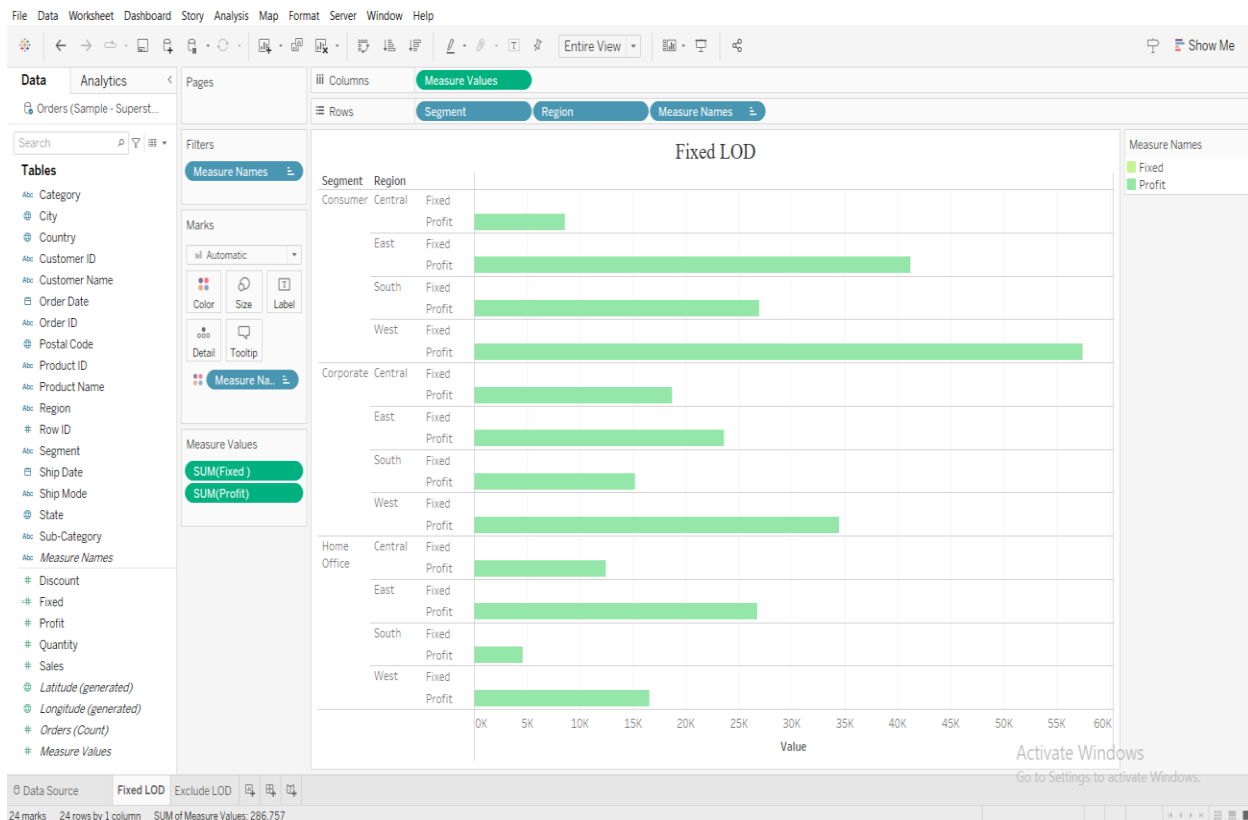


# DATA ANALYTICS WITH TABLEAU

## ASSIGNMENT – 4

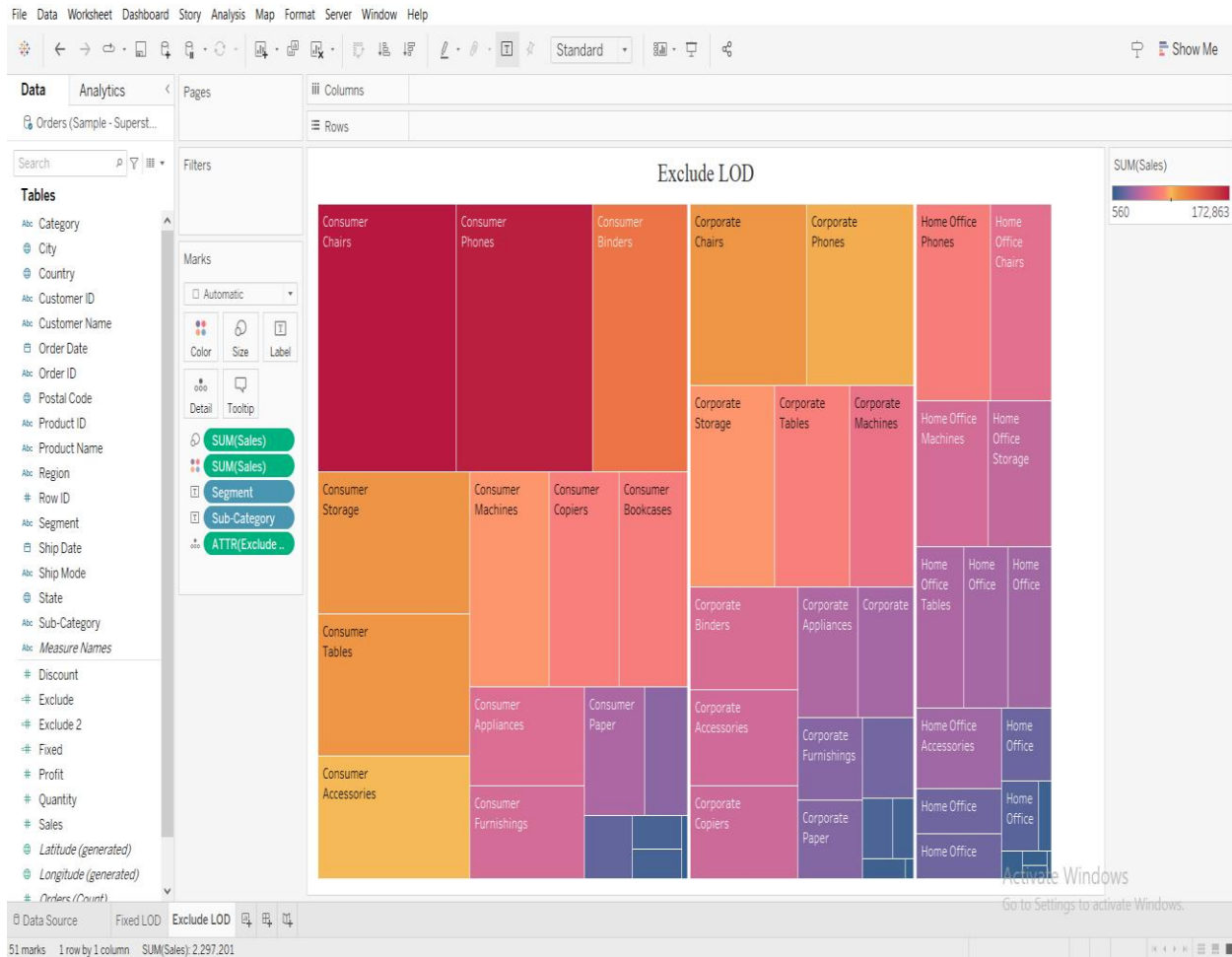
**Task 1:-** Create one fixed and one exclude LOD expression

### FIXED LOD EXPRESSION



- ❖ The above visualization is Side by side bars visualization.
- ❖ In this visualization FIXED LOD is used.
- ❖ Formula used in this LOD is :
  - {FIXED [SEGMENT] : SUM([Profit])}
- ❖ In the above visualization the profit is fixed for each segment respectively.
- ❖ If we want to display the total of any other segment we can change the segment in the right hand side 'segment parameter' bar.

