

DATA ANALYTICS

ASSIGNMENT-4

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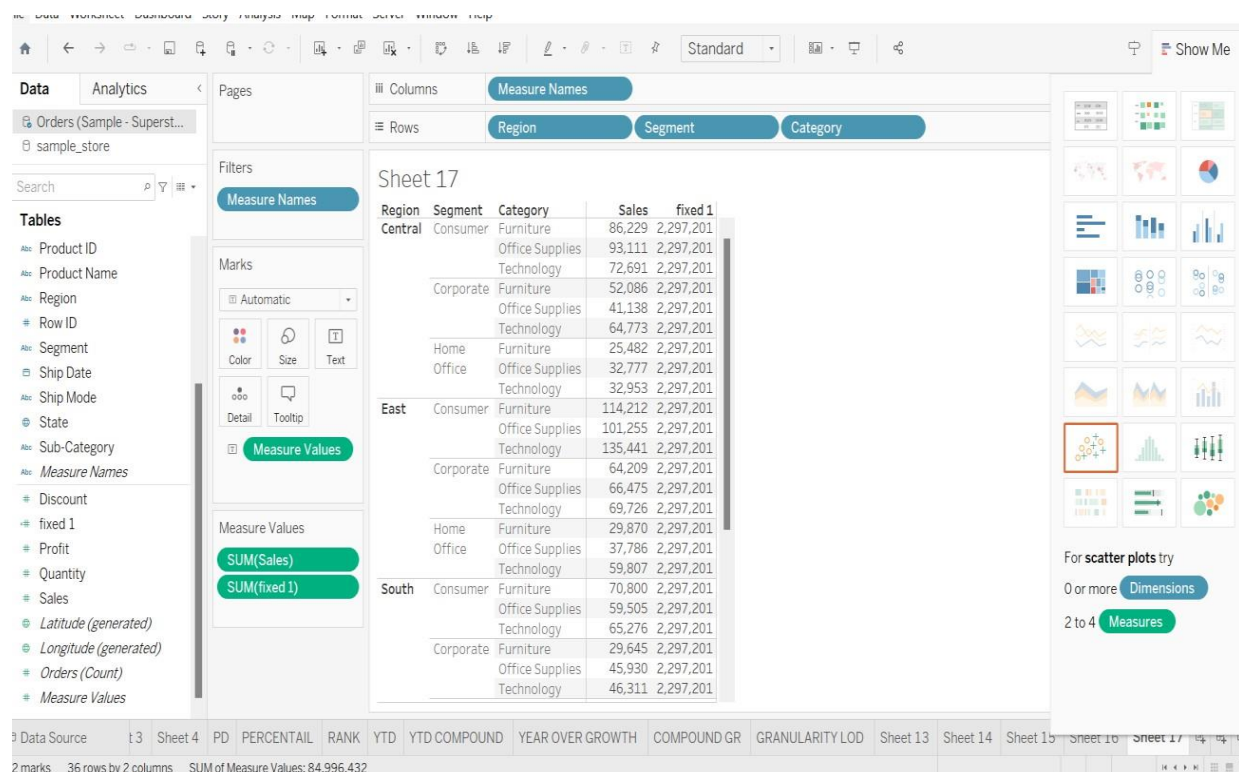
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CreatingFixed LODexpression:



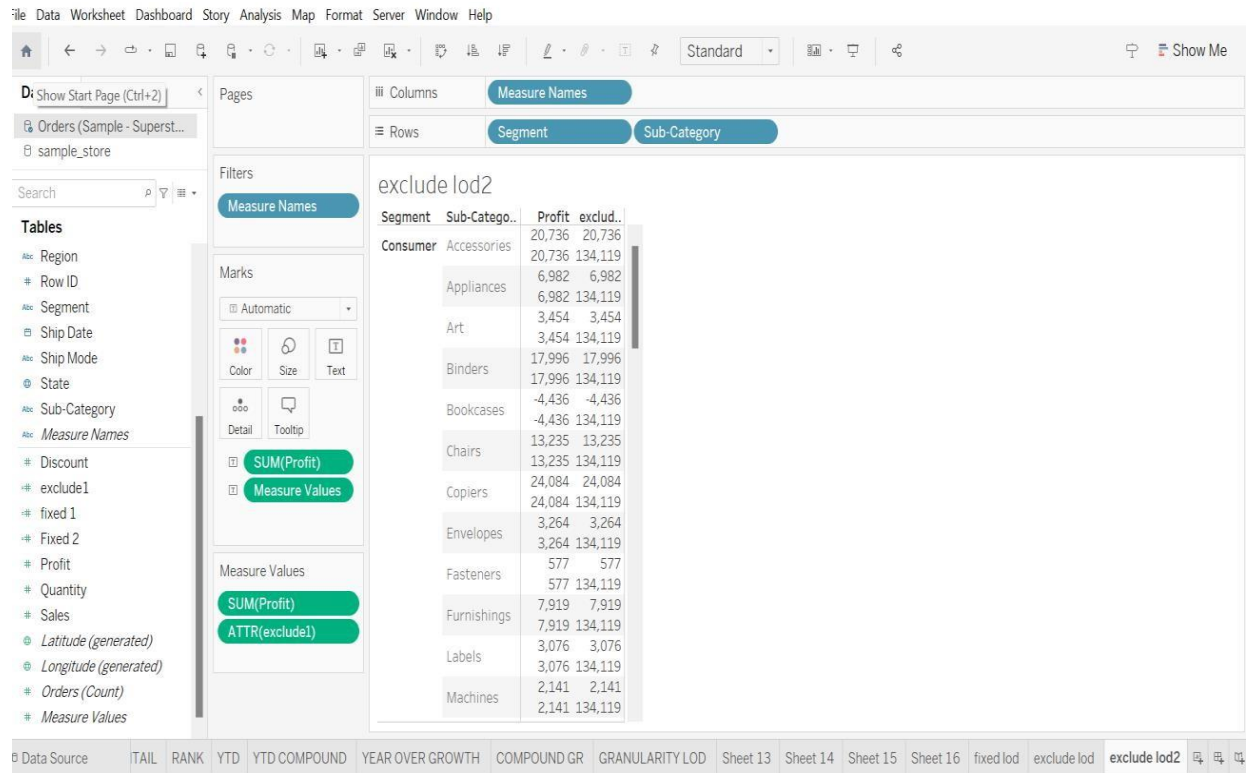
A fixed LOD (Level of Detail) expression in data analysis is a calculation that maintains a specific level of detail regardless of other dimensions or filters applied to the data. It provides a consistent reference point for aggregation.

