

# **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

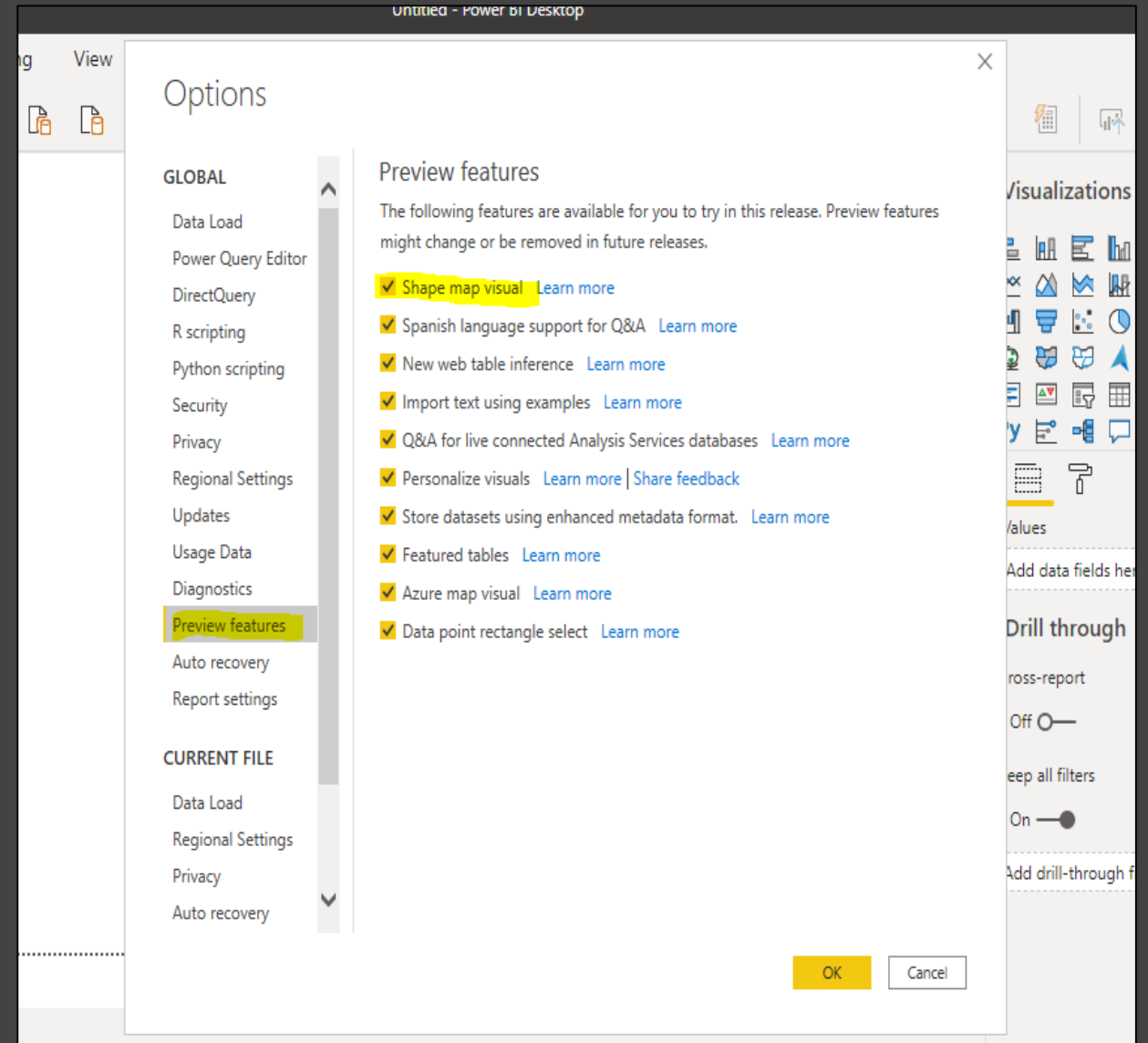
- ❖ Customize Maps in Power BI using Shape Map.
- ❖ District level granularity with their arcs.
- ❖ Conversion of GeoJSON to TopoJSON using mapshaper
- ❖ It can be used to plot custom Maps of any territory, region.

## Microsoft Tools/Technologies

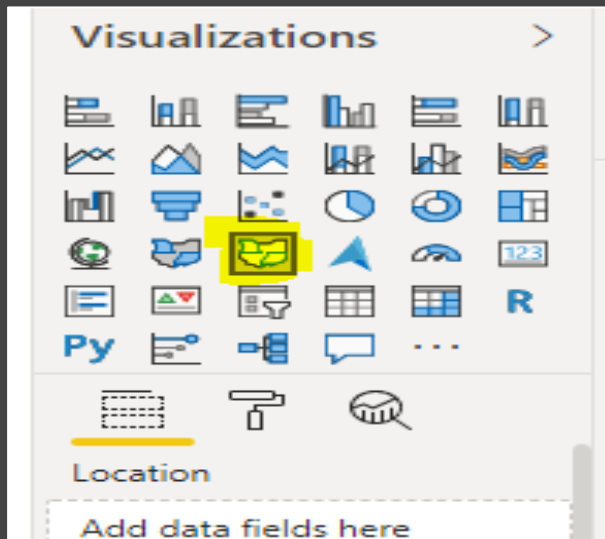
Power BI

## SOLUTION:

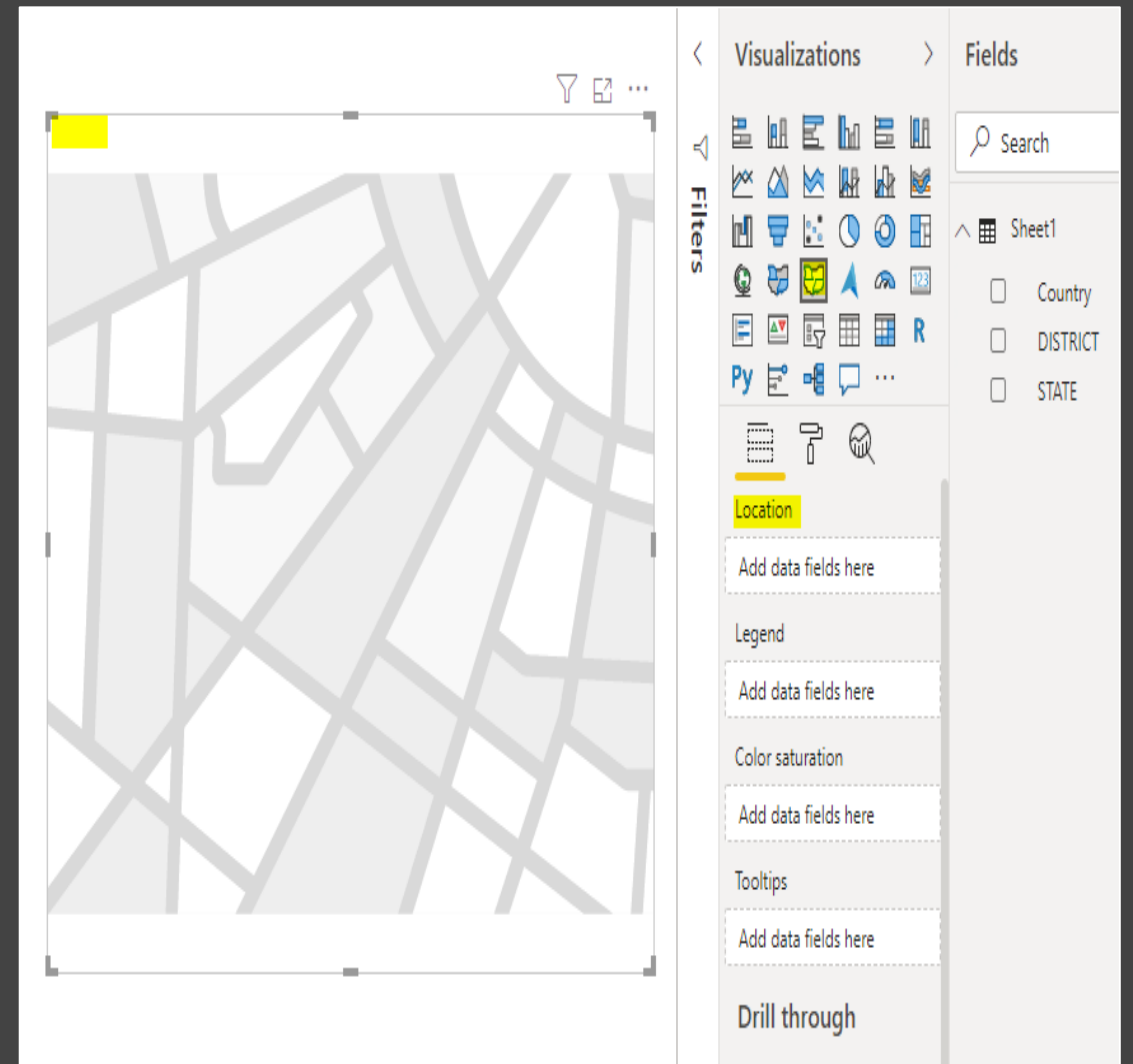
- ❑ Custom Map in Power BI can be created through Shape Map visual.
- ❑ Shape Map visual is hidden by default. It can be enabled by navigating to  
File -> Options and settings -> Options -> Preview features  
In the Features options tick the checkbox of Shape map visual



- ❑ You will see a new shape visual map being added in the Visualizations pane as shown below.