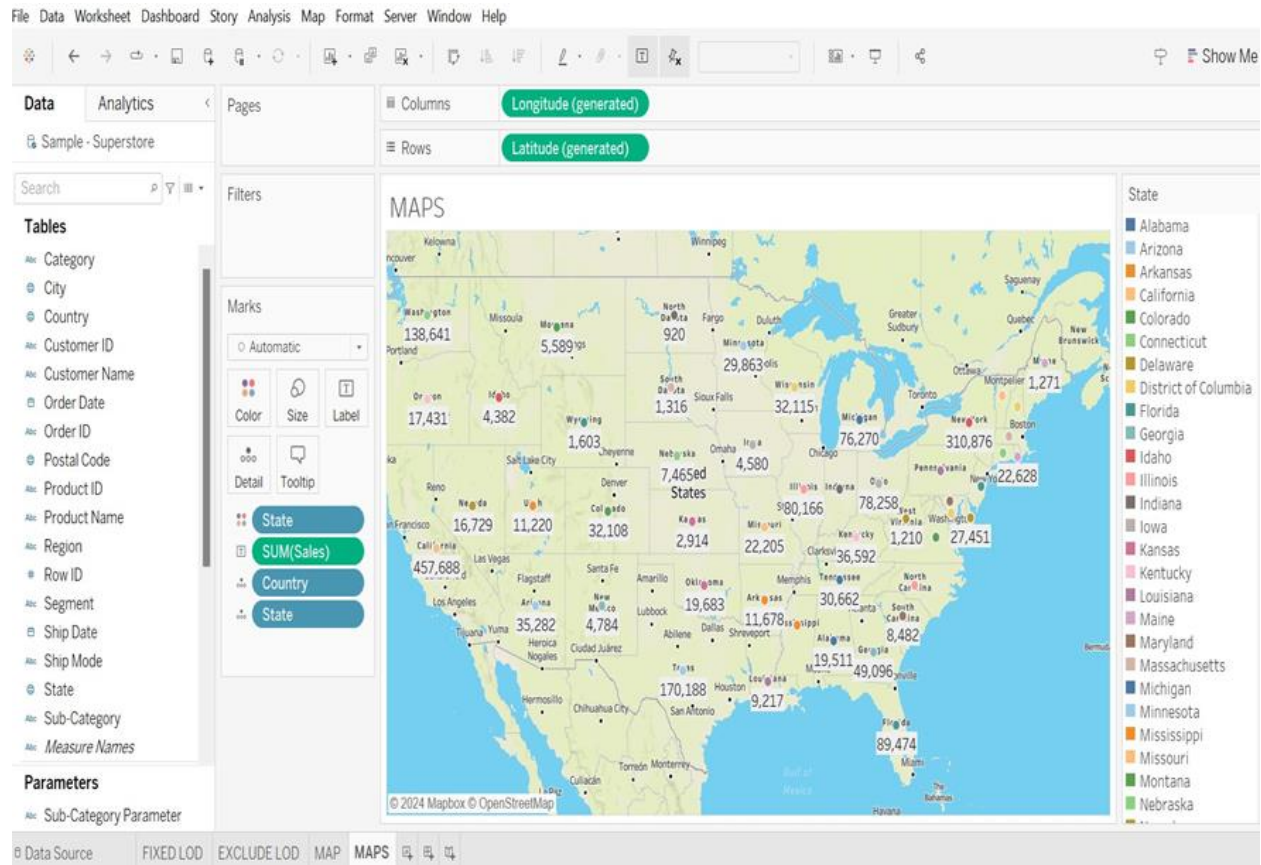
## EXCLUDE LOD EXPRESSION



- ❖ The above visualization is Tree map visualization.
- ❖ In this visualization EXCLUDE LOD is used.
- ❖ Formula used in this LOD is :
  - {EXCLUDE [Sub-Category]:SUM([Sales])}
- ❖ The above visualization defines the total sales and the sales is excluded for sub category as we used EXCLUDE LOD.

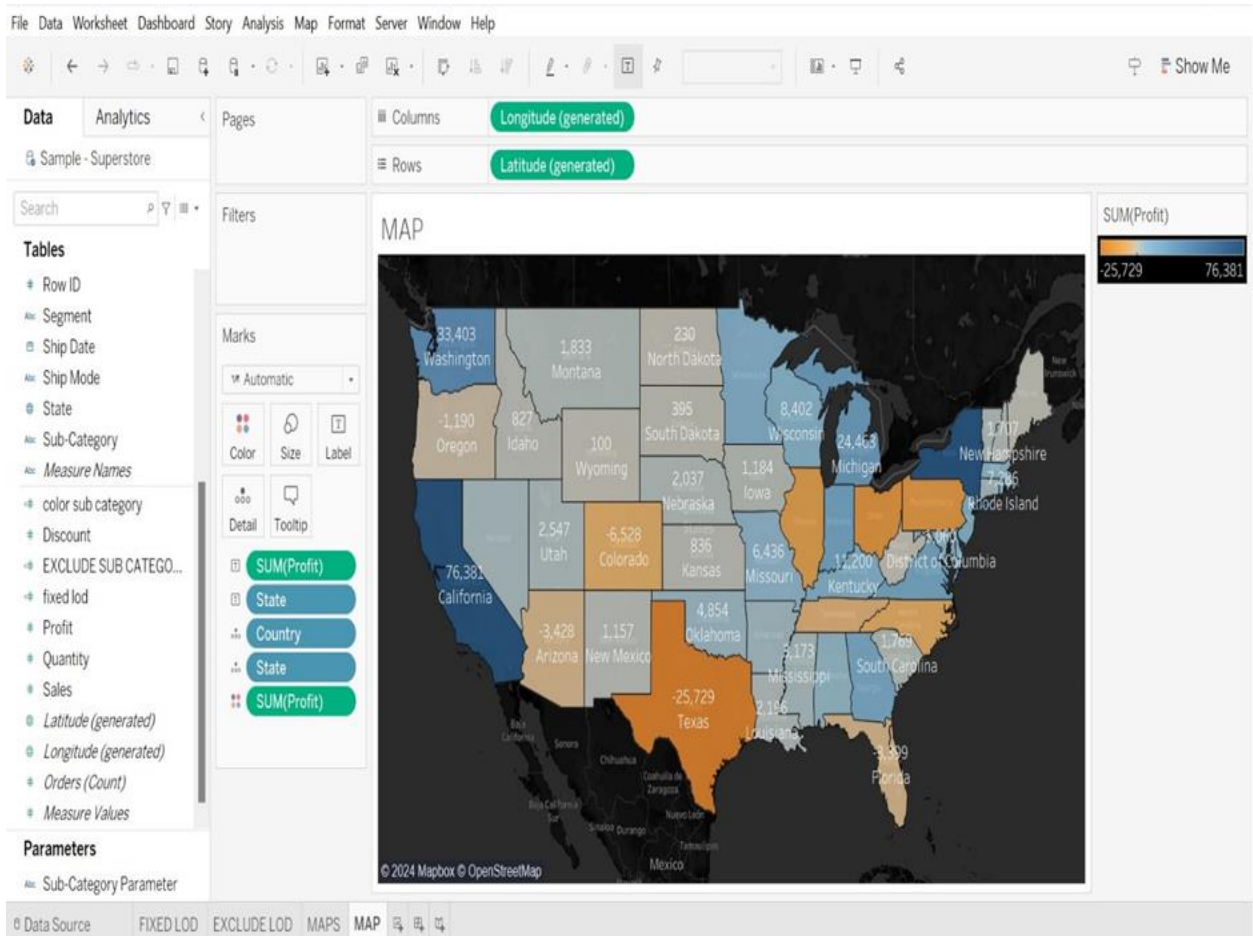
**Task 2:** Create any 2 map visualizations using geographical data.

## MAP-1



- ❖ The above visualization is Symbol Map visualization.
- ❖ The visualization represents the sales in different states of United States.
- ❖ The different color dots represent different states with the total sales displayed below the state names.
- ❖ (We can also change the shapes of the markings using shape options.)

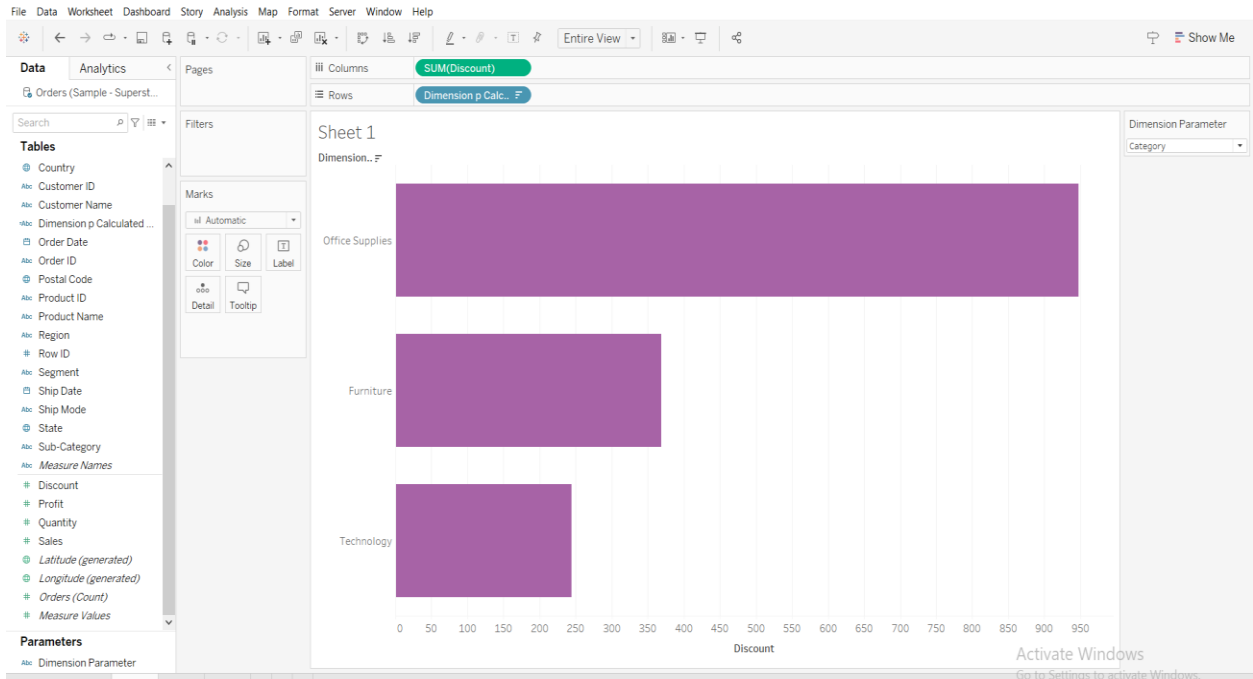
## MAP-2



- The above visualization is called Map visualization.
- The visualization represents the Profit in different states of United States.
- The different coloured shapes represent different states of the United States with the profit for each state displayed below the state name.

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

## Dimension Parameter



- This visualization is horizontal bars visualization.
- In this visualization we have represented the discounts of different sub categories.
- We have used a parameter in this visualization known as dimension parameter which is created by the user. This parameter also gives us the access to change the display bar of the number of sub categories to be displayed.
- We can change the number in the slide bar according to the visualization.

END