

DA Assignment 4

Objective: This assignment aims to introduce fundamental Tableau functionalities, including background image manipulation, mapping, parameters, and visual analytics.

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

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

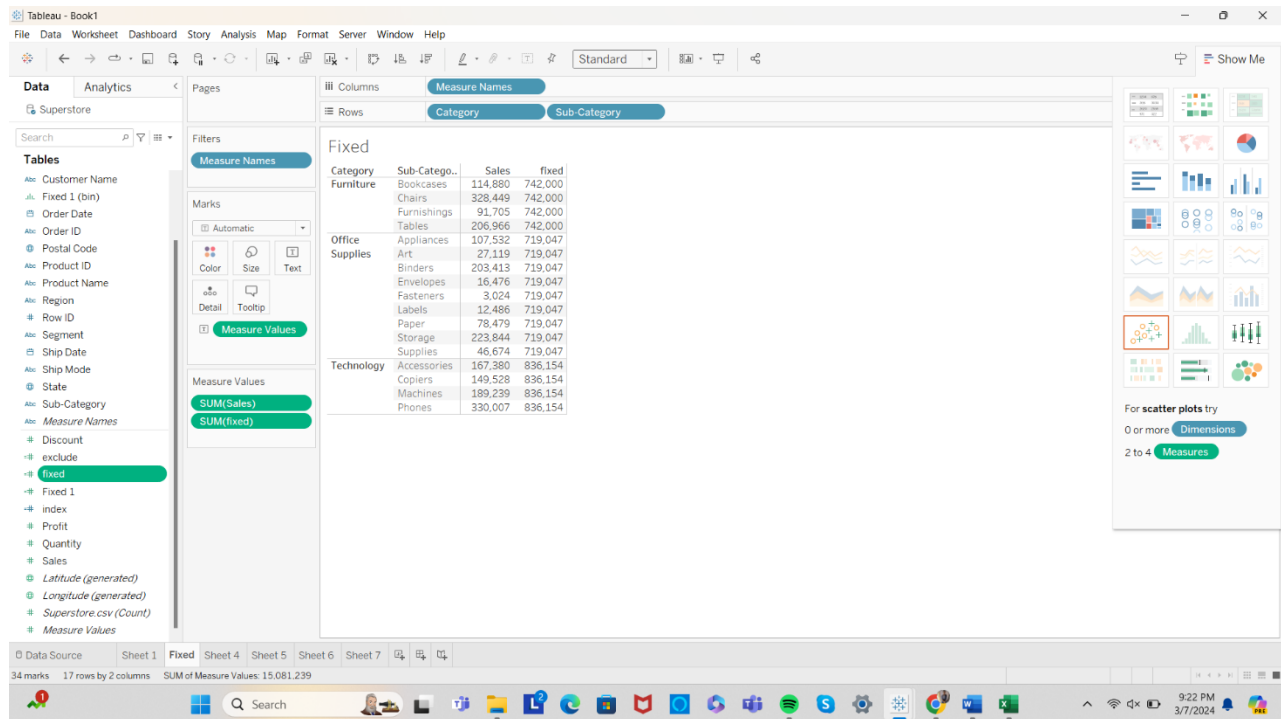
Task 3: Create Top N and/or Dynamic dimension parameters and utilize those in your workbook.

TASK-1:

To create one fixed and one exclude LOD expression:

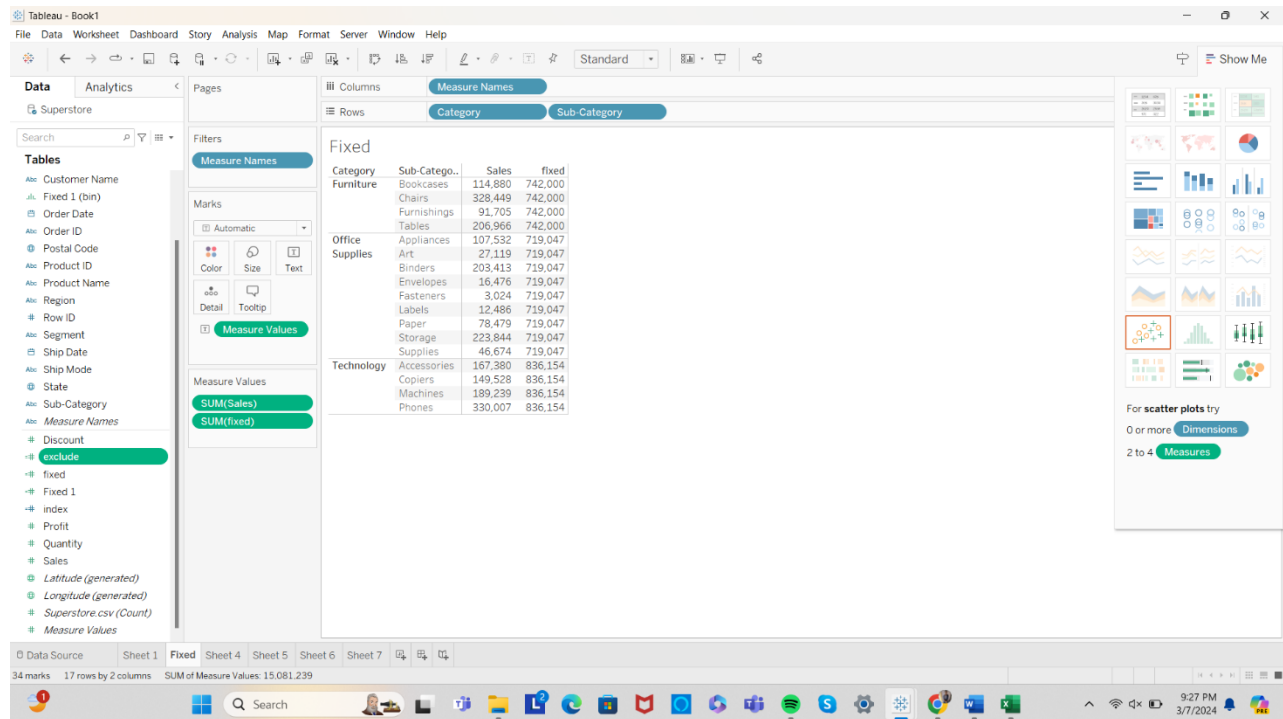
FIXED LOD: This type of expression computes the aggregation at a specified level of granularity regardless of the dimensions in the view.

- Drag the Category and Sub Category fields to the row shelf
- Create a calculated field “fixed” and use the formula “{FIXED [Category]:SUM([Sales])}”
- Double click on the “fixed” field created
- Rename the sheet as “Fixed”
- Keep the view in Standard.



EXCLUDE LOD: This type of expression computes the aggregation at a specified level of granularity, excluding one or more dimensions from the computation.

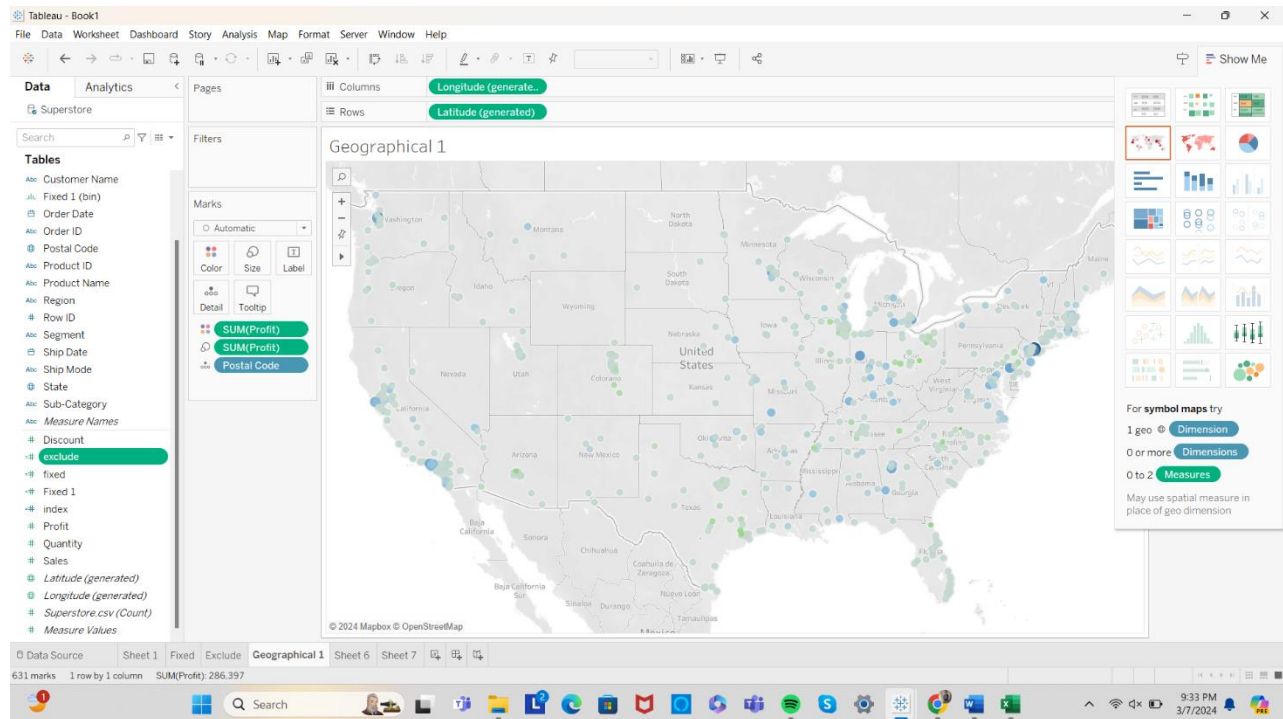
- Drag the Category and Sub Category fields to the row shelf
- Create a calculated field “exclude” and use the formula “{ EXCLUDE [Sub-Category] : SUM(IF [Sub-Category] != 'Office Supplies' THEN [Sales] END) }”
- Double click on the “exclude” field created
- Rename the sheet as “Exclude”
- Keep the view in Standard.



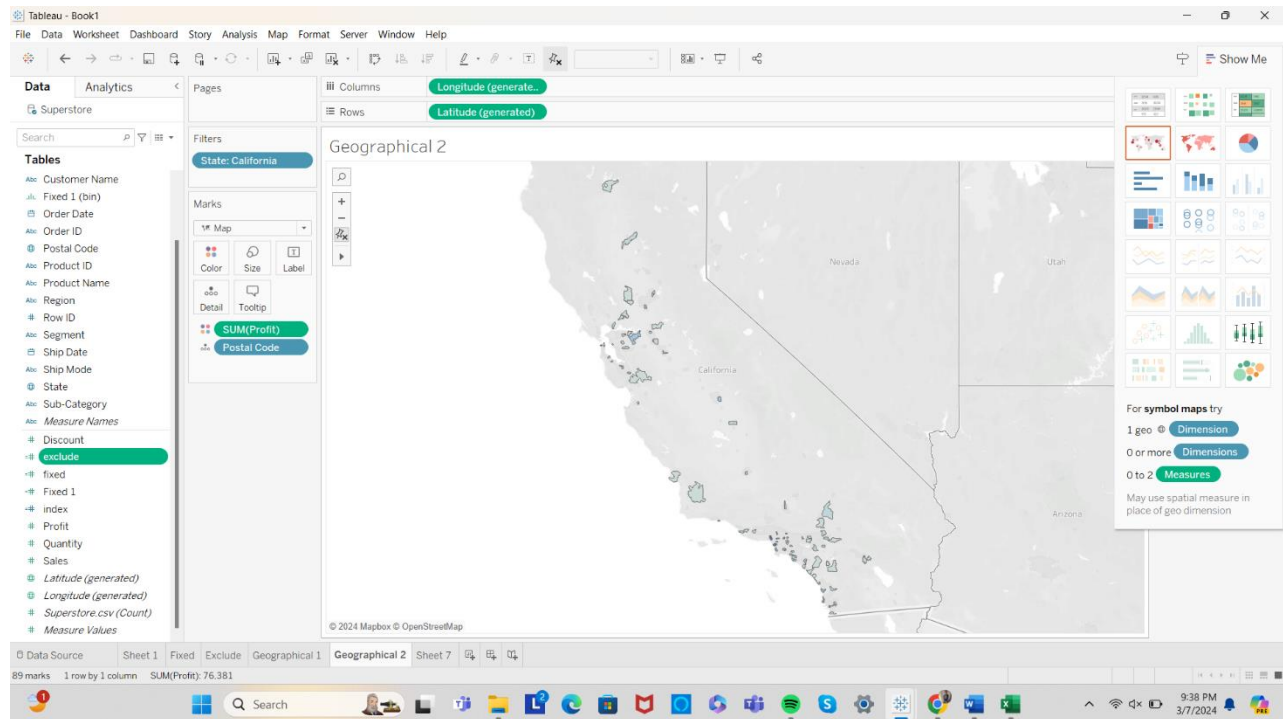
TASK -2 :

Create any 2 map visualizations using geographical data.

- Double click on the Postal Code field so it enables with the Latitude and Longitude in the Rows and Columns shelves
- Drag the Profit field to the Color and Size shelves in the Marks Pane
- Select the Maps from the Show Me Pane
- It displays the Map, now go to Colors and edit with the colors to highlight the postal codes in the map
- Rename the sheet as “Geographical 1”
- Keep the view in the Standard.



- Double click on the State field so it enables with the Latitude and Longitude in the Rows and Columns shelves
- Drag the Profit field to the Color shelf in the Marks Pane
- Select the Maps from the Show Me Pane
- Drag the State field to the Filters pane and select California state
- It displays the Map, in the Marks pane select “Map”, now go to Colors and edit with the colors to highlight the postal codes in the map
- Rename the sheet as “Geographical 2”
- Keep the view in the Standard.



TASK - 3 :

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

Drag the Region and Sub-Category fields to the Row shelf

Drag the Sales to the Column shelf

Create an Index Calculated field and give the formula **“INDEX()”**

Double click on the Index field

Drag the Index field to the Row shelf

Keep it in the Continuous

Drag the Region field to the Colors shelf in the Marks pane

Rename the sheet as “Top N”

Keep the view in the Standard.

