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### **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:

- 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:

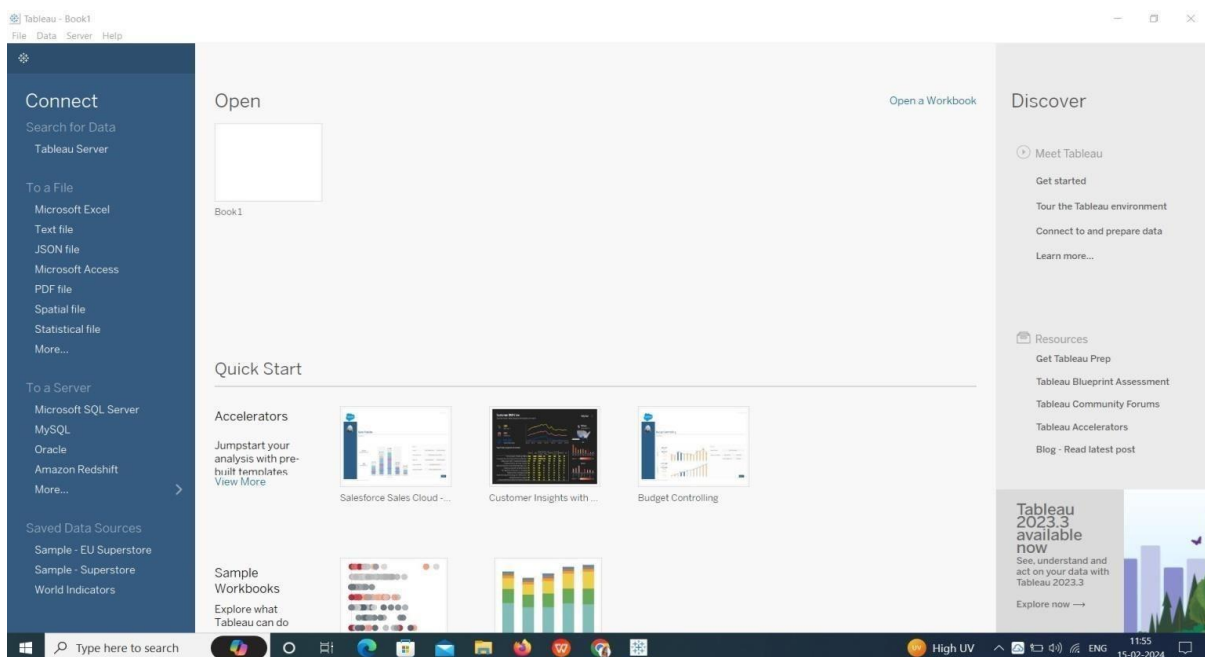
Create a Parameter. Create a new Parameter that lists your dimensions.

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

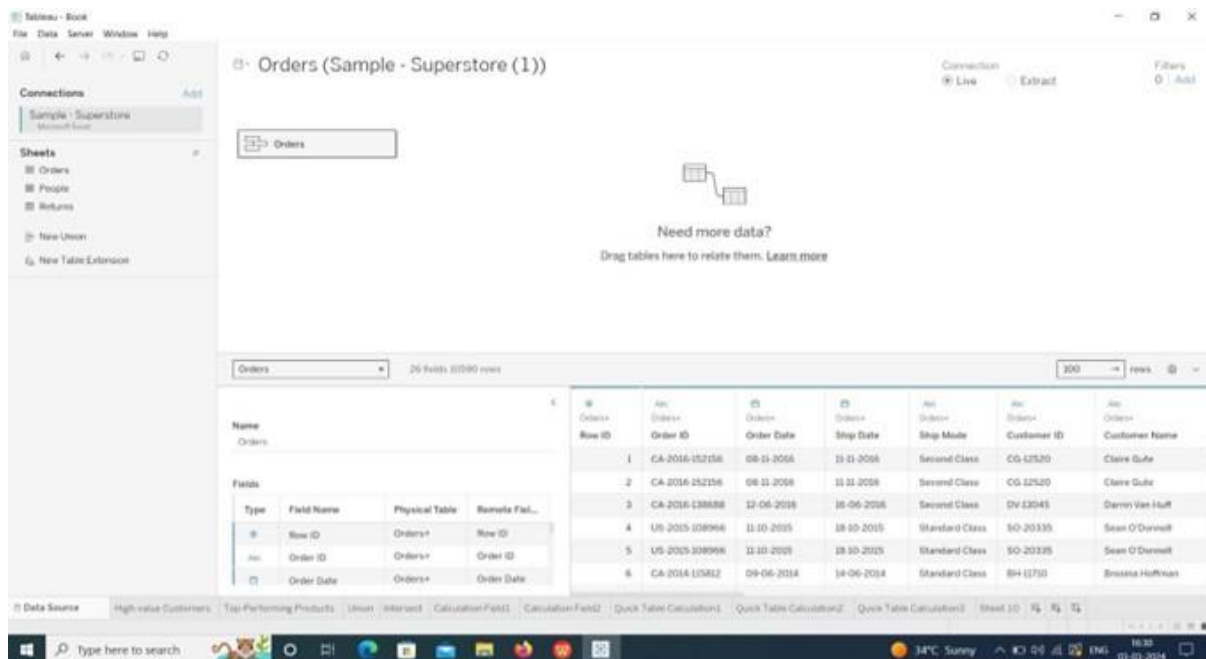
Add the calculated fields to the canvas.

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

Tableau Starting:

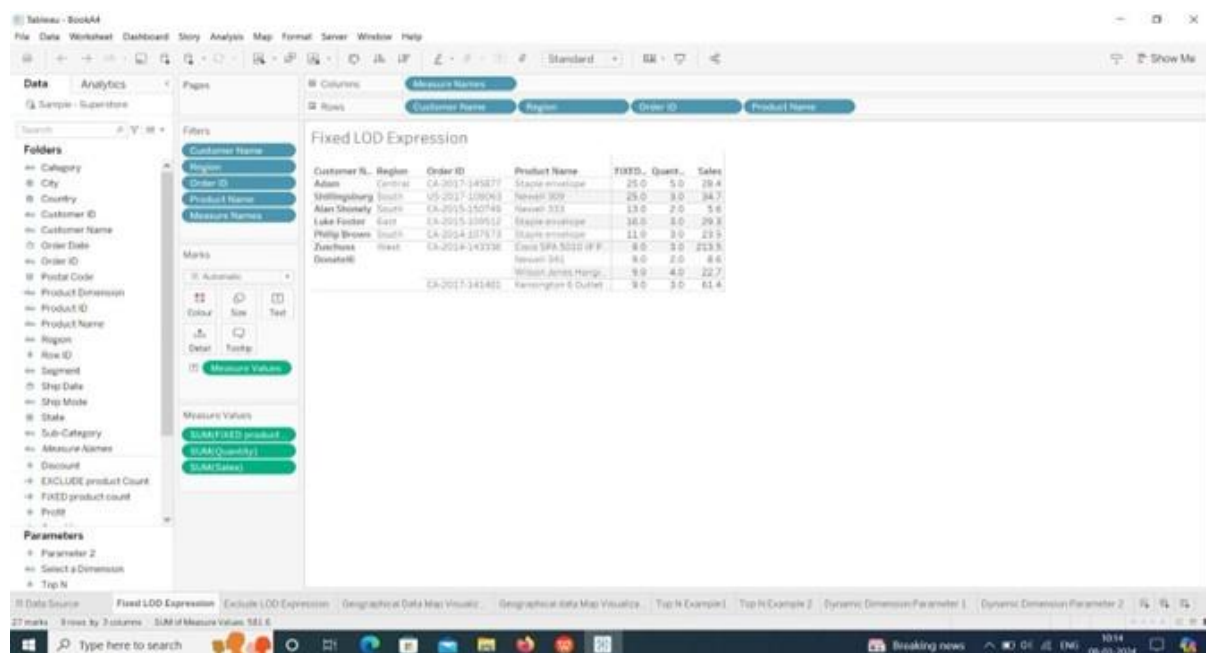


Upload the DataSet in Tableau:

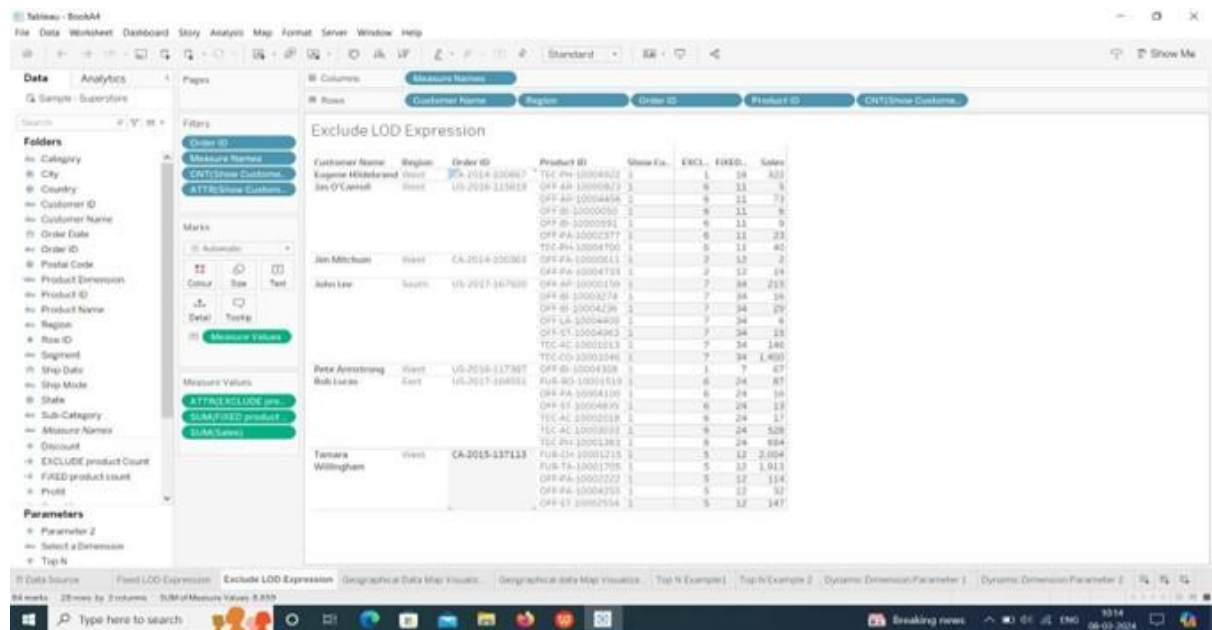


Create One Fixed LOD Expression and one exclude LOD expression:

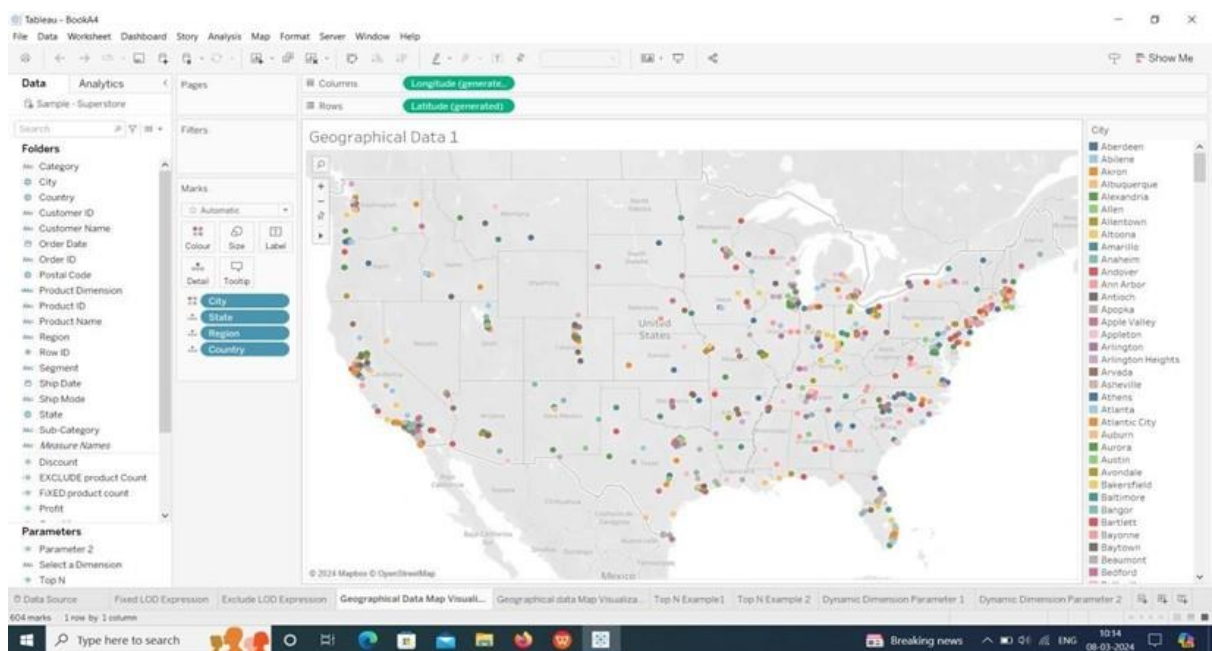
One Fixed LOD:



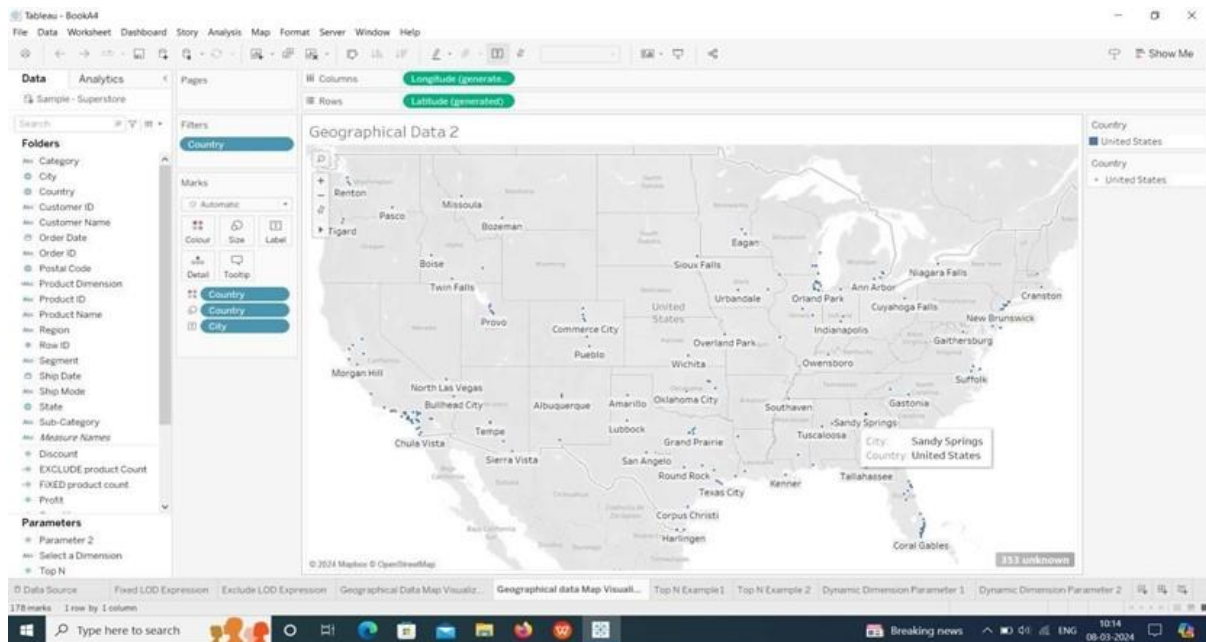
## One Exclude LOD Expression:



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

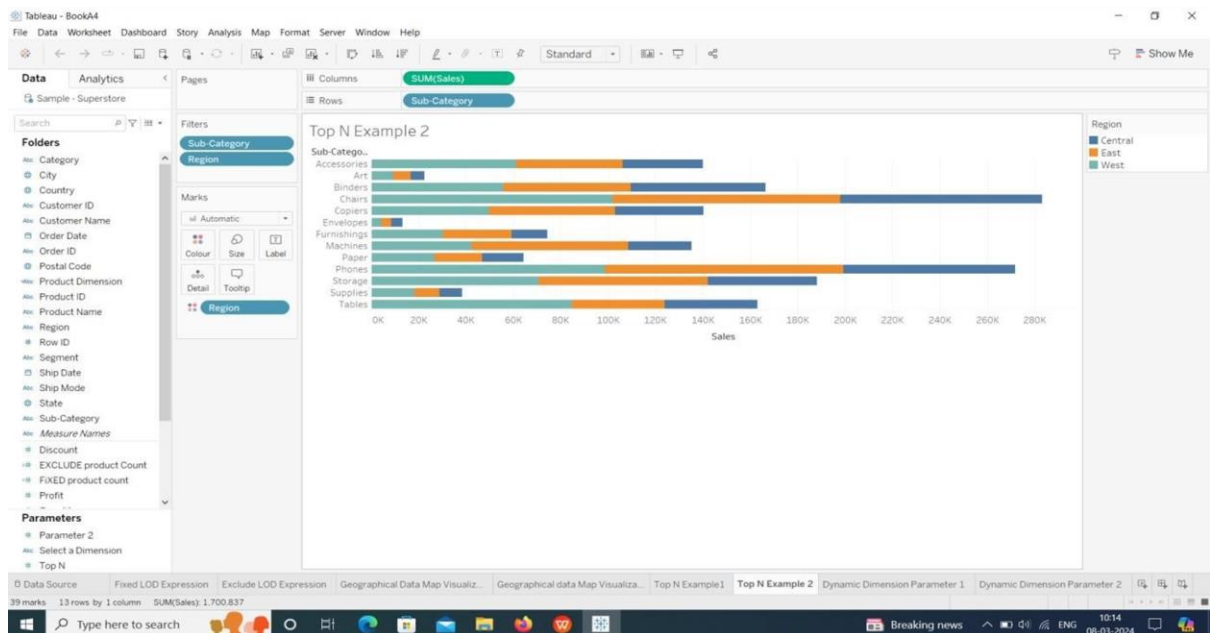
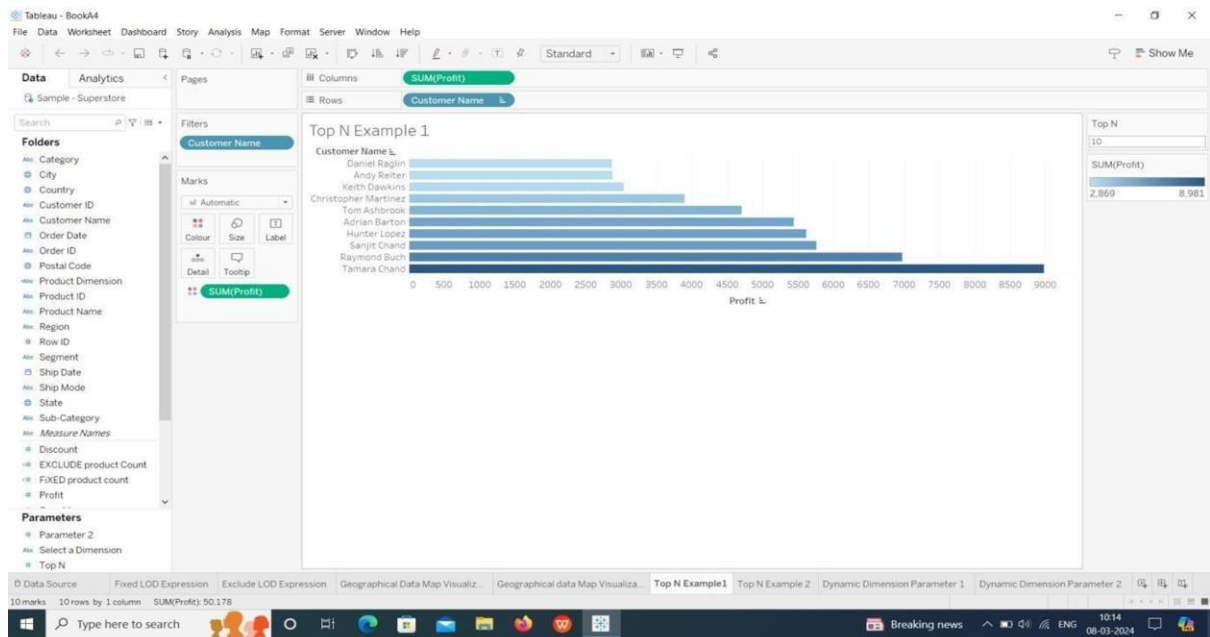


## Map visualization 2:



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

Top N Parameters:



Dynamic Dimension Parameter 1:

