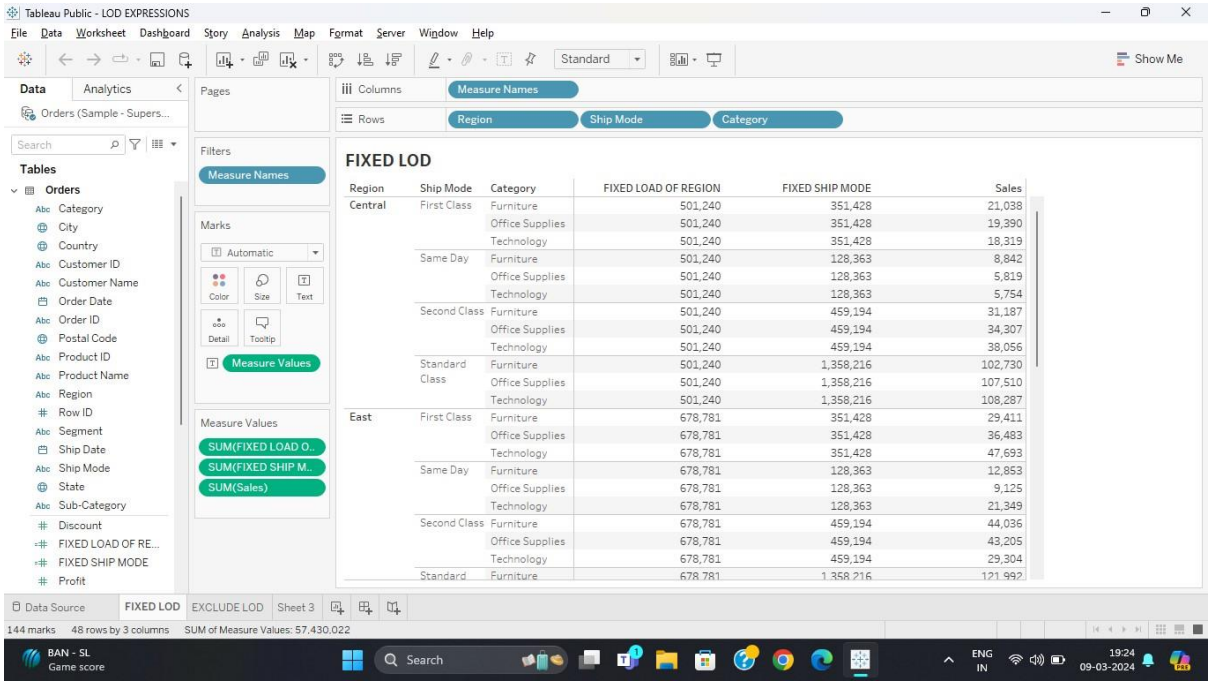
DATA ANALYTICS

ASSIGNMENT -4

TASK-1

FIXED LOD Expression: A Fixed Level of detail expression allows you to compute values at a specified level of granularity, regardless of the visualization's level of detail. In the below Visualizations it shows the Different Regions in each region it is divided with separate ship modes and sales.

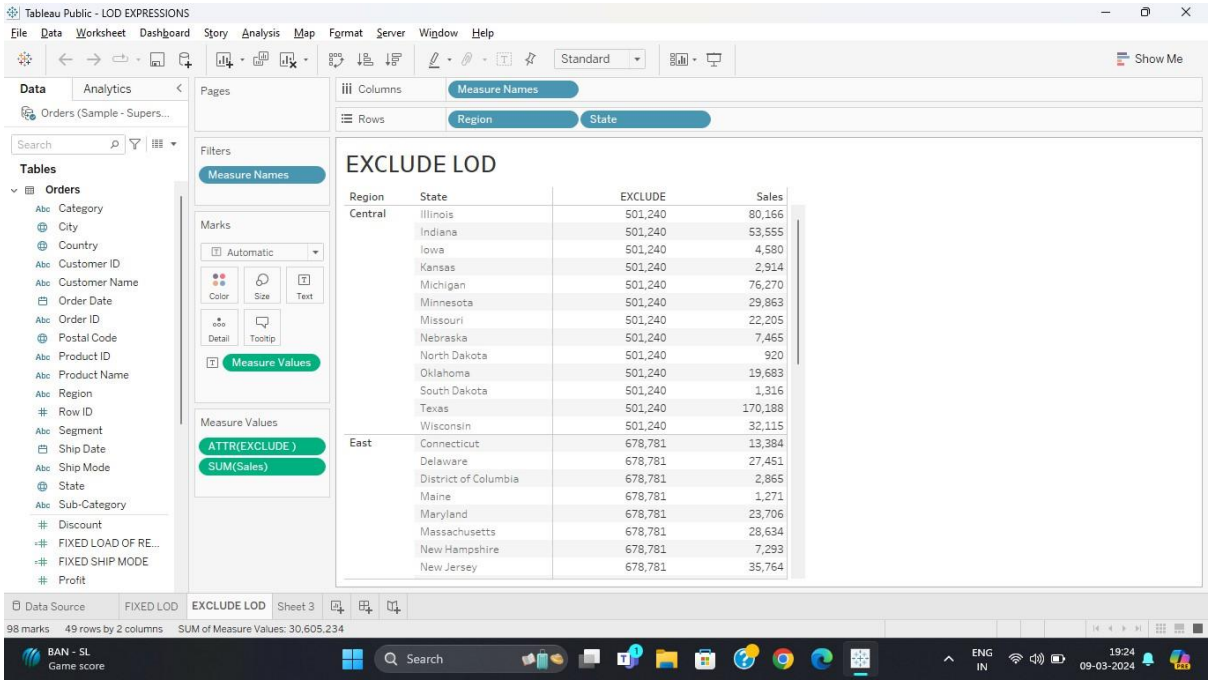
First drag the region in rows then it shows the different regions and drag the sales in the region in sheet now it view the sales of the different regions and then add ship mode in rows it divided into two classes and add category in rows now create a calculation field in sales and drag it to the sales in sheet it shows the fixed load of region. Now again create another calculation in category and drag the calculation 2 in the sheet sales it shows the fixed ship mode. totally it view the fixed sales of different regions and different ship modes, different categories.



EXCLUDE LOD EXPRESSION: In This Exclude level of Detail expression I Want show the Perfect calculation of dimension of view so I kept in rows region, state and I created a new calculation field and write my code in the field

In below visualization we can observe that exclude values to get detailed view of sales.

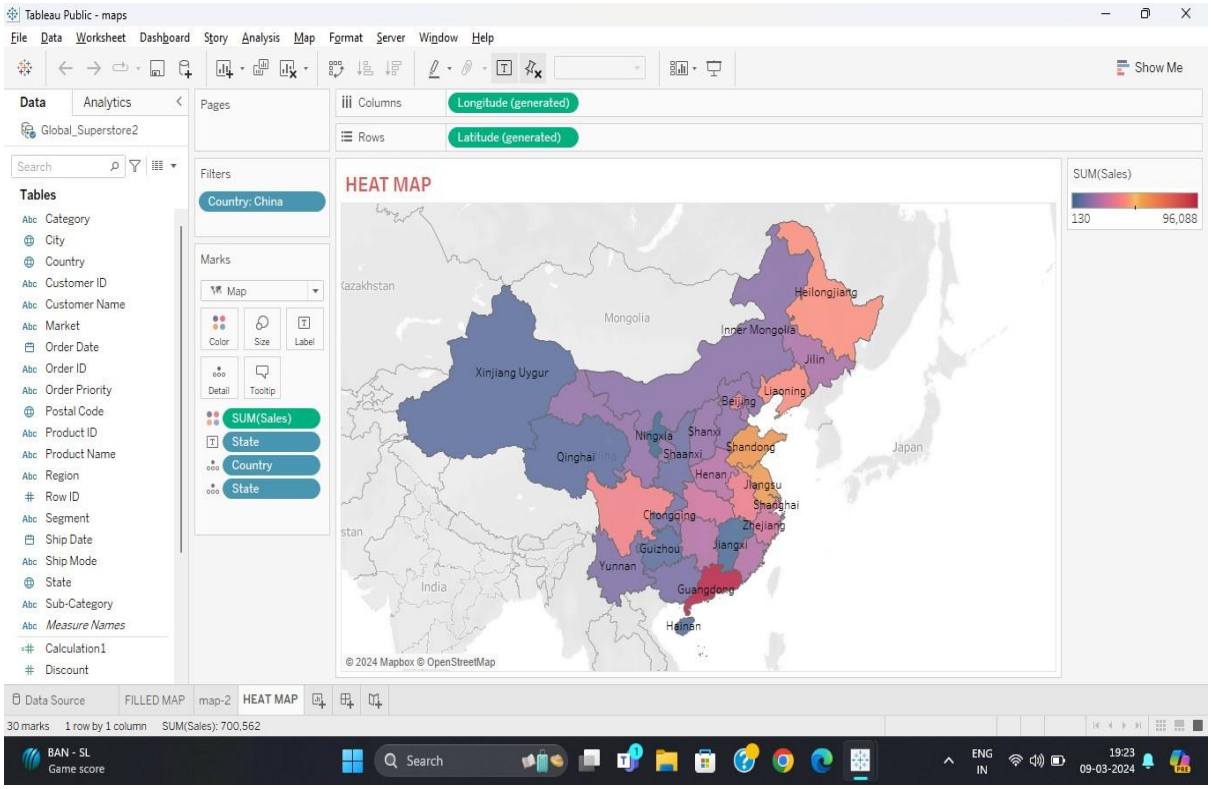
(EG:{Exclude[STATE]:SUM([SALES])})



TASK-2

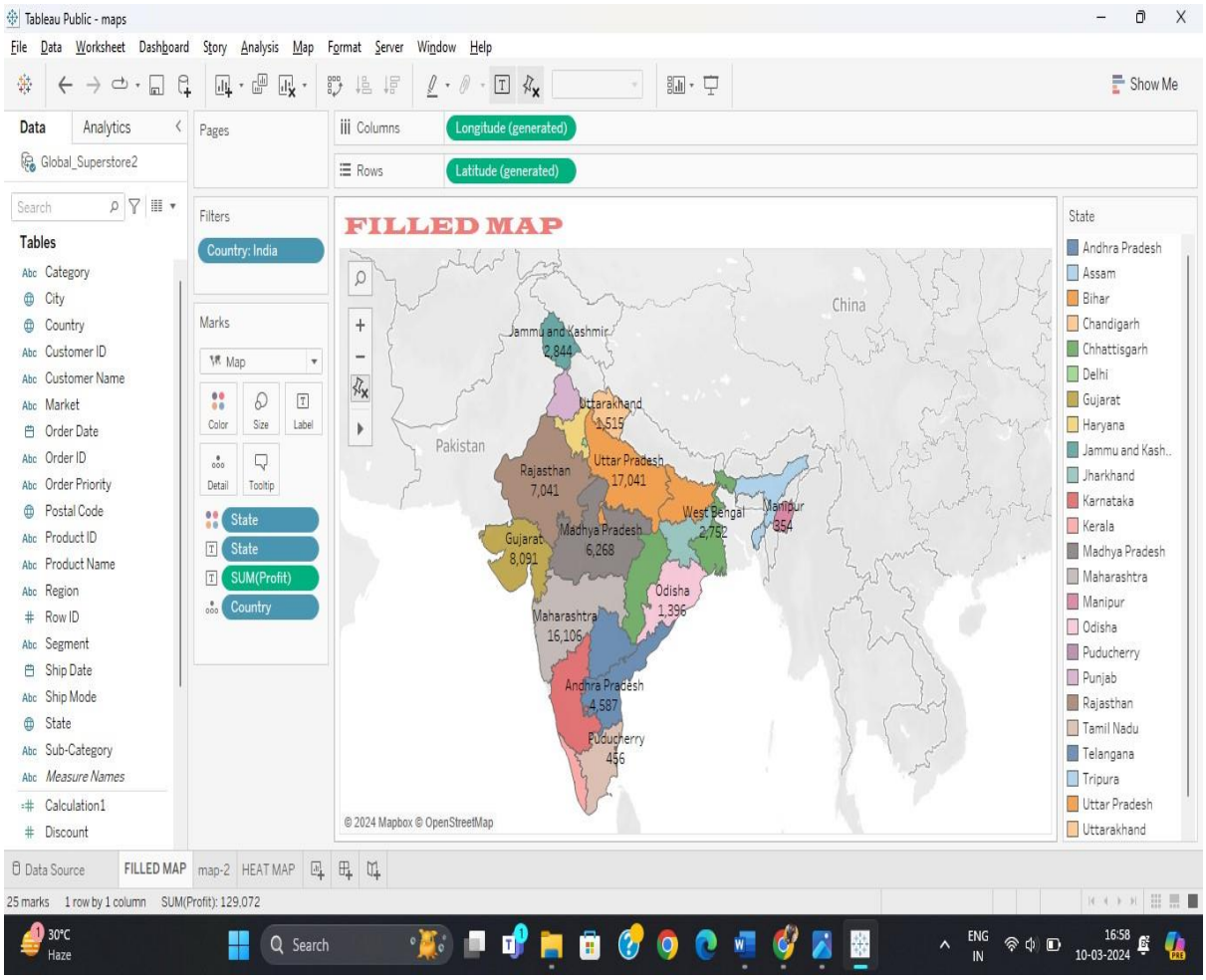
HEAT MAP: In this Heat Map I want to show the sales in Each State in the map. So I kept the sales in mark color it shows the different states of data in different colors. it highlights the red color with highest's sales and lowest sales with blue color

The below visualization shows that sales in different states with different colors .



FILLED MAP: Filled map visualization is a method of graphically representing numerical data where the value of each data point is indicated using colors.

In this Filled map longitude value is taken in column field and latitude value is taken in row field then we get resultant Filled map. Here we can observe that the Profit values are represented with different shades of colours respected to different areas.

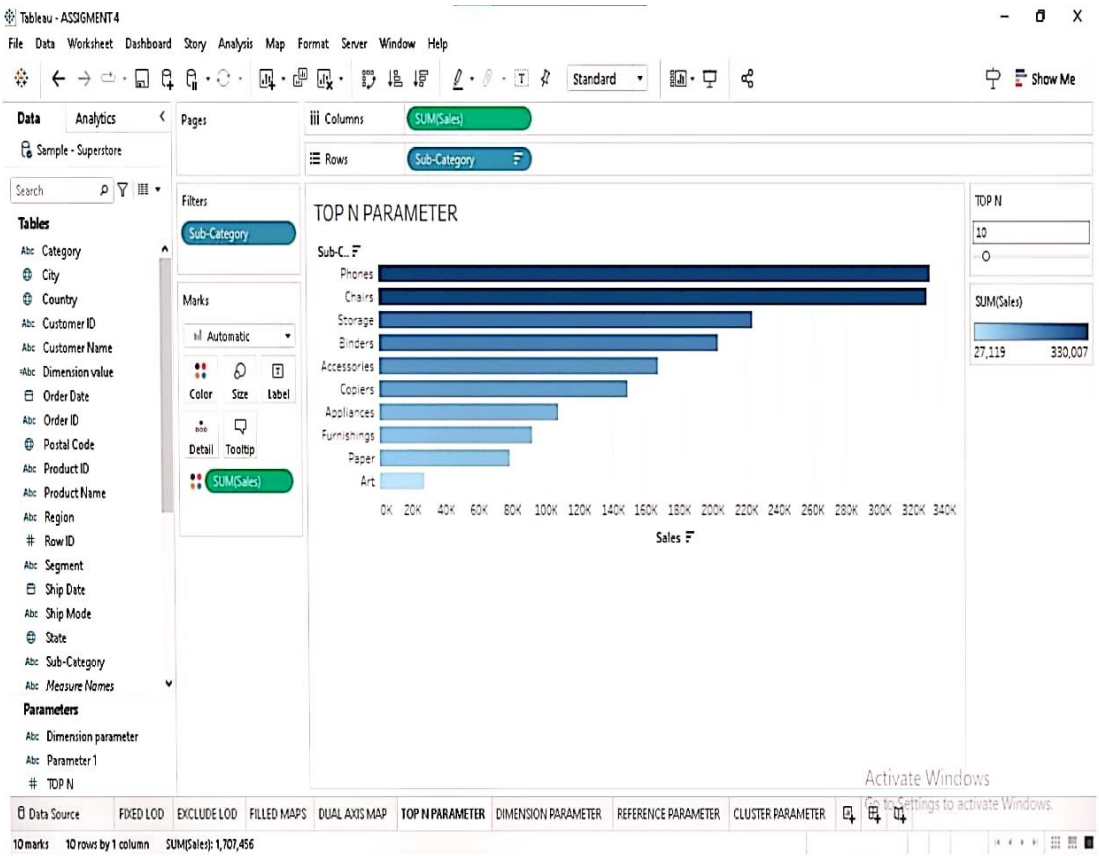


TASK-3

TOP N PARAMETERS: In this Top N Parameters I want to show the sub-category sales in filters.

In below visualization we can observe that the Top N parameter display the top 100 sub category values according to their sales.

We used sum of sales in columnfield and sub category in rows field that we got the resultant visualization showing top 10 sub category values in a decending order.



DIMENSION PARAMETER: Dimensions contains qualitative values (such a names, dates or geographical data).

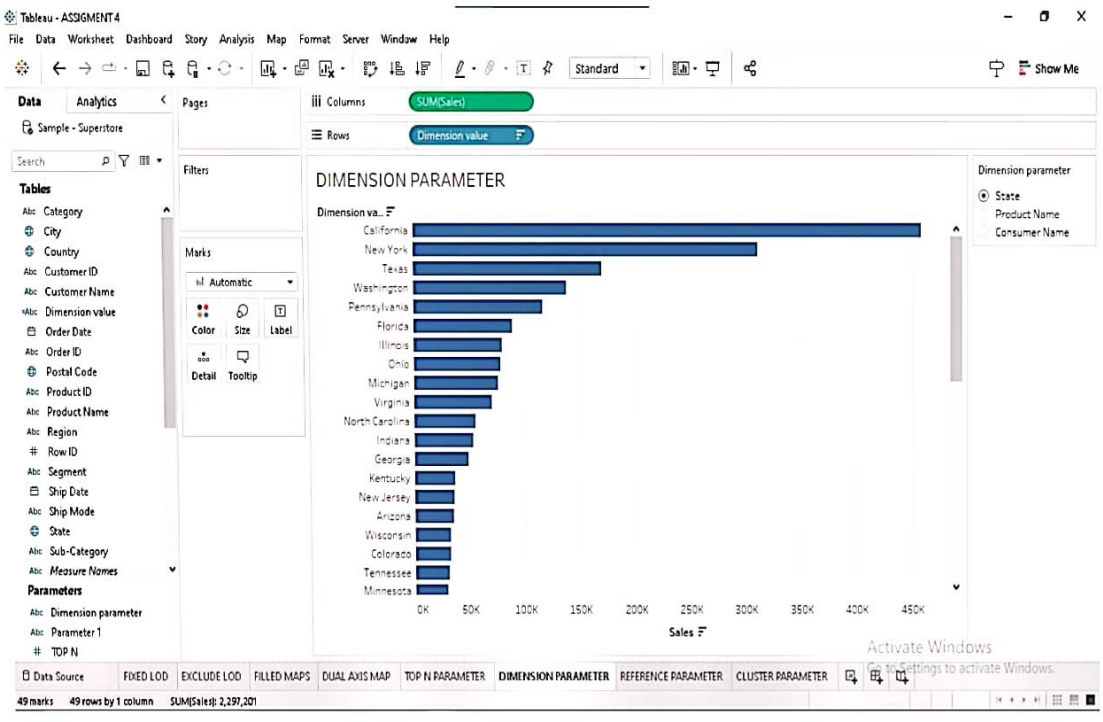
We can use dimensions to categorize, segment, and reveal the details in your data. Dimensions affect the level of detail in the view.

➢ Dimensions are categorical data fields that represent qualitative attributes.

➢ They provide context and structure to data, allowing users to segment, group, and categorize information for analysis.

➢ They are typically used on the rows and columns of a visualization, defining the axes of charts and graphs.

In the below visualization I want to show the sales by category, state and product name by using parameters and calculation field.



THANK YOU