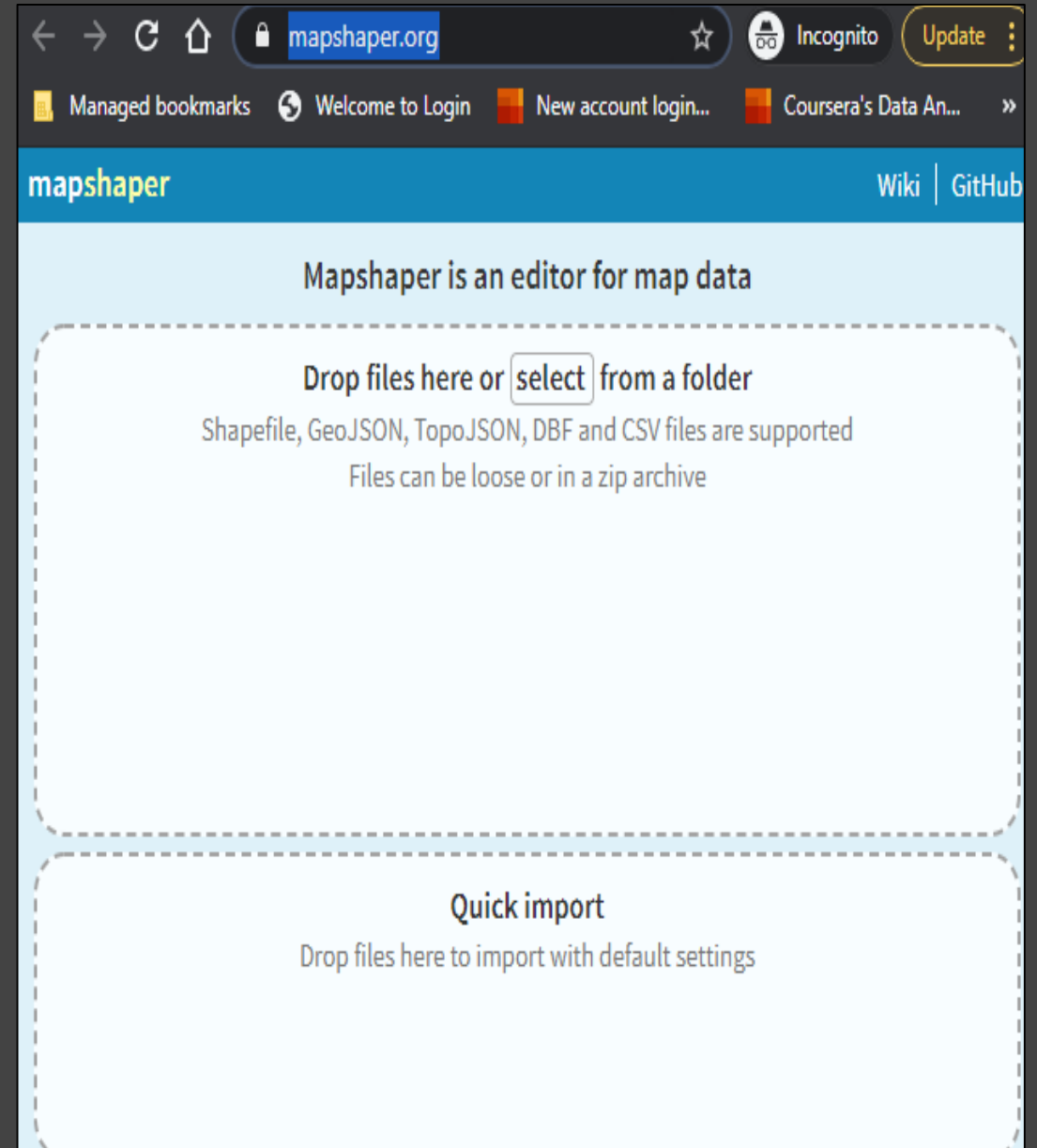
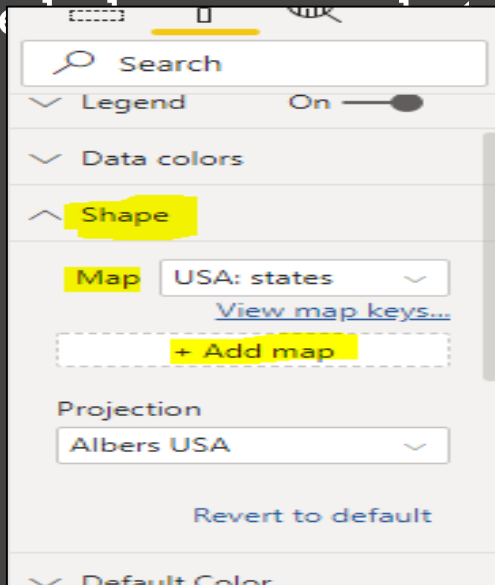
- ❑ Select this visual and drag it to canvas and select location field to plot map.



- ❑ 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

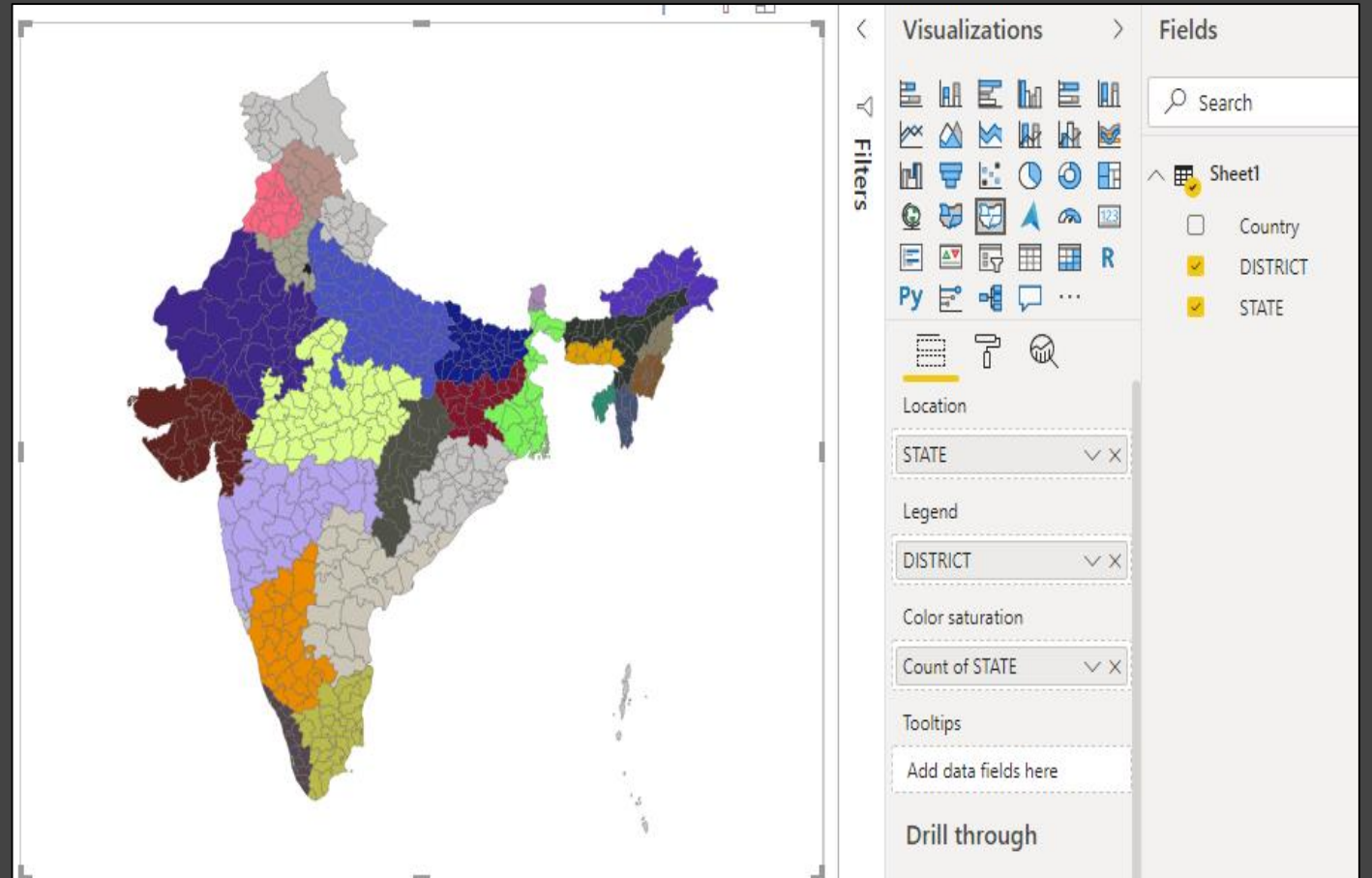


❑ After adding the TopoJSON you will see India map with District wise demarcation as below.

❑ We have successfully solved the challenge.

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  }
}
```

Sample JSON File





**THANK YOU**