
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:-

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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.

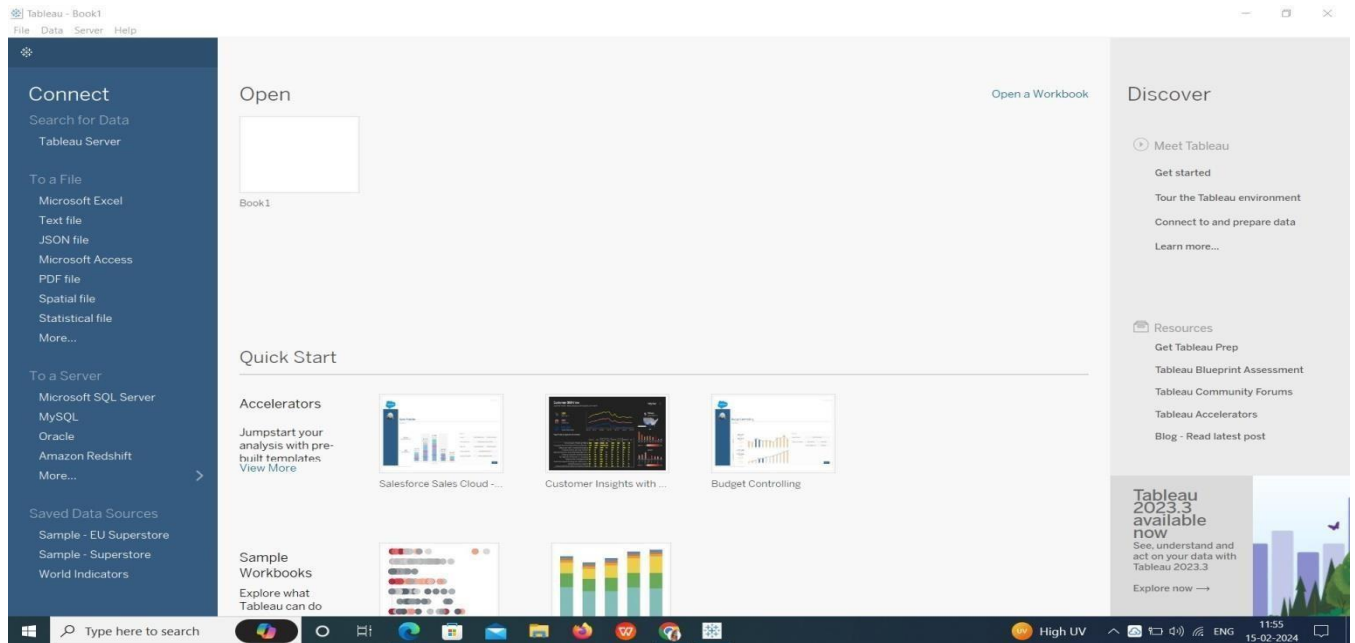
1) Colours

2) Filters

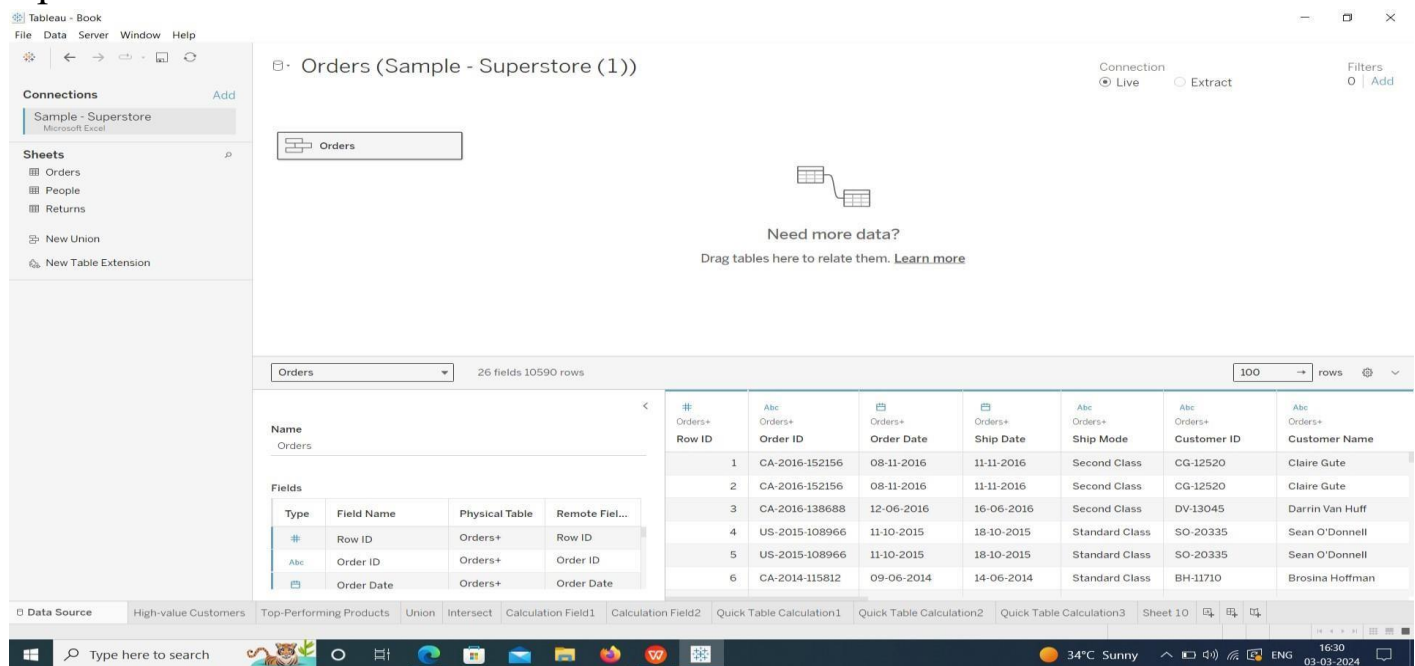
3) Select any ratings or price ranges.

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Tableau Starting:-



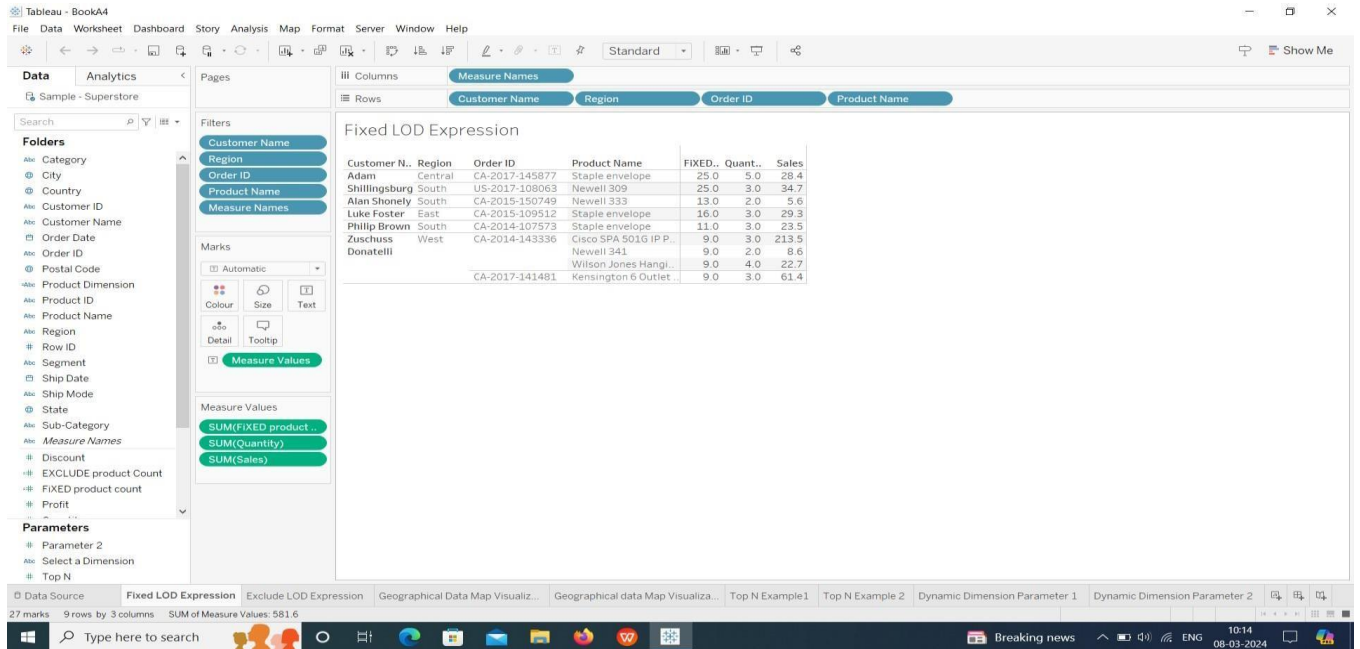
Upload the DataSet in Tableau:-



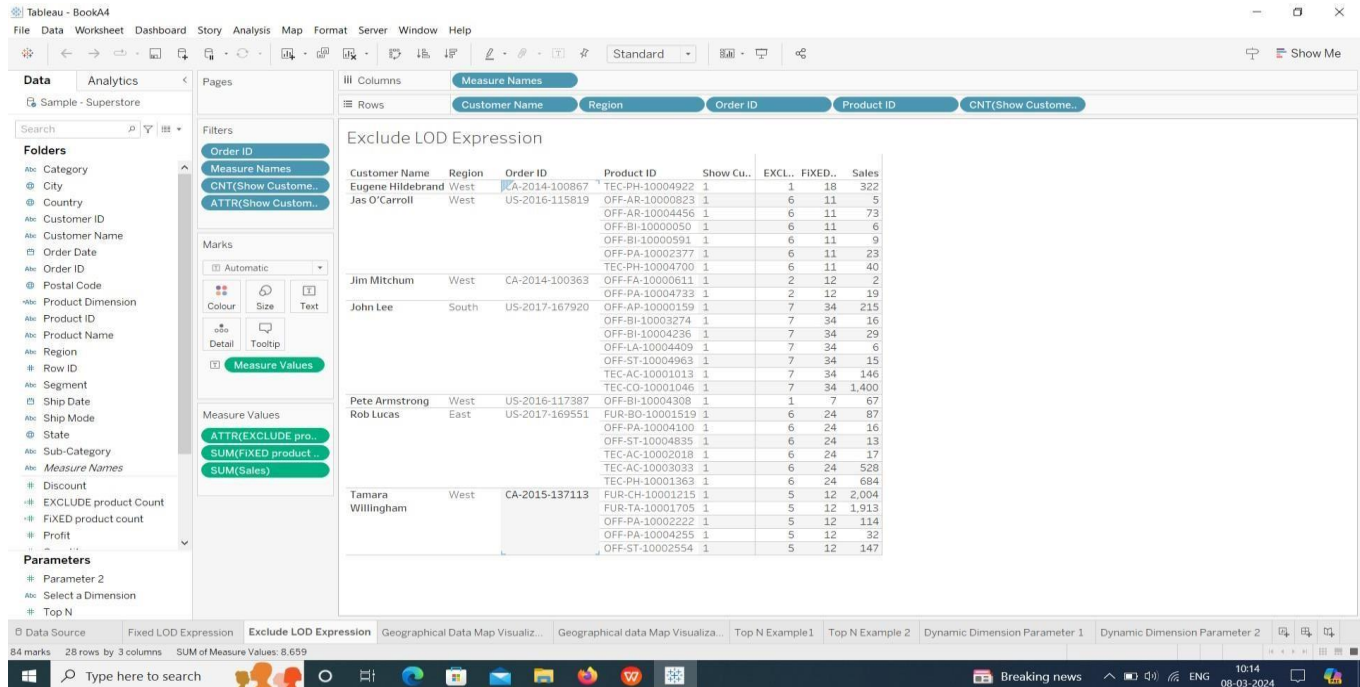
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Create One Fixed LOD Expression and one exclude LOD expression:-

One Fixed LOD:-

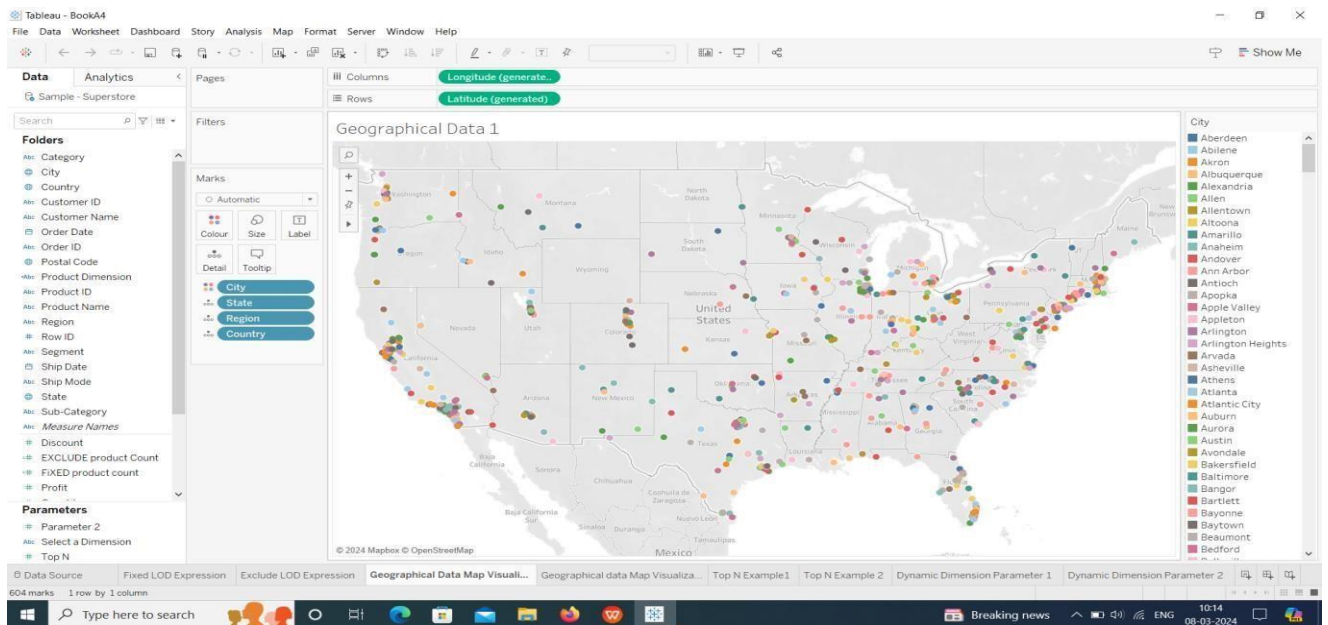


One Exclude LOD Expression:-

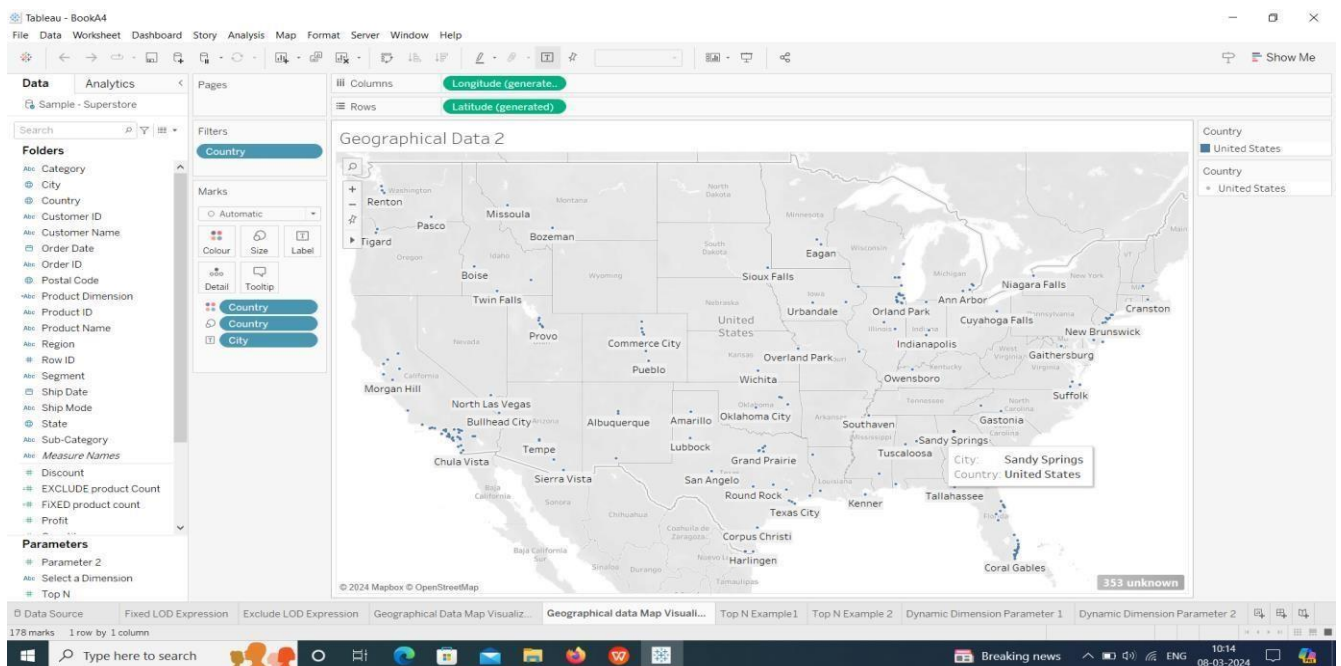


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Create any 2 map visualizations using geographical data:- Map visualization1:-



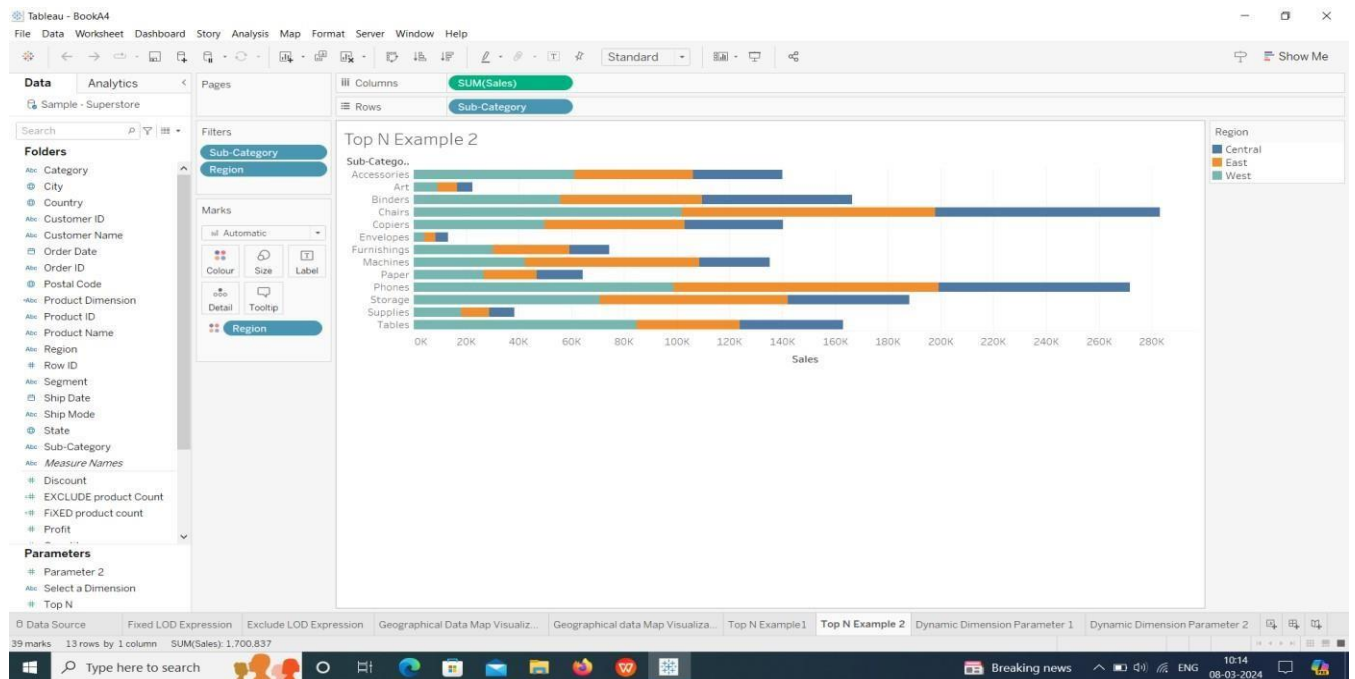
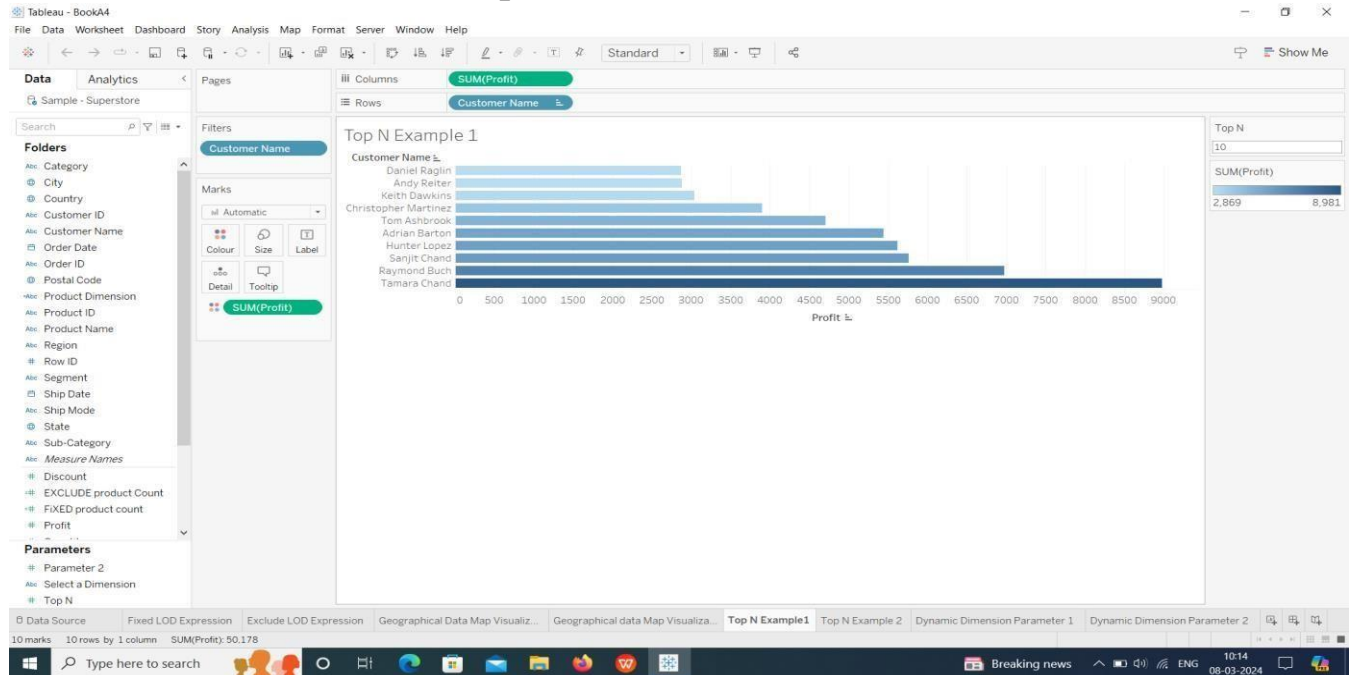
Map visualization 2:-



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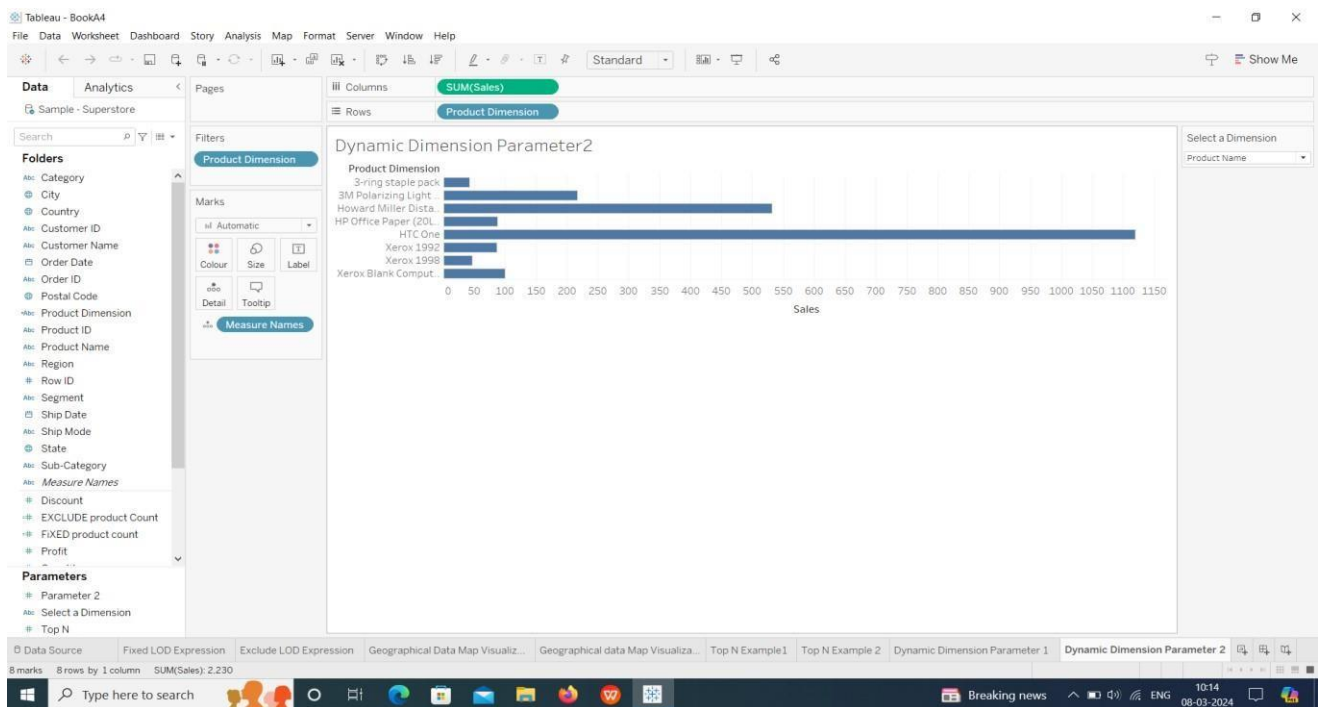
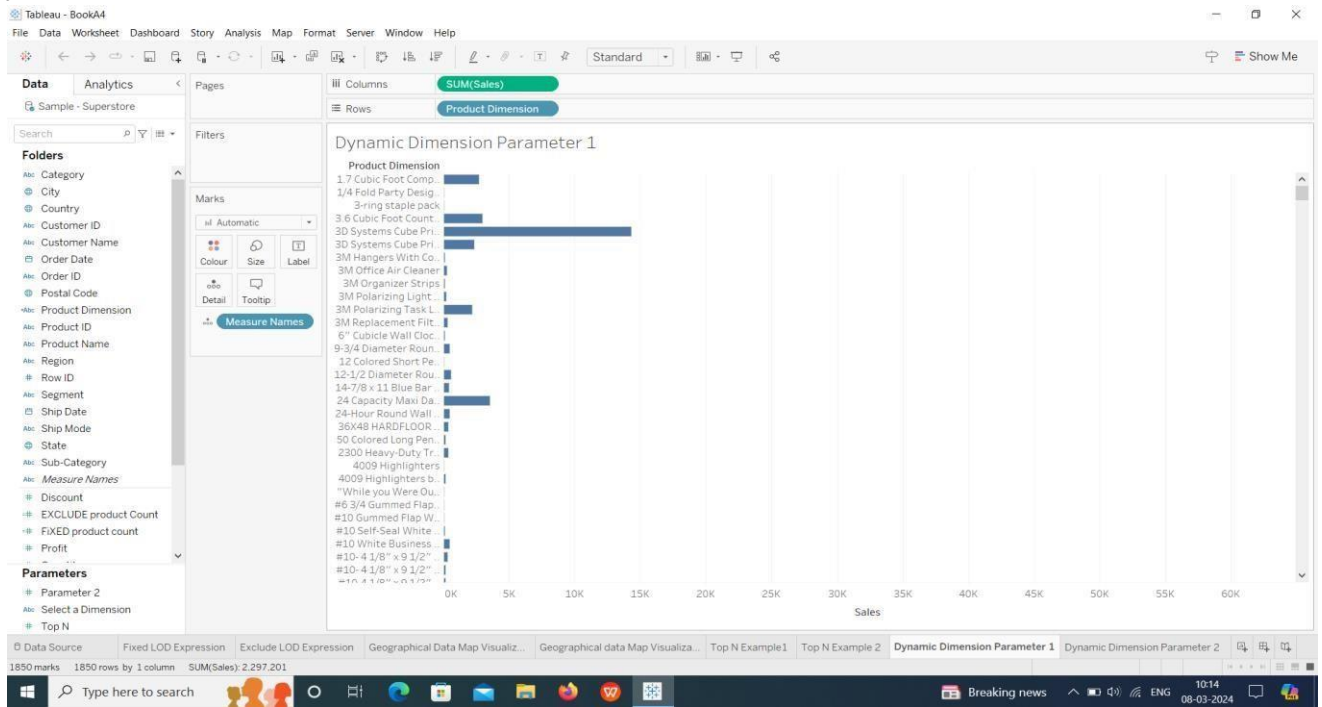
Create Top N and/or Dynamic dimension parameters and utilize those in your workbook:-

Top N Parameters:-



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Dynamic Dimension Parameter 1:-



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