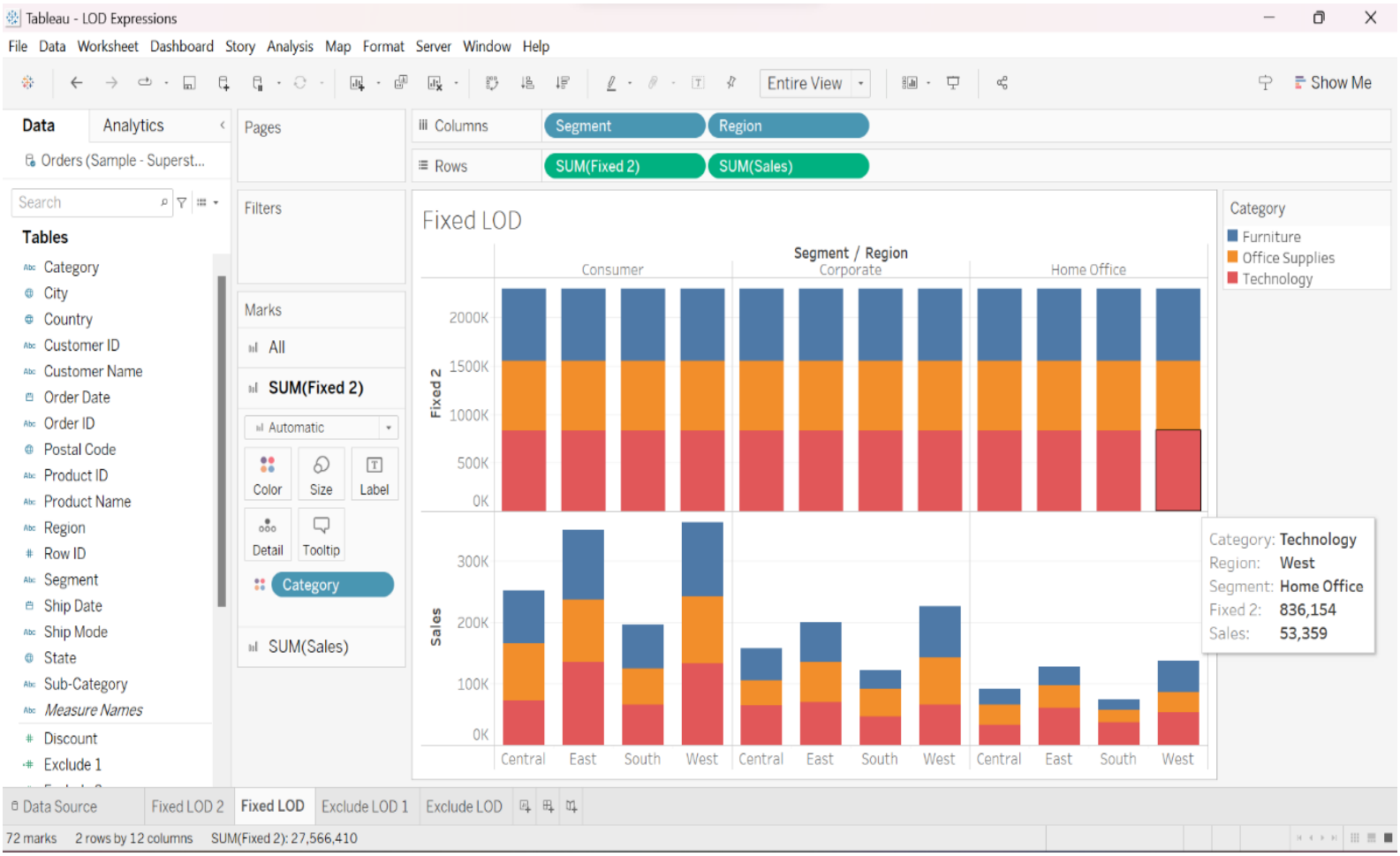
DATA ANALYTICS WITH TABLEAU

ASSIGNMENT-4

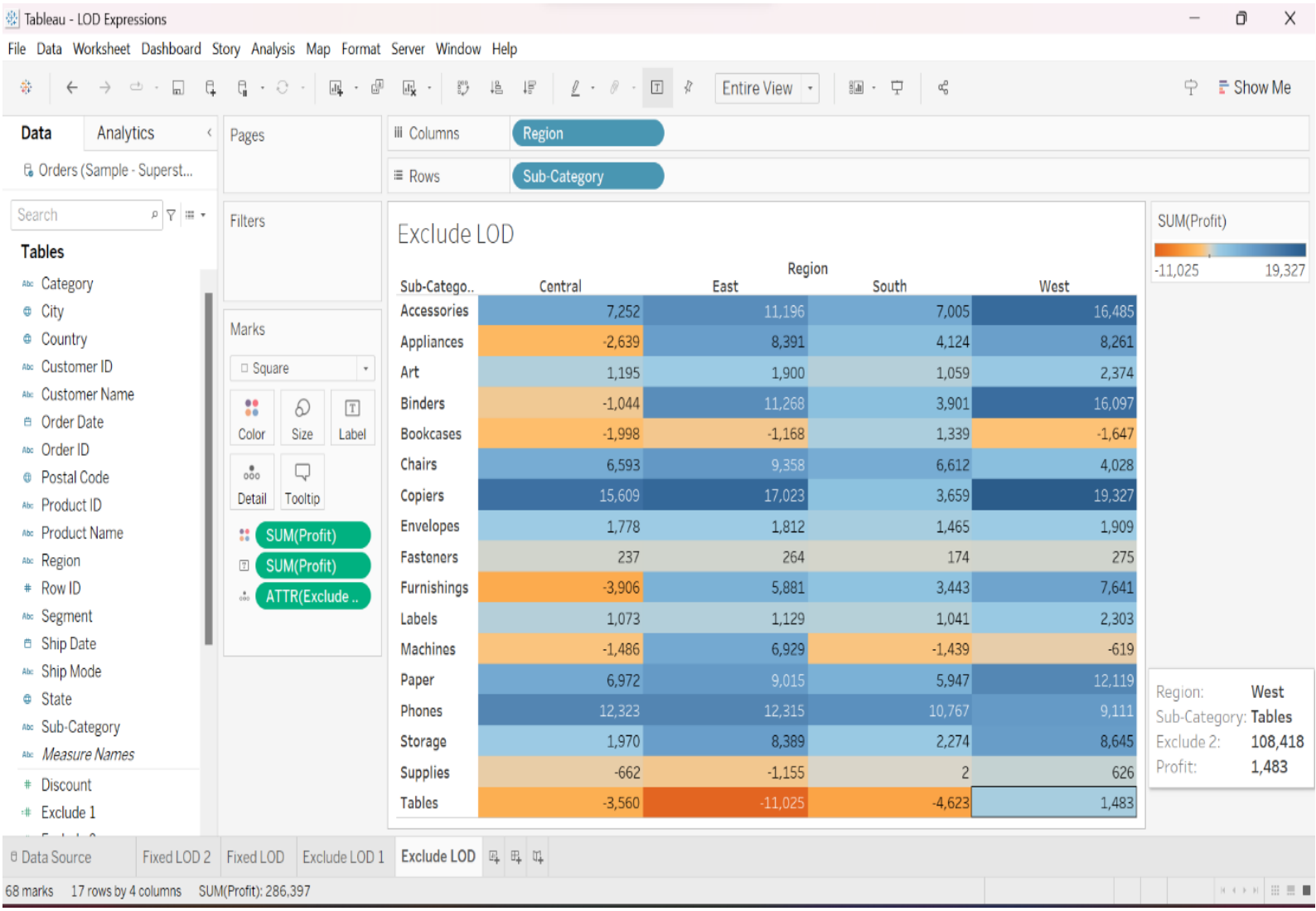
Task-1: Create one fixed and one exclude LOD expression

- FIXED LOD



- The above visualization is Stacked bars visualization.
- In this visualization FIXED LOD is used.
- Formula used in this LOD is:
  {FIXED [Category]: SUM([Sales])}.
- The above visualization defines the total Sales in fixed “Category” in each segment and region.
- The SUM[Sales] = 27,566,410.

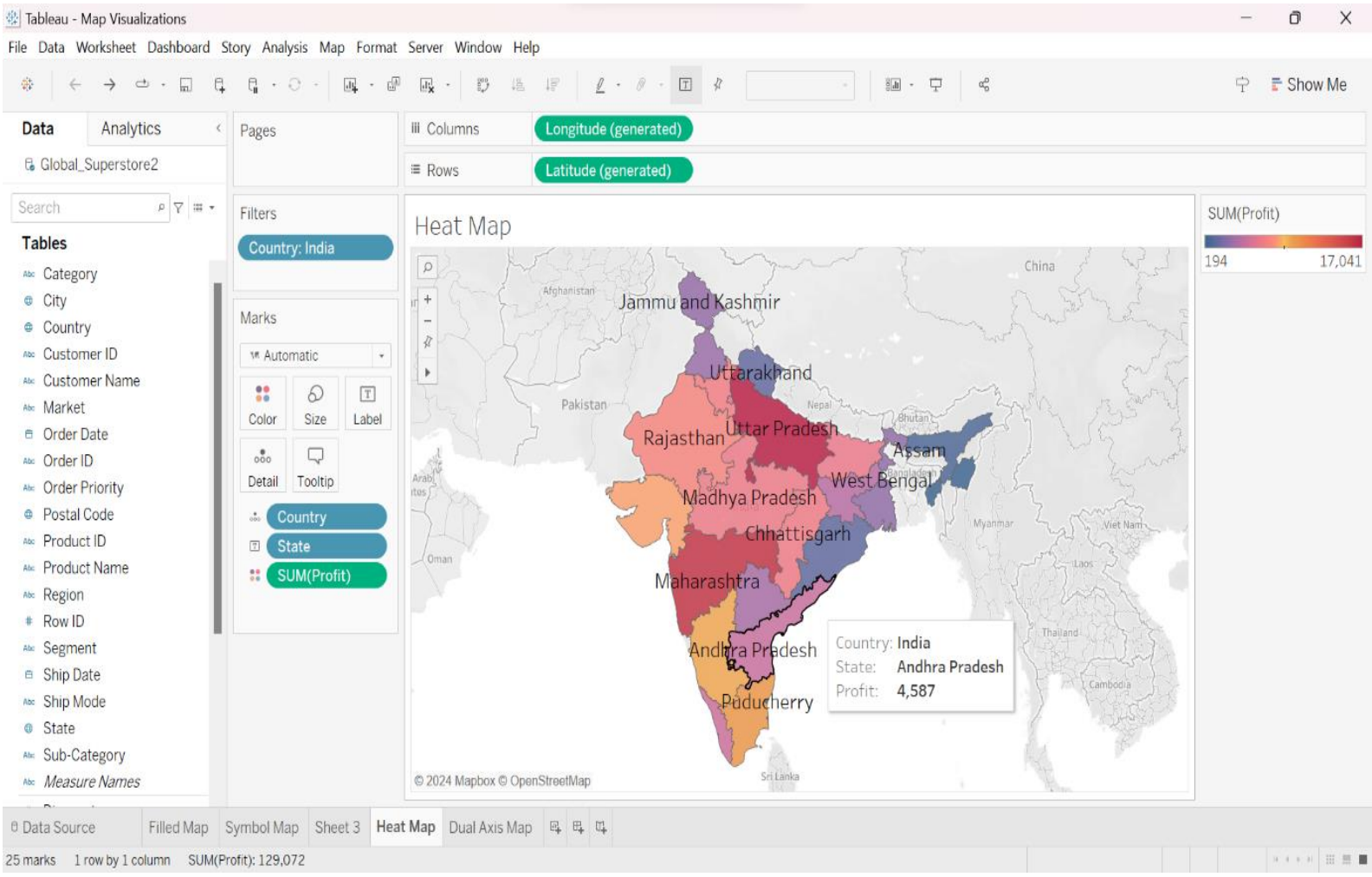
➢ EXCLUDE LOD



- The above visualization represents the tree maps visualisation.
- In this visualization EXCLUDE LOD is used.
- Formula used in this LOD is:
  {EXCLUDE [Sub-Category]: SUM([Profit])}.
- The above visualization defines the total profit and the profit is excluded for sub-categories in each region.
- The SUM[Profit]=286,397.

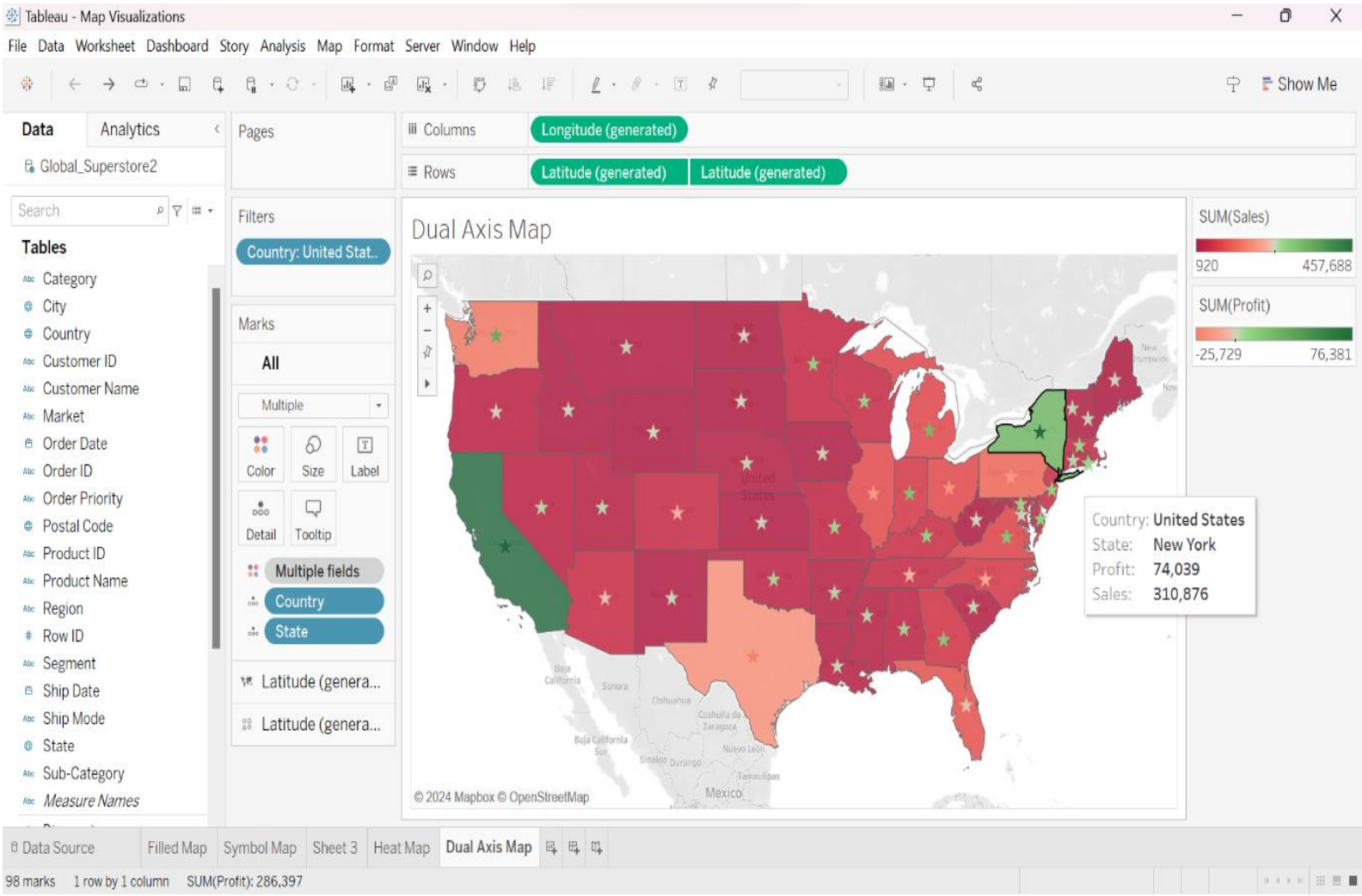
TASK-2: Create any 2 map visualizations using geographical data

➢ HEAT MAP



- The above visualization represents the Heat map visualization.
- The visualization represents the profits in different states in India.
- The different colours represent different states with the total profits.
- By highlighting each state, the profit of that particular state will be visible as shown in the visualization.
- The SUM[Profit]=129,072.

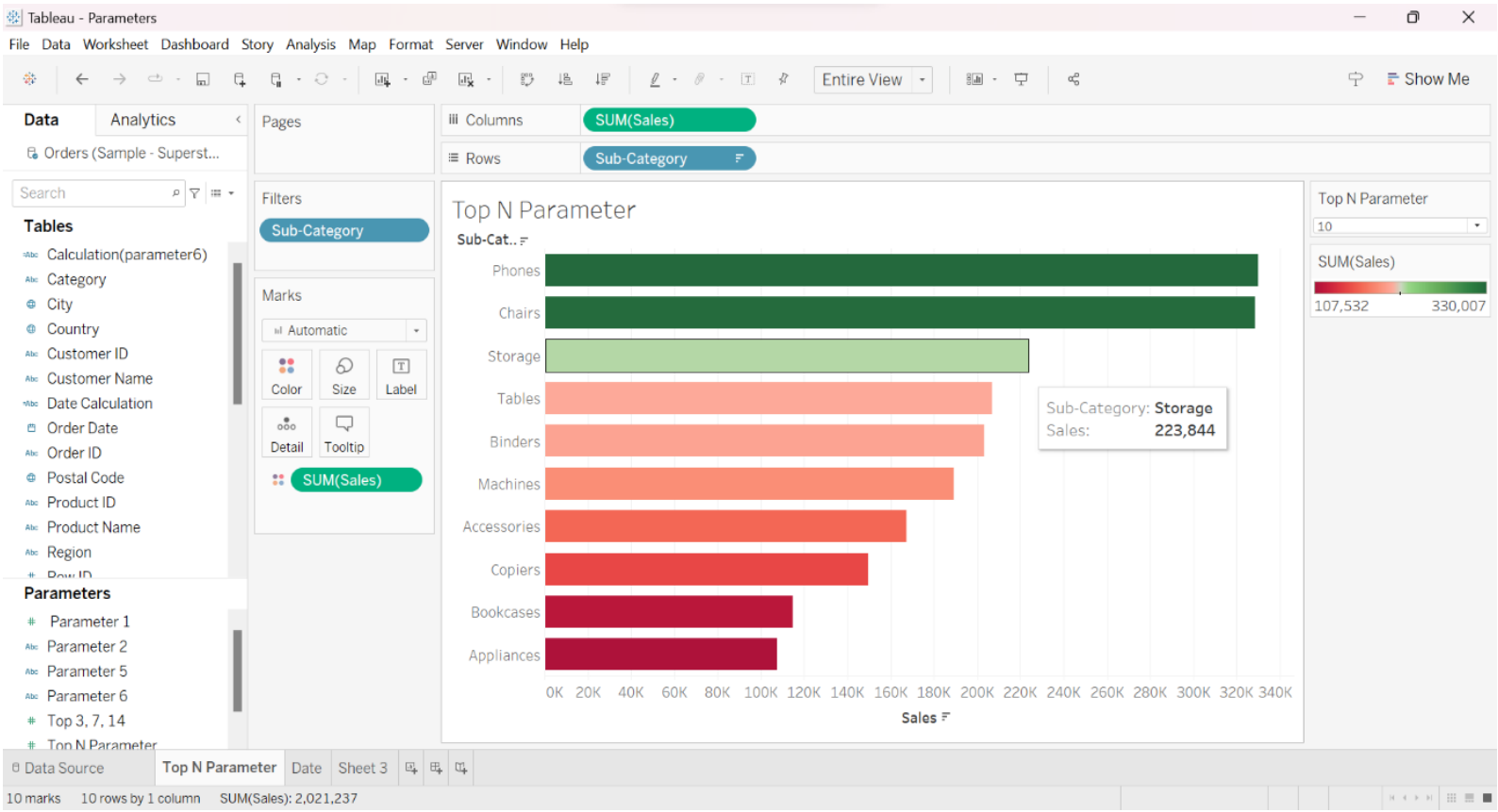
➢ DUAL AXIS MAP



- The above visualization represents the Dual axis map visualization.
- The visualization represents the total sales and total profits in different states of United States.
- The different coloured shapes represent the total sales in different states of United States and the symbols represents the total profits in different states of United States.
- By highlighting each state, the sales and profit of that particular state will be visible as shown in the above visualization.
- The SUM[Profit]=286,397.

TASK-3: Create Top N and /or Dynamic dimension parameters and utilise those in your workbook

➢ TOP N PARAMETER



- This visualization represents horizontal bars.
- In this visualization, we have represented the sales of different sub-categories.
- We have used a parameter in this visualization known as TOP N parameter which is created by the user. This parameter also gives us the access to change the display of bars of the number of sub-categories to be displayed.
- We have created a set to display the total sub-categories.
- By using this set, we can select the sub-categories which are to be highlighted only them.
- In the above visualization, we have selected the top 10 sub-categories of sales.
- We can change the number in the Top N parameter visible on the visualization.