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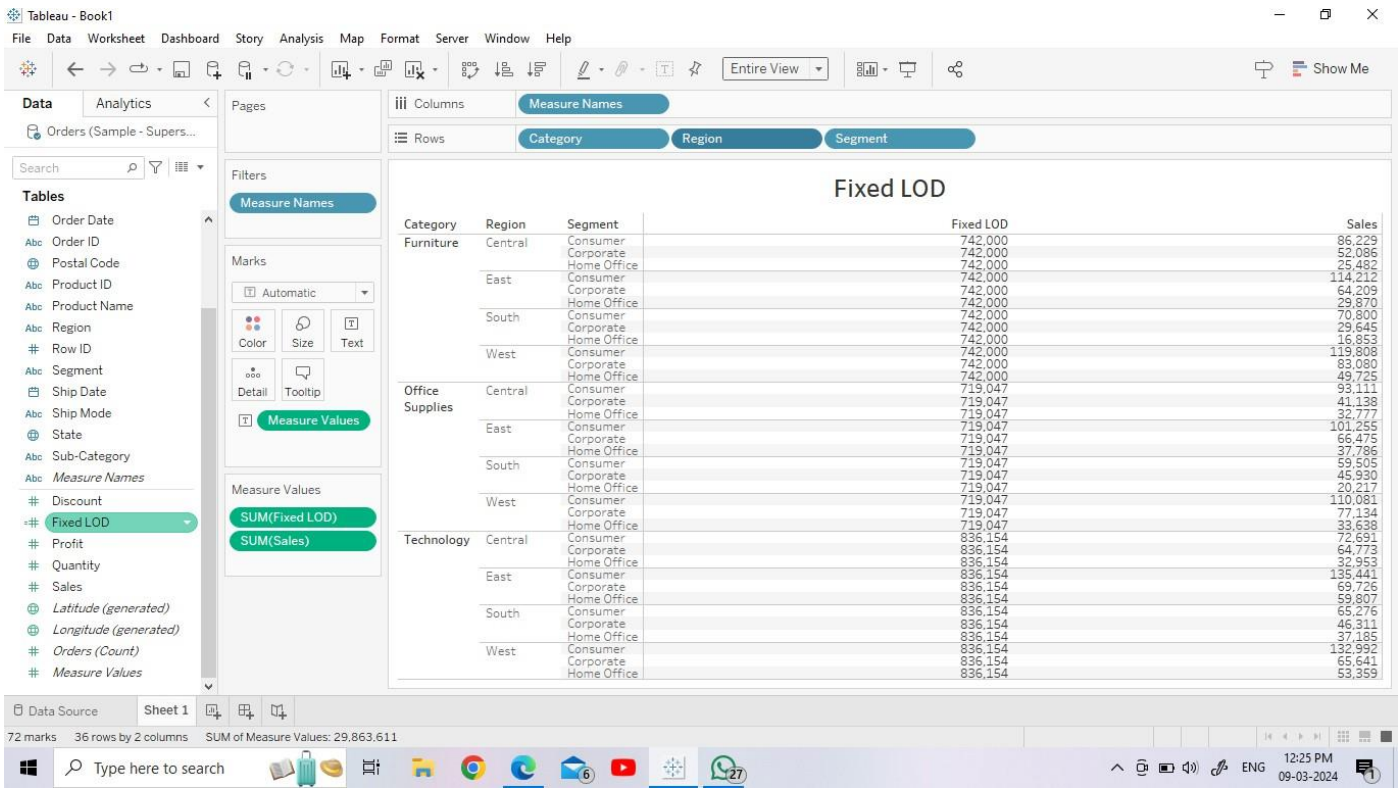
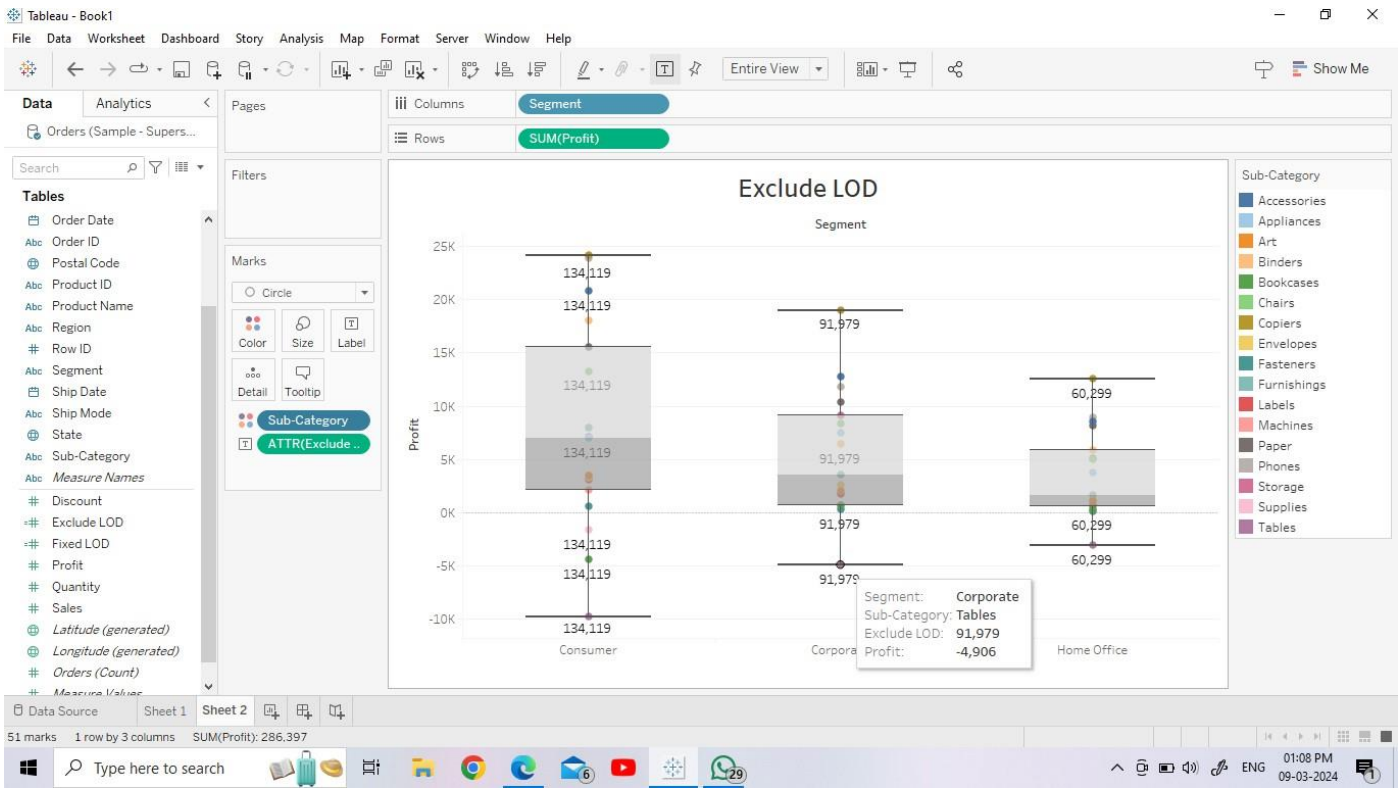
DATA ANALYST Assignment – 4

Task – 1

Fixed LOD Expression: In Tableau, a fixed level of detail (LOD) expression calculates a value using specified dimensions, without reference to the view's dimensions or filters.



Exclude LOD Expression: In Tableau, EXCLUDE level of detail (LOD) expressions prevent calculations from using one or more dimensions in the view. EXCLUDE LOD expressions work by excluding a specific dimension or set of dimensions from the calculation, while still considering the other dimensions present in the view.

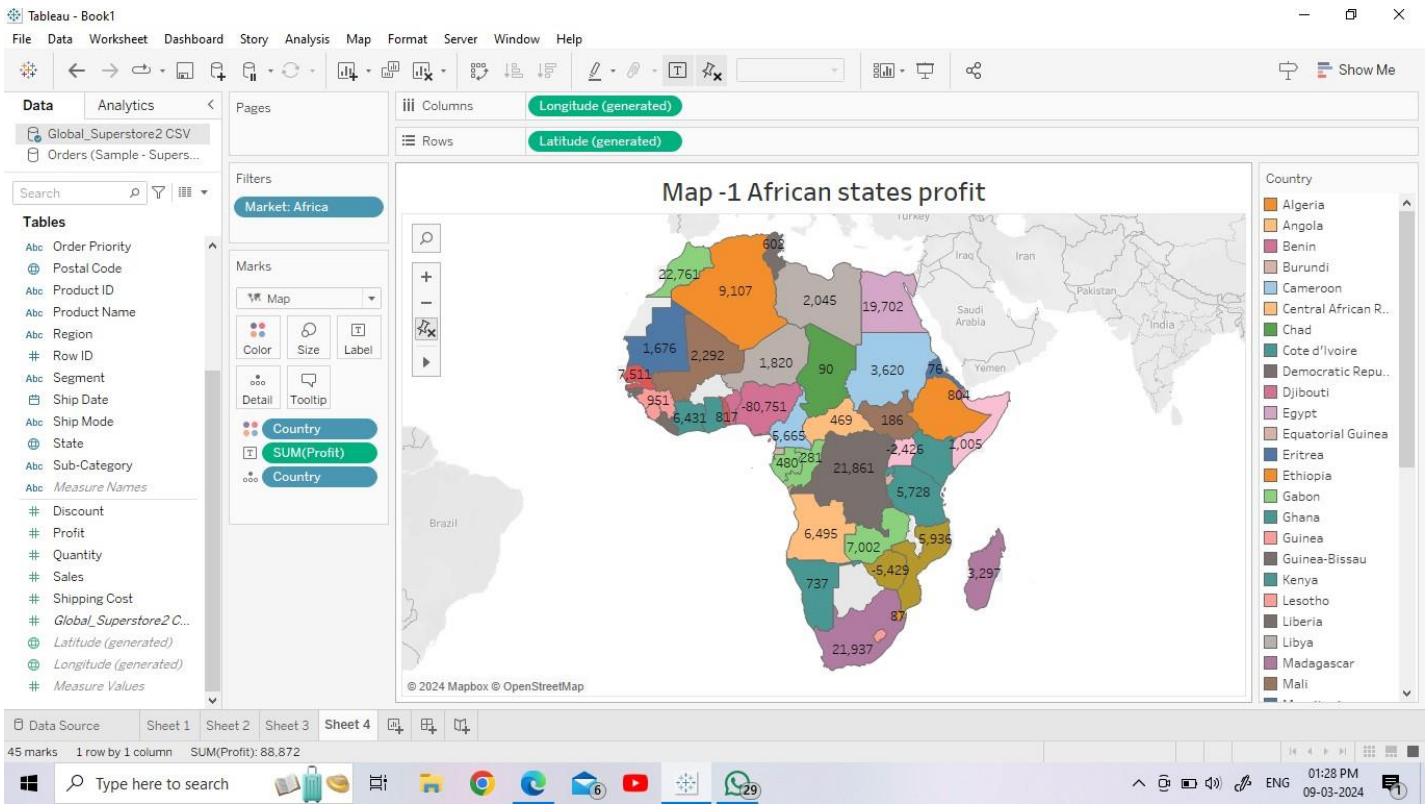


Task – 2

Map Visualizations: This kind of data expression is clearer and more intuitive. We can visuallysee the distribution or proportion of data in each region

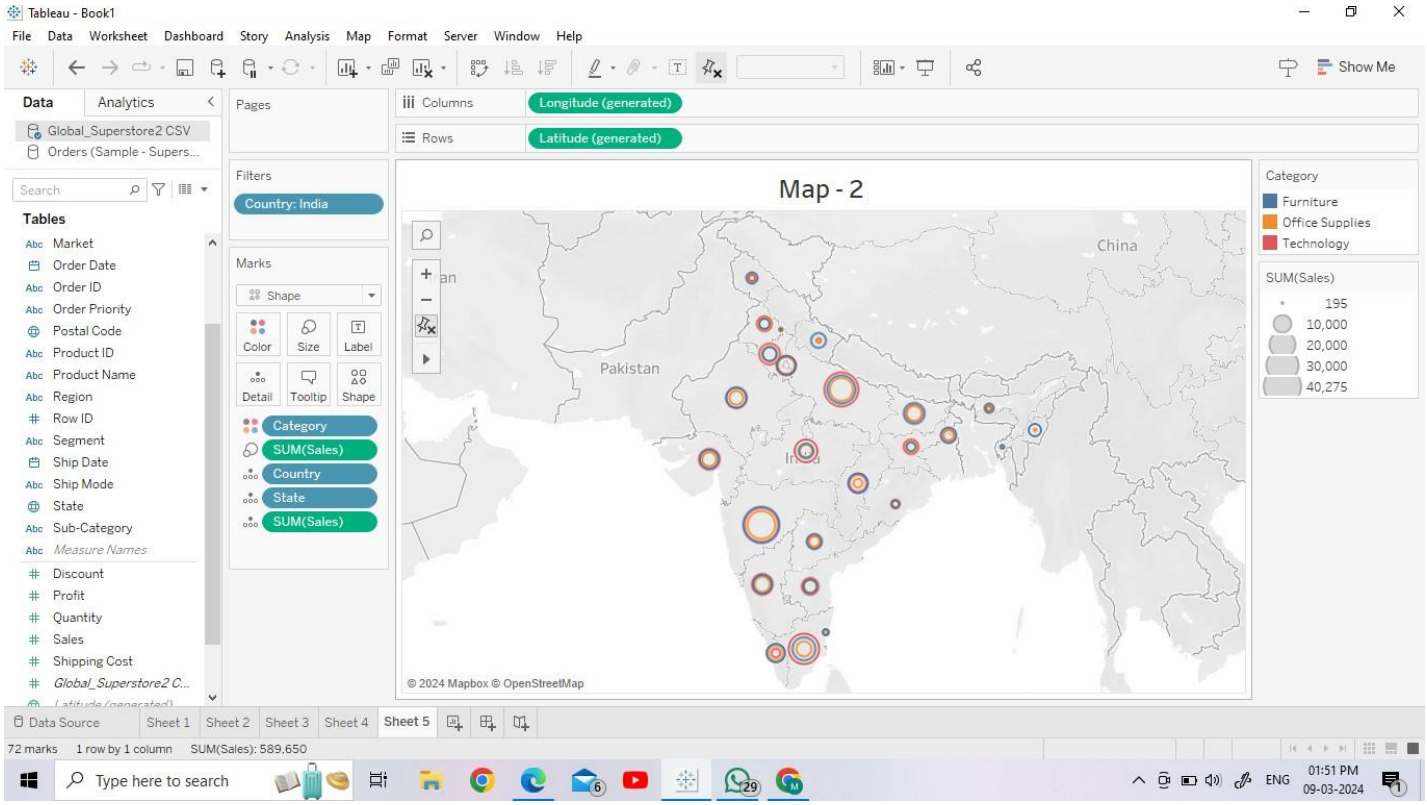
Map – 1 African states with profit

Here the visualization is generated by geographical data, and here the exhibited data is the profit of each and every state of Africa. The color element is used for better understanding and easy recognition of each state .



Map – 2 Indian states with categorical sales

Here the visualization is generated by geographical data, and here the exhibited data is the profit of each and every state of India. The color element is used for better understanding and easy recognization of each state . The sales of different categories has been visualized here.



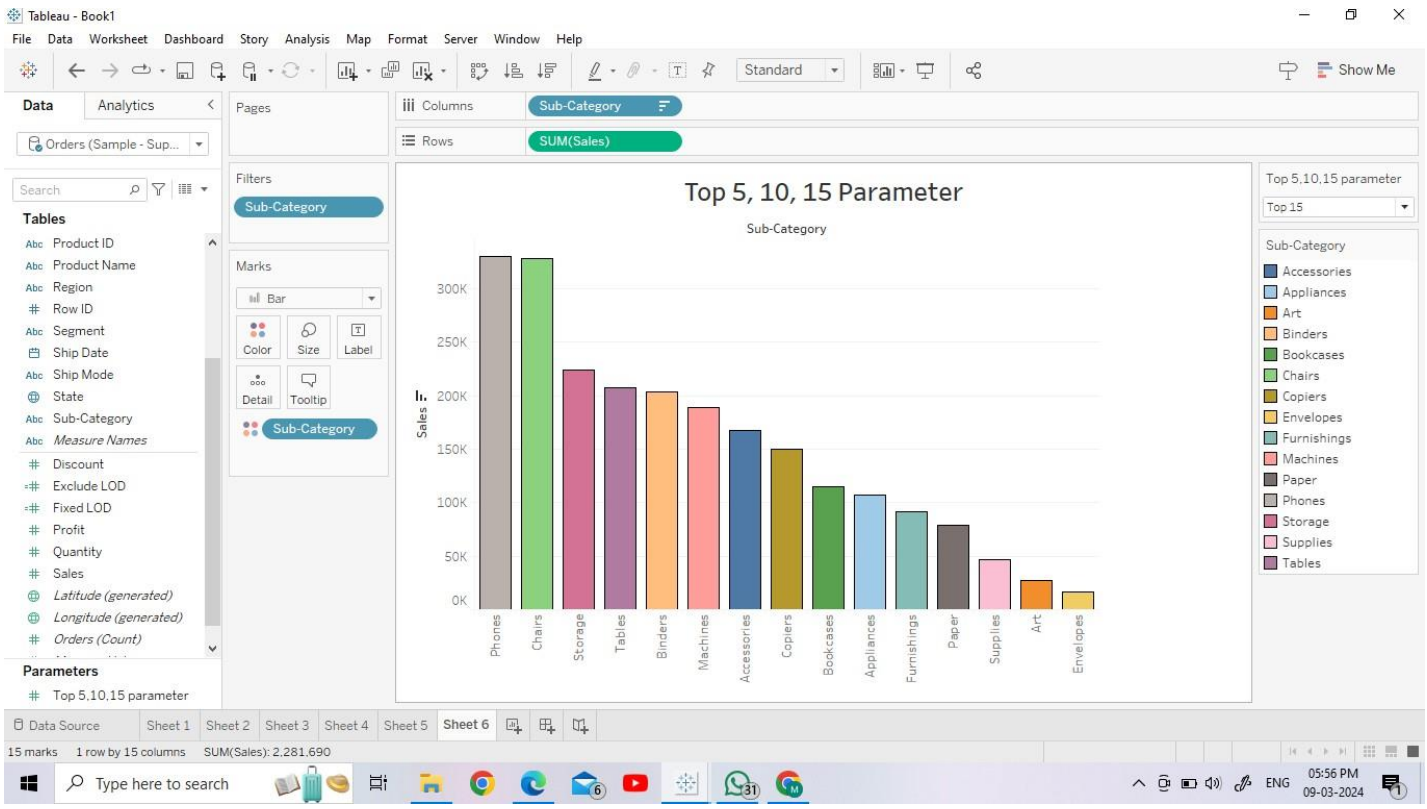
Task – 3

Top N Parameter : A Top N parameter in Tableau is a parameter that allows users to choose how many dimension members to display. This feature is called the Top N% filter.

In Tableau, a Top N parameter is a value that the user selects to return data according to a number. The "N" in the name refers to the number. For example, if a company has 1,000 products and wants to see the top five, they can use a Top N filter.

Top 5, 10, 15 sub categories

Here top 5, 10, 15 sub categories with maximum sales and the bars are used to represent it visually.



Using parameters to dynamically display dimensions in Tableau

1. Create a parameter. Create a new parameter that lists your dimensions of interest. ...
2. Create a calculated field. The next step is to create a calculated field that will be used as a dimension in your worksheet. ...
3. Add the calculated field to the canvas.