Fixed LOD maintains a specific level of detail.

```
{fixed:sum(sales)}:
```

Sales distribution by fixed level of detail: calculate the sum of sales at a fixed level of granularity, independent of visualization's dimensions.

Creating exclude LOD expression



ExcludeLOD expression calculates a value excluding certain dimensions from consideration. It allows for aggregations that ignore specific dimensions, offering a different perspective on the data.

ExcludeLOD disregards certain dimensions in the calculations

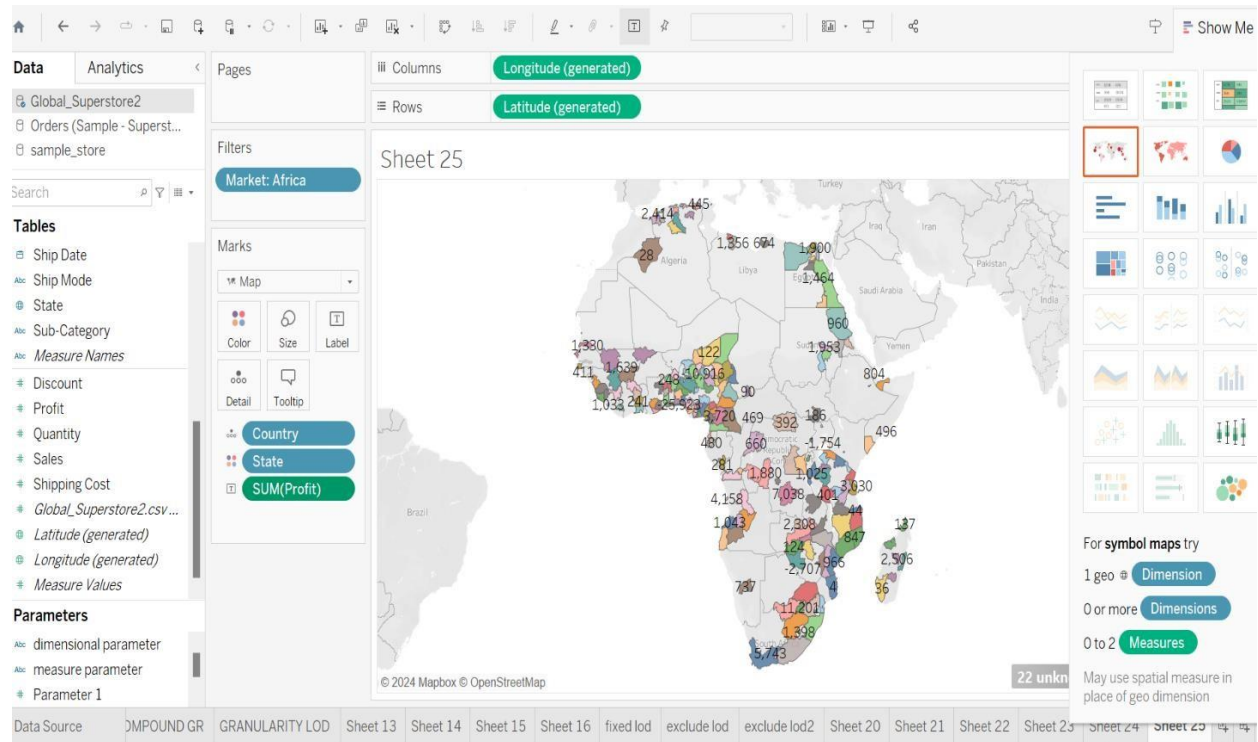
{Exclude[sub-category]:sum([profit])}

Exclude[subcategory]: This is designed to exclude the “sub-category” dimensions.

SUM [Profit]: The aggregation function “sum ()” is applied to “profit” values. It sums up all the profit values.

Creating 2 map visualizations using geographical

data.FILLEDMAP:



