DATA ANALYTICS WITH TABLEAU

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DATA SET:

SAMPLE-SUPERSTORE.XLS

TASK

Assignment-4

Task 1:- Create one fixed and one exclude LOD expression.

Task 2: Create any 2 map visualizations using geographical data.

Task 3: Create Top N and/or Dynamic dimension parameters and utilize those in your workbook.

Explain LOD Expression, Map Visualizations using geographical data and Top N, Dynamic dimension Parameters

LOD Expression :- **Level of Detail (LOD) expressions** are used to run complex queries involving many dimensions at the data source level instead of bringing all the data to Tableau interface.

Different types of LOD functions :- There

are three types LOD functions:-

1) Fixed 2) Include

3) Exclude

Map Visualization using geographical data :-

Tableau is a tool for analyzing geographical data. It can automatically turn location data into interactive maps.

ZOOM Levels :- 16

In Map Visualization, Geographical fields are double click on the field the data pane and tableau will create a map using generated latitude and longitude fields. **Top N Parameter:-**

Top N parameter uses a value selected by the user, where N is a value. The value can be static or controlled by a parameter.

Top N parameter is also known as Bottom N**.**

Tableau allows users to filter and display a certain percentage of their data.

Dynamic Dimension Parameters:-

Create a Parameter. Create a new Parameter that lists your dimensions.

Create a Calculated field that will be used as a dimension in your worksheet. Dimension to display when a particular parameter value is selected.

Add the calculated fields to the canvas.

1) Colours
2) Filters
3) Select any ratings or price ranges.

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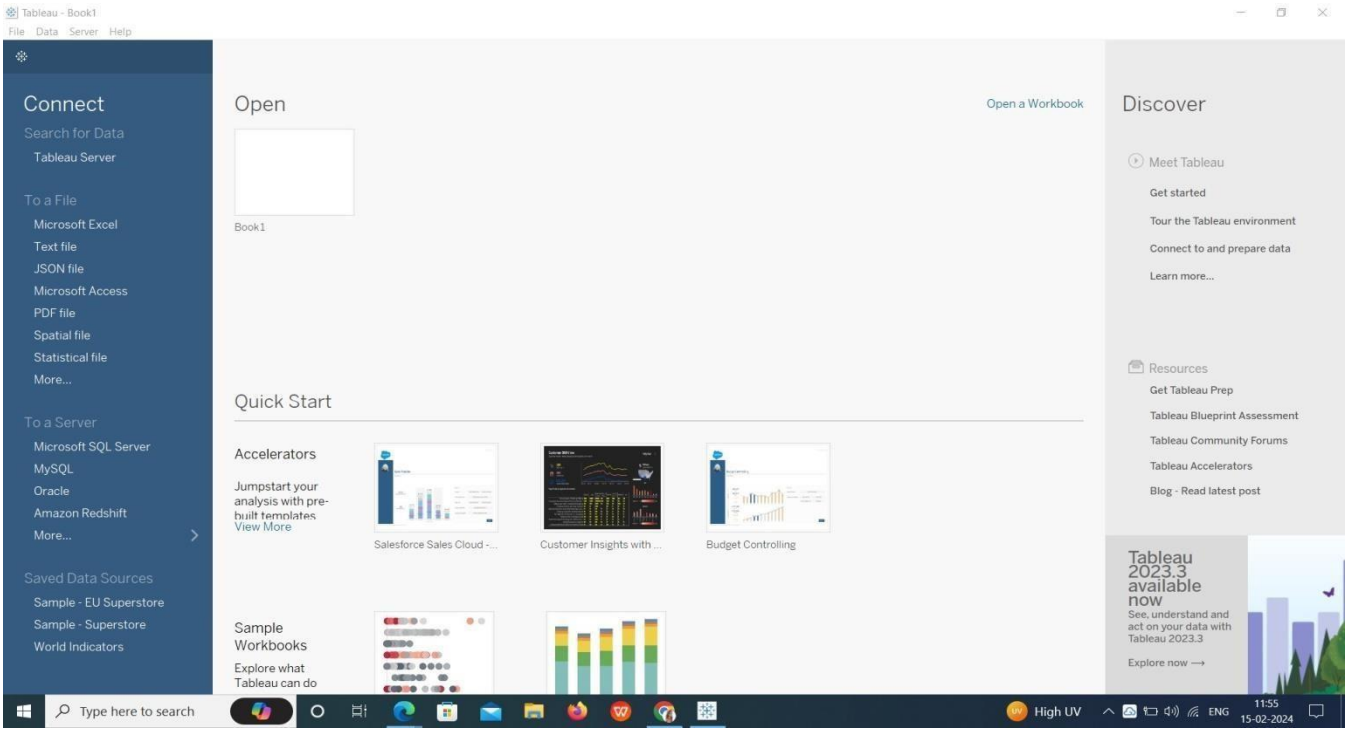
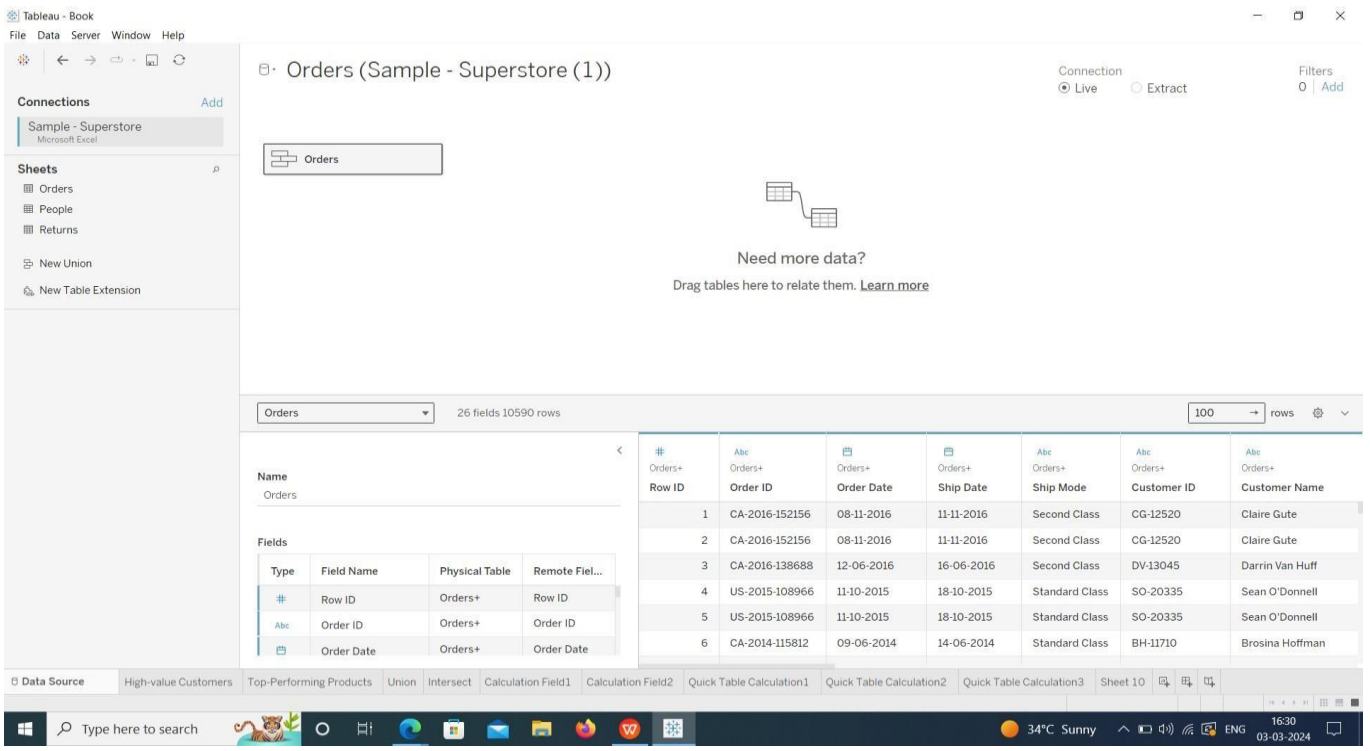
Tableau Starting:-



Upload the DataSet in Tableau:-



Create One Fixed LOD Expression and one exclude LOD expression:-

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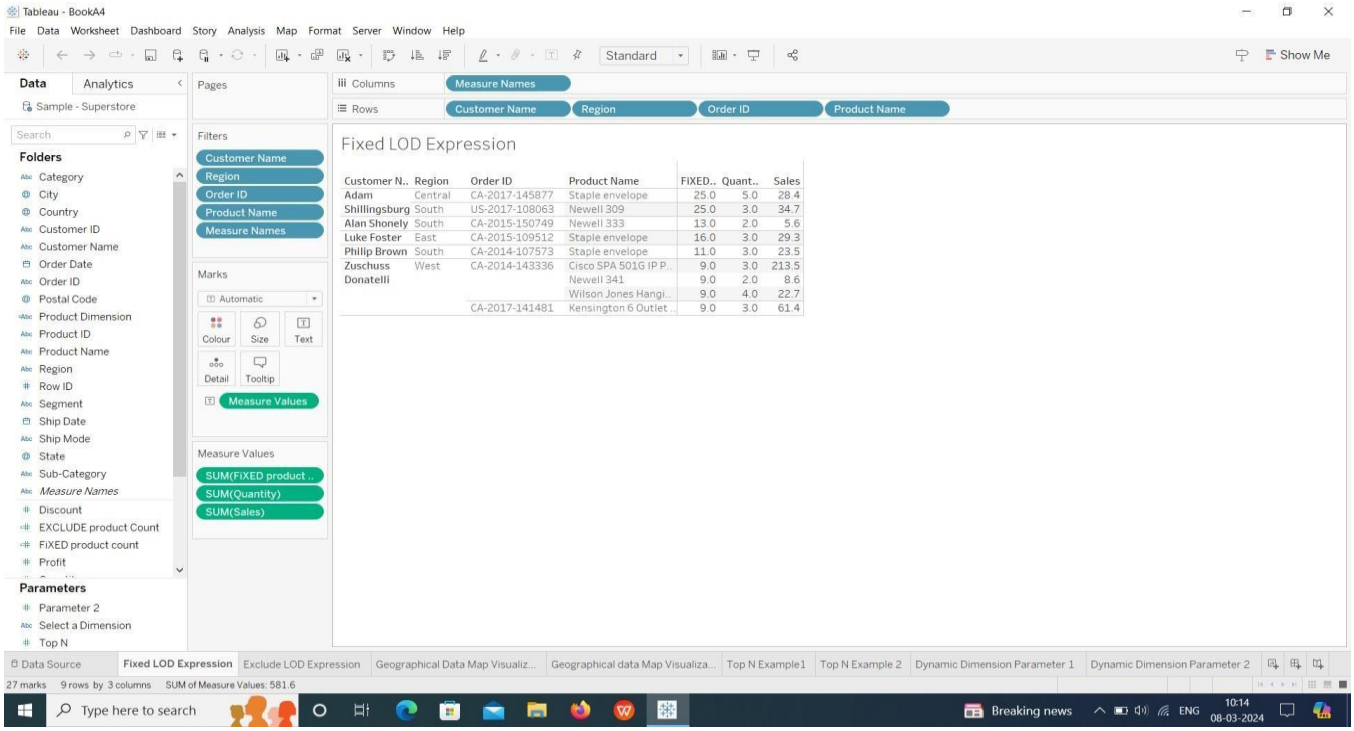
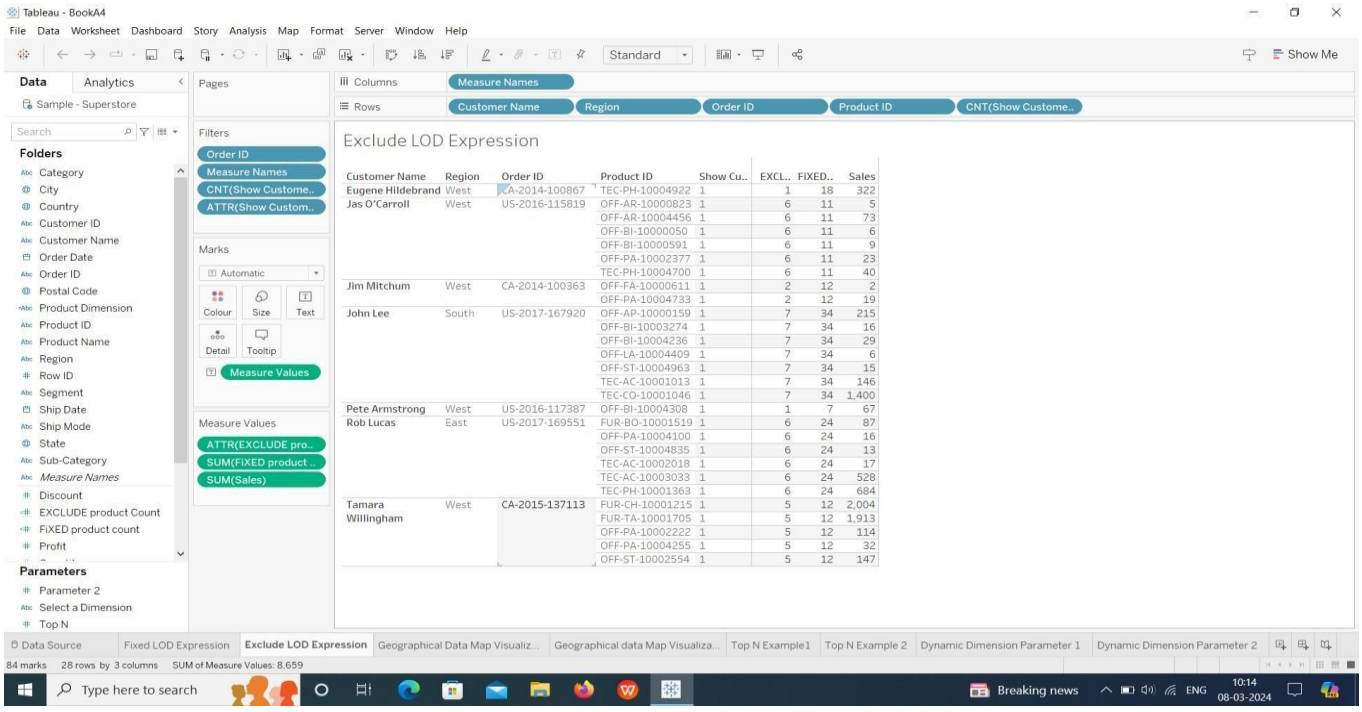
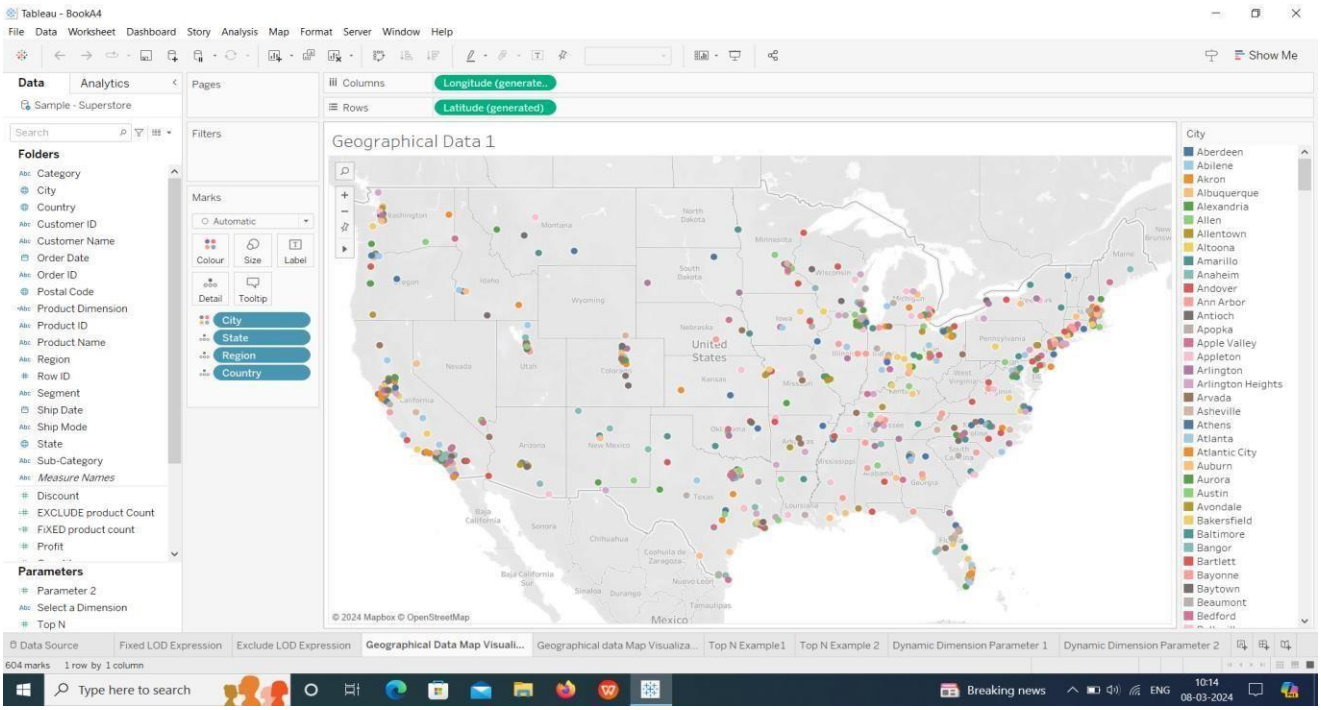
One Fixed LOD:-



