPMENT OF CUSTOM**MAP IS NOT A DEFAULT
 FEATURE IN POWER BI.
- MAPS WITH GRANULARITY OF DISTRICT WISE DEMARCATION IS NOT AVAILABLE.
- POWER BI UTILIZES TOPOJSON FILE TO PLOT GEOGRAPHIC MAP RATHER THAN GEOJSON.

Feature Details

- Customize Maps in Power BI using Shape Map.
- District level granularity with their arcs.
- Conversion of GeoJSON to TopoJSON using mapshaper
- * It can be used to plot custom Maps of any territory, region.

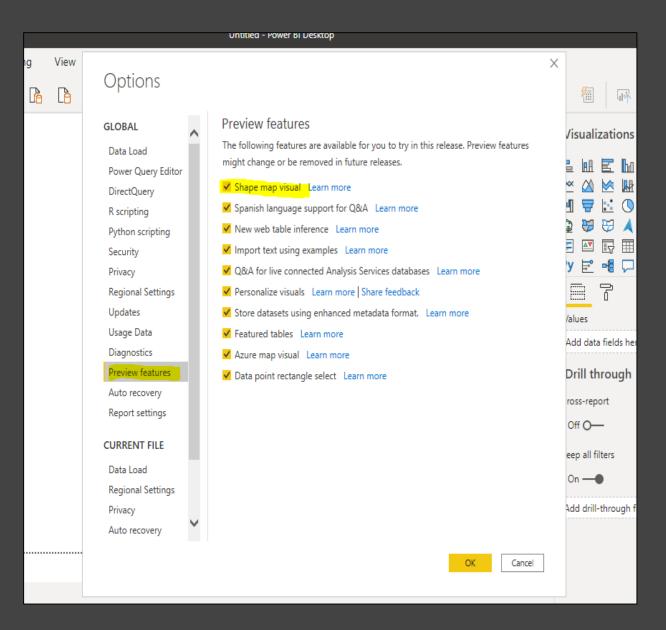
Microsoft Tools/Technologies

Power BI

SOLUTION:

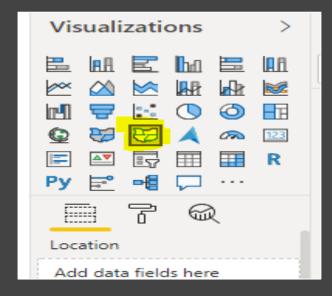
- ☐ Custom Map in Power BI can be created through Shape Map visual.
- ☐ Shape Map visual is hidden by default. It can be enabled by navigating to

File -> Options and settings -> Options -> Preview features
In the Features options tick the checkbox of Shape map visual

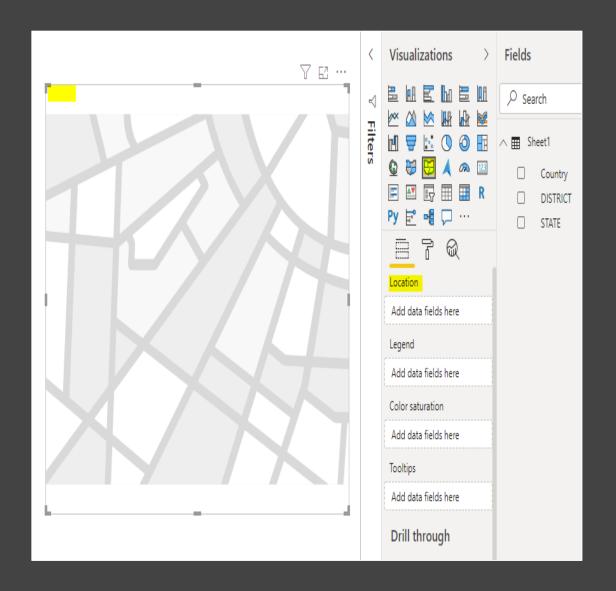


☐ You will see a new shape visual map being added in the Visualizations pane as shown

below.



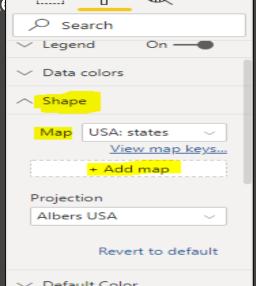
☐ Select this visual and drag it to canvas and select location field to plot map.

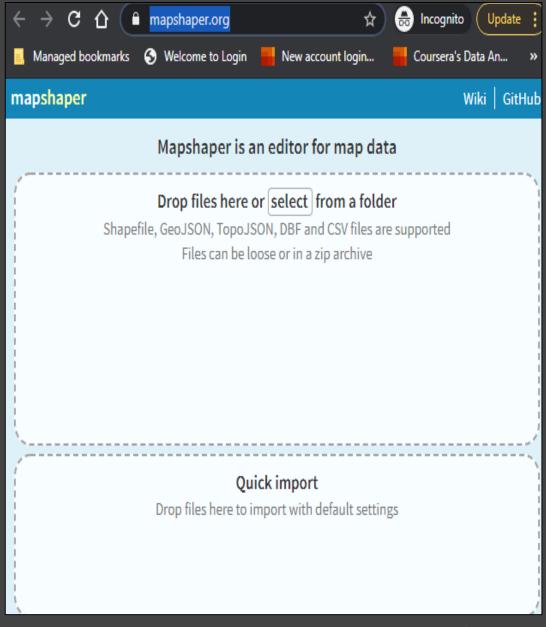


- ☐ Once shape map is ready, next we have to prepare custom map plot in TopoJSON format.
- ☐ Take the India's GeoJSON file (.json format) and convert it to TopoJSON format using the following link.

Link: https://mapshaper.org/

☐ Upon conversion, add this TopoJSON in the Shape Map's Shape formatting in Power BI as shown in the Shape Topological Shape Shape





- ☐ After adding the TopoJSON you will see India map with District wise demarcation as below.
- ☐ We have successfully solved the challenge.

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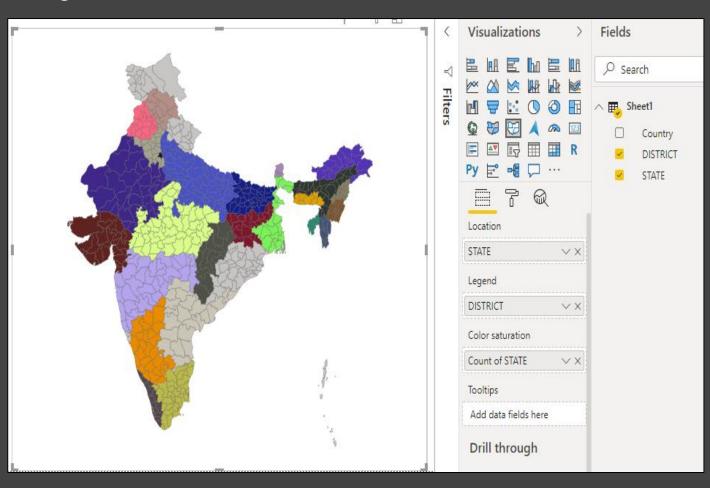
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Sample JSON File



THANK YOU