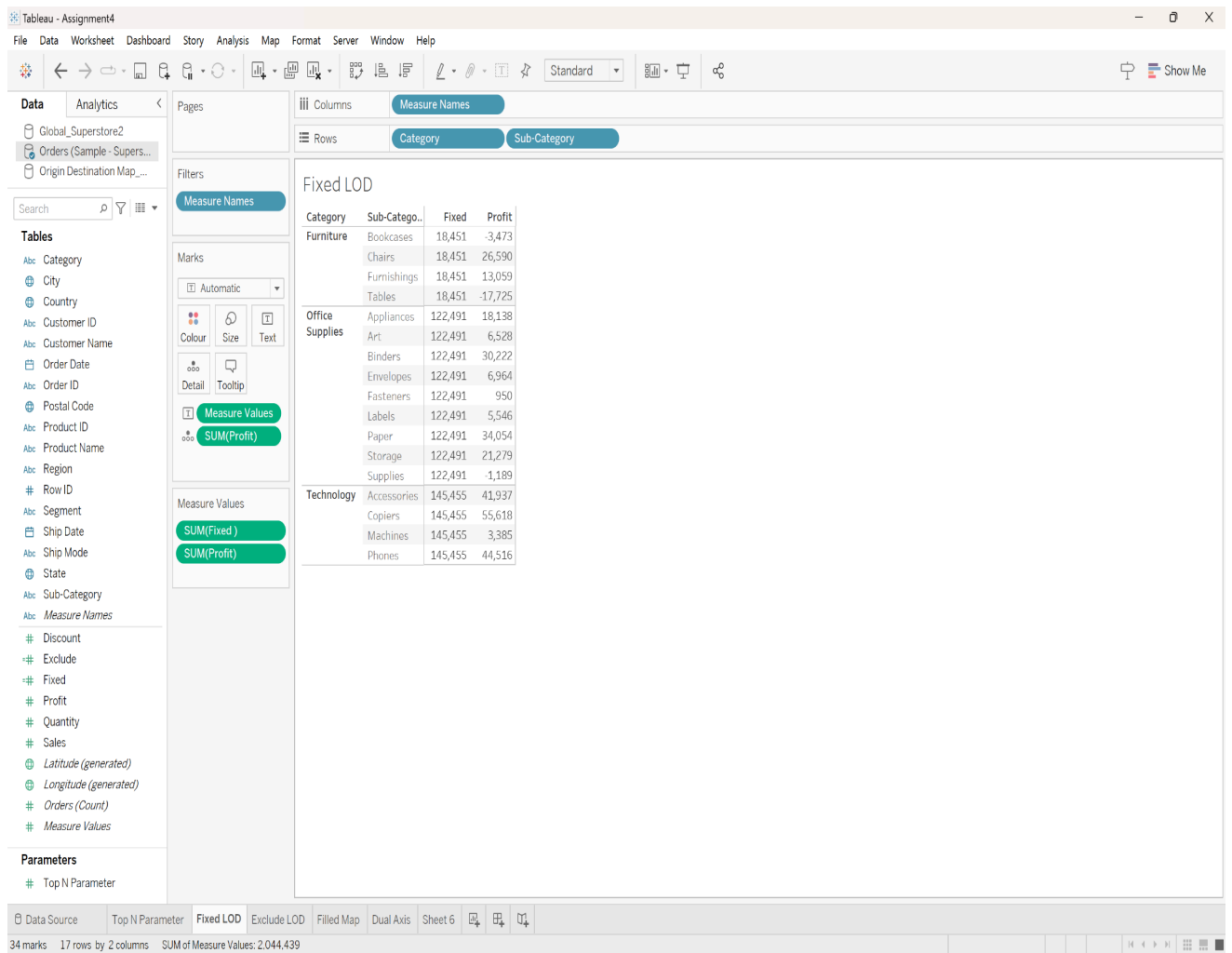


DATA ANALYTICS WITH TABLEAU

ASSIGNMENT-4

TASK 1: CREATE ONE FIXED AND ONE EXCLUDE LOD EXPRESSION

FIXED LOD EXPRESSION:

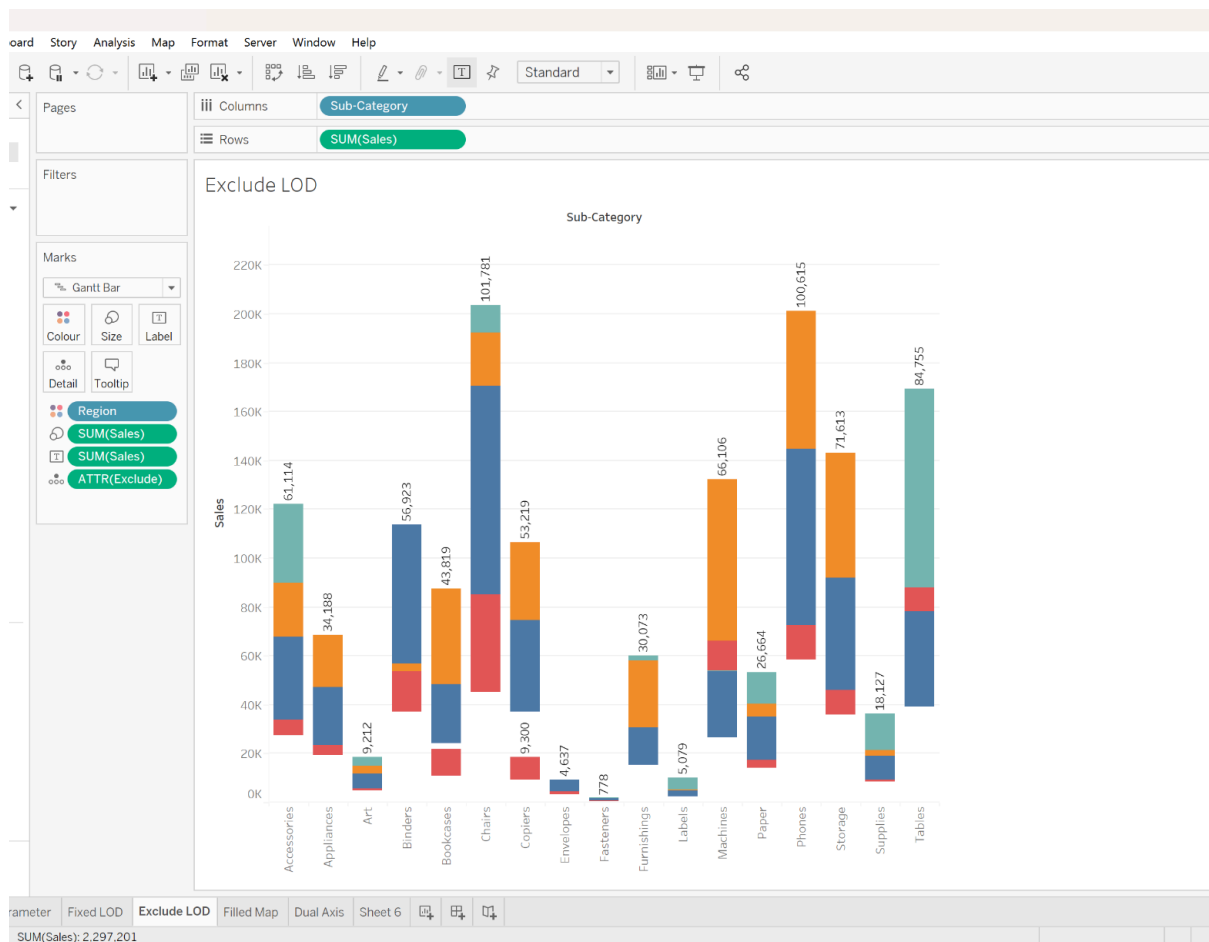


- The Above Visualization is Called Text Table Visualization.
- I Have Used Fixed LOD Expression
- While Creating This Fixed LOD Expression, I have used the below Formula

$$\{ \text{FIXED } [\text{Category}]: \text{SUM}([\text{Profit}]) \}$$

The above visualization defines the Sum of Profit for different Categories and Sub-Categories. Since we have used Fixed LOD Expression, The sum of profit is fixed for categories.

EXCLUDE LOD EXPRESSION:

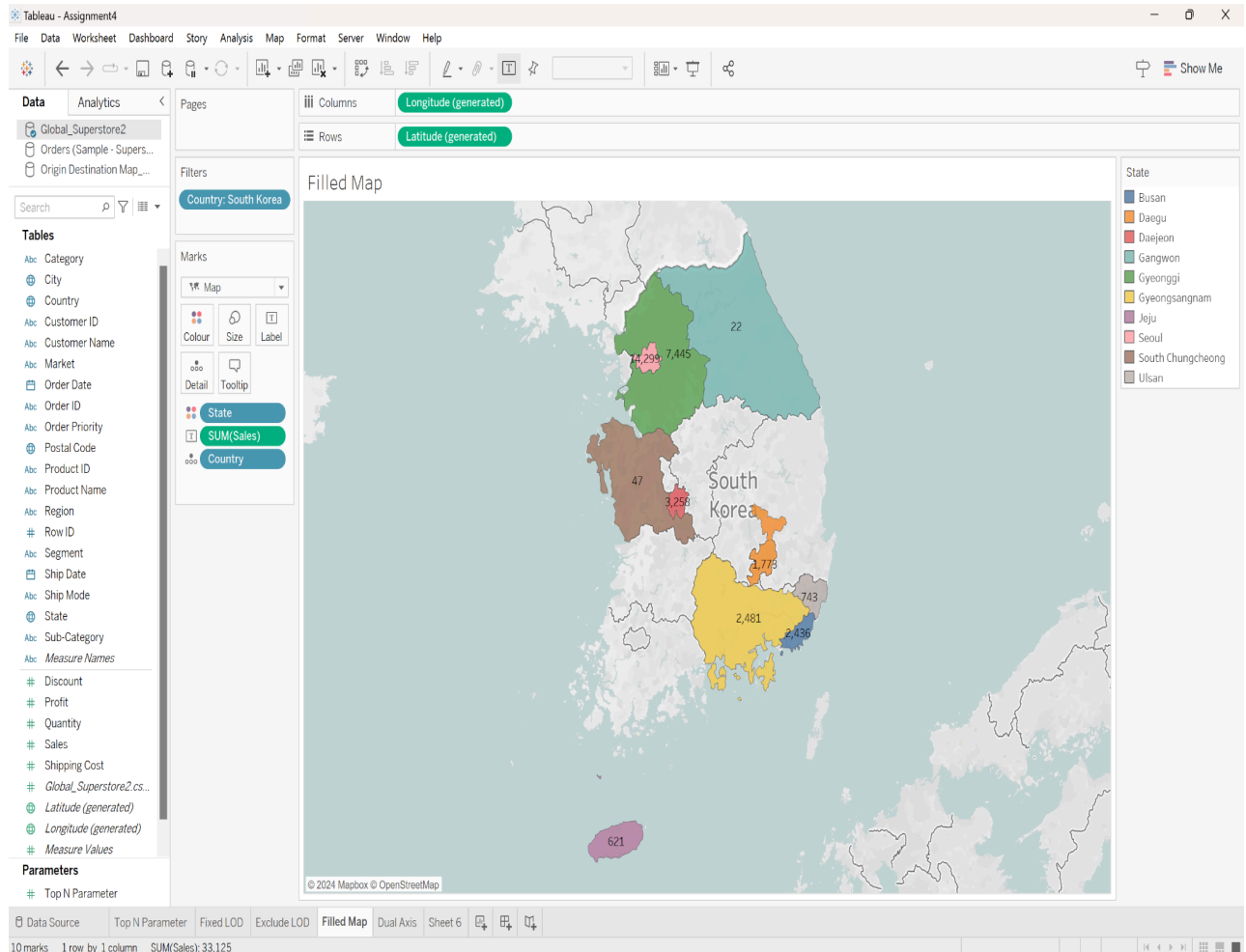


- The Above Visualization is Stacked Bars.
- I Have Used Exclude LOD Expression
- While Creating this Exclude LOD Expression, I have used the below Formula {EXCLUDE [Region]:AVG([Sales])}

The above visualization defines the Average of Sales for different Regions and Sub-Categories. Since we have used Exclude LOD Expression, The average of sales is excluded for Region. It only shows us the average sales of sub-categories.

TASK 2: Create any 2 map visualizations using geographical data

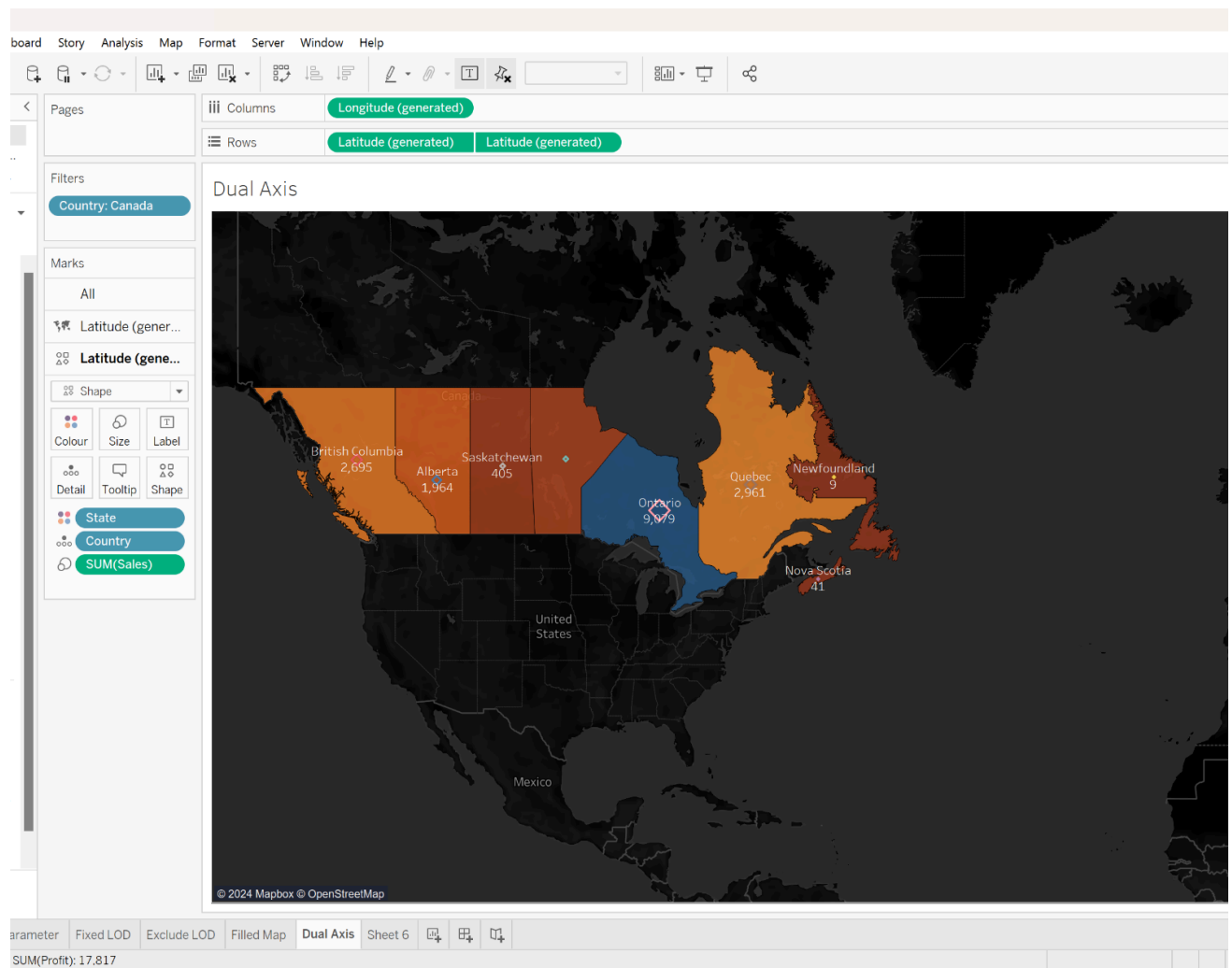
FILLED MAP:



- The Above Visualization is Called Filled Map
- I used Filter for the Country SOUTH KOREA
- I used color to represent different states

This Visualization Represents the Sum Of Sales for different States in South Korea.

DUAL AXIS MAP:



- The Above Visualization is Called Dual Axis Map
- I used Filter for the Country CANADA
- I used Background Map as Dark

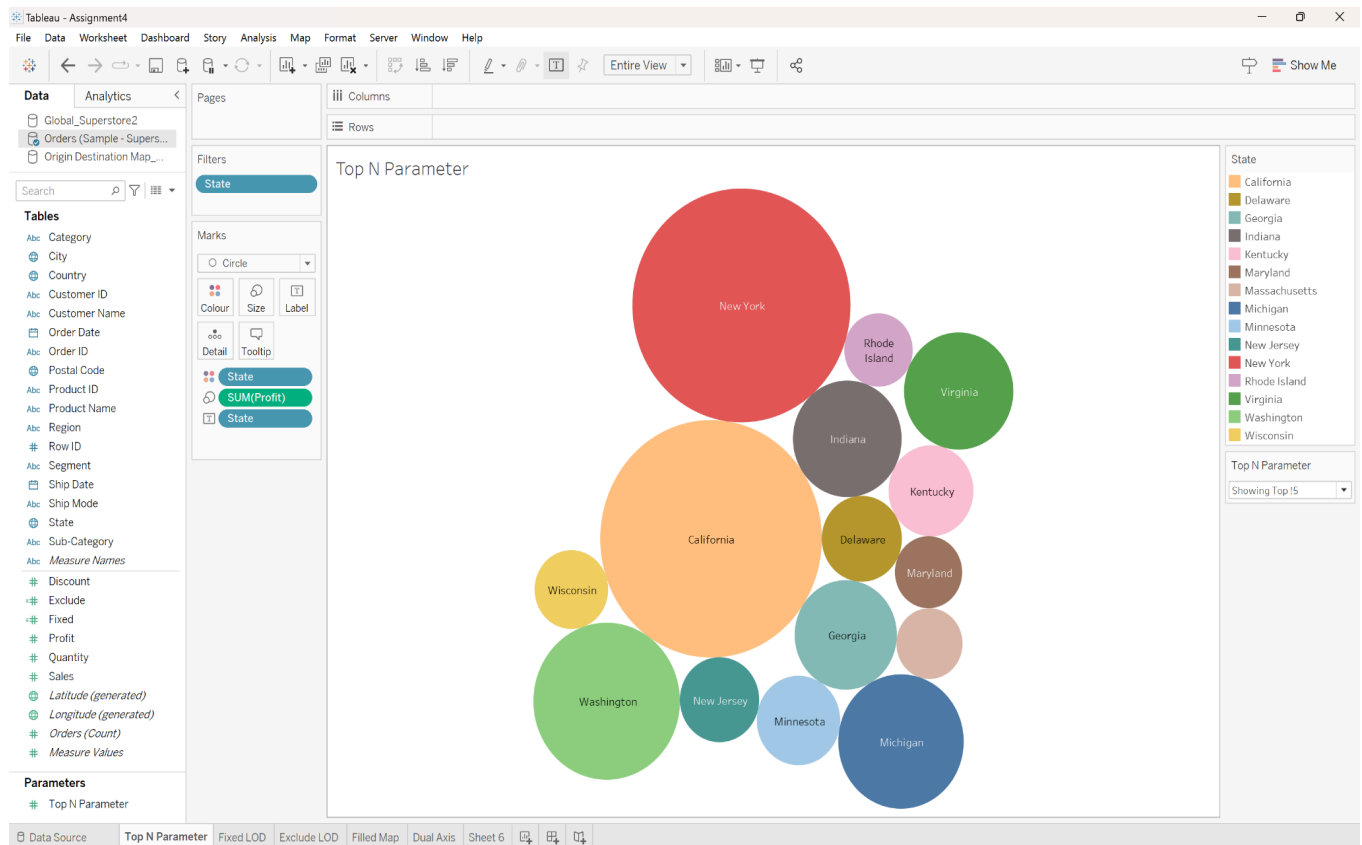
This Visualization defines Sum of Sales and Sum of Profits for various states in the country Canada.

The Colour Shaded Region defines sum of Profit

The Diamond Symbol represents the Sum of Sales

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

TOP N PARAMETER:



- The Above Visualization is Called Bubble Chart.
- I Have Created a Parameter Called "Top N Parameter"
- I accessed the values as Lists
 - ❖ Top 25
 - ❖ Showing Top 15

Then I opened filter pane select Top N Parameter in the top section and selected Showing Top 15

Therefore, The above visualization represents the top 15 States of the Country US which have highest sum of Profit.