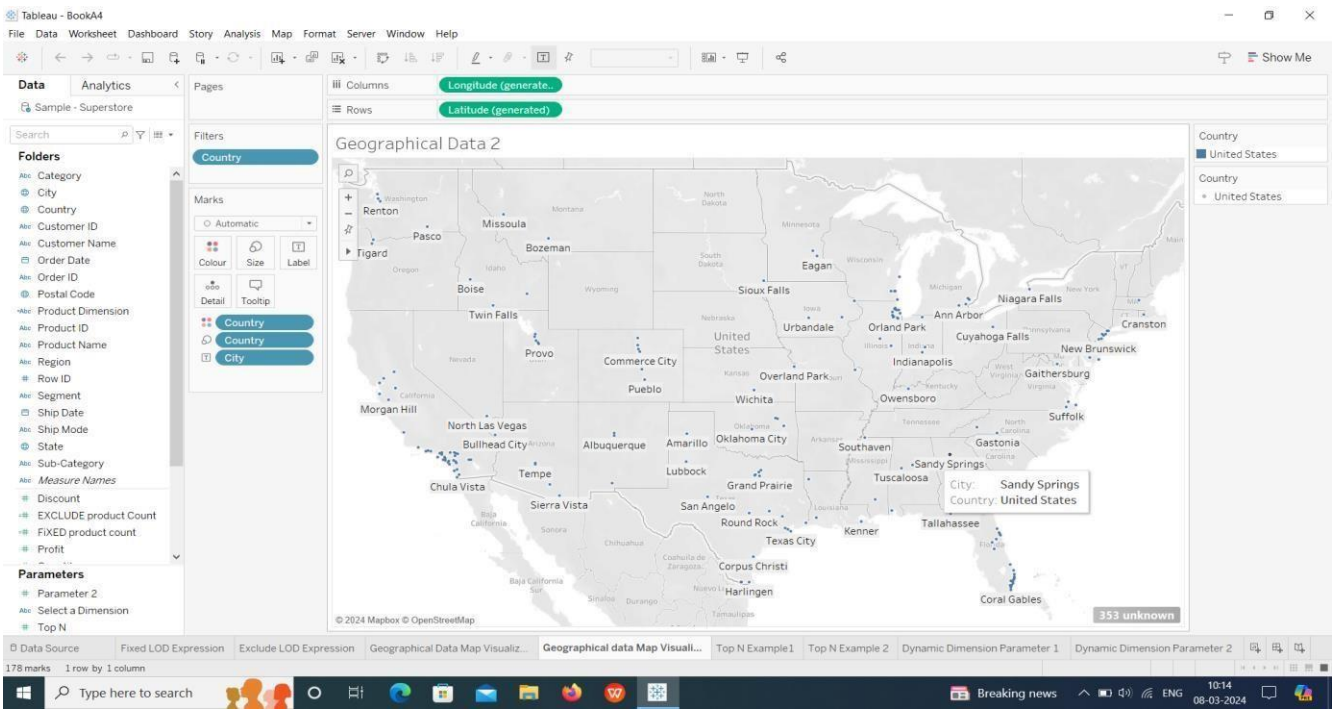
One Exclude LOD Expression:-



Create any 2 map visualizations using geographical data:- Map visualization 1:-

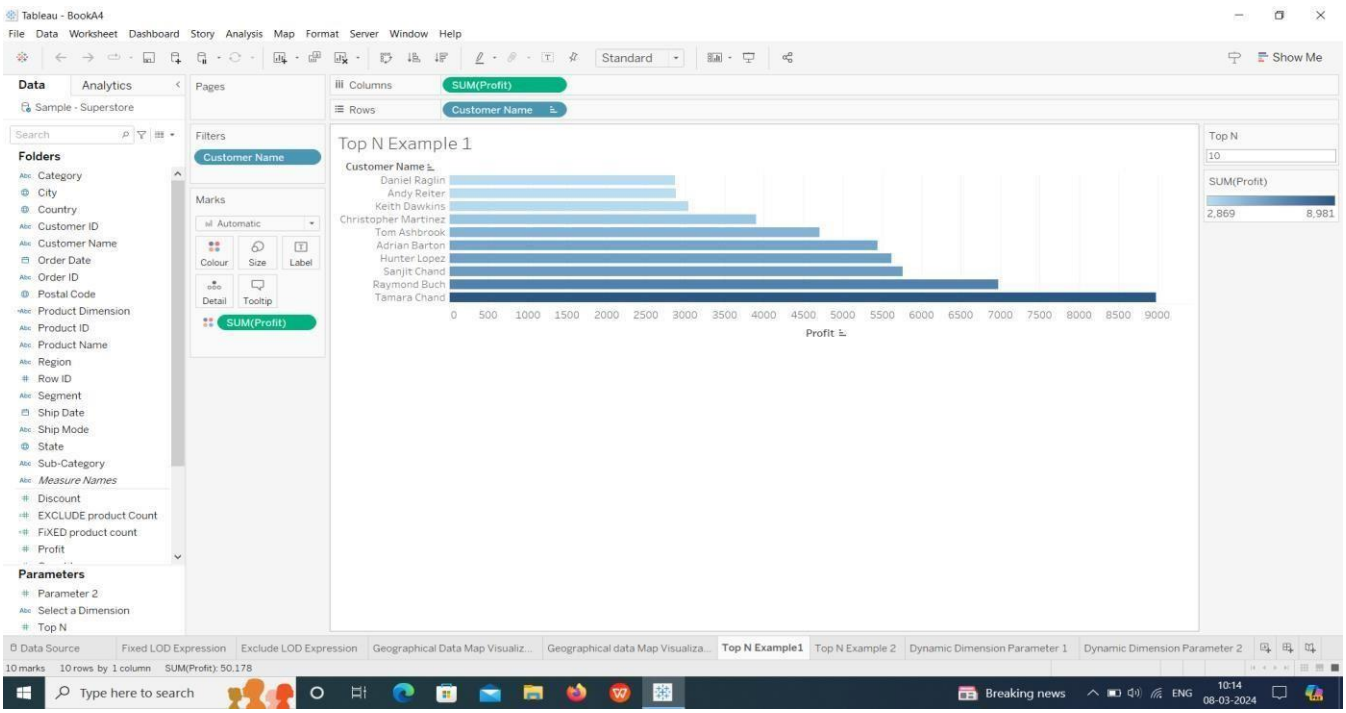


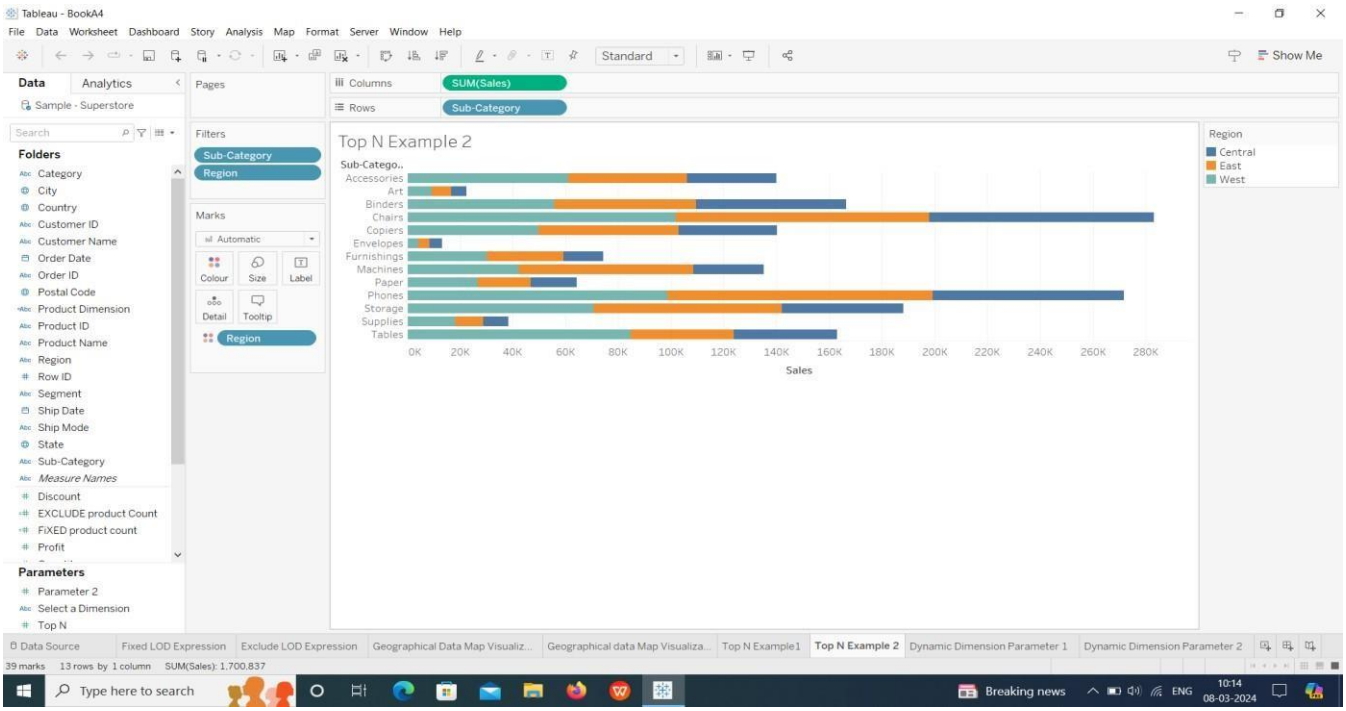
Map visualization 2:-



Create Top N and/or Dynamic dimension parameters and utilize those in your workbook:-

Top N Parameters:-





Dynamic Dimension Parameter 1:-

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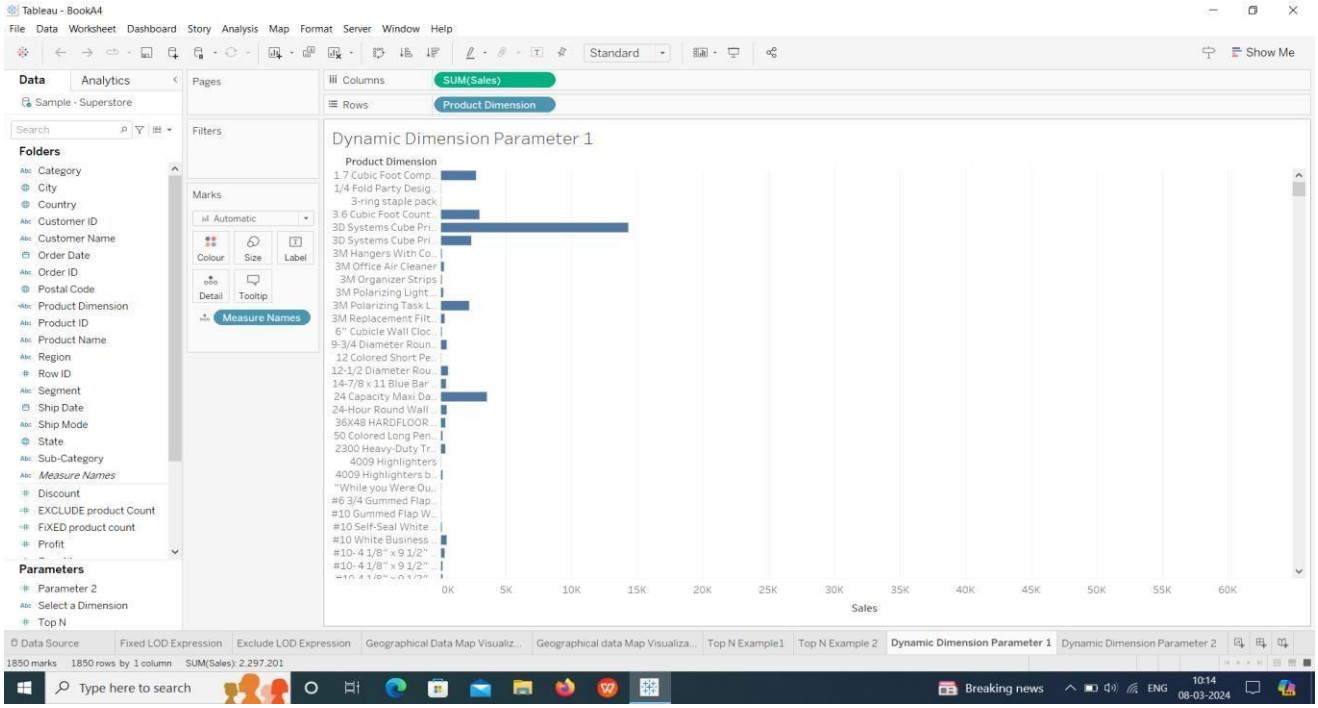

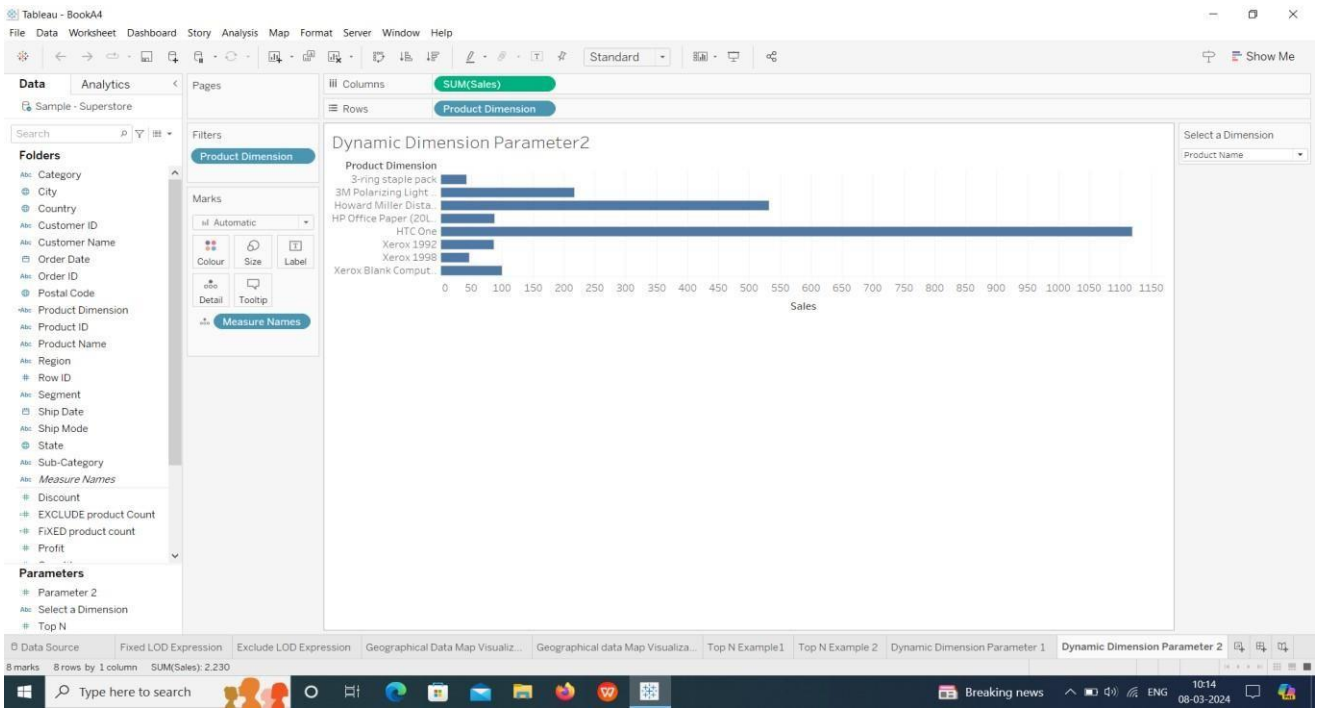

THANK YOU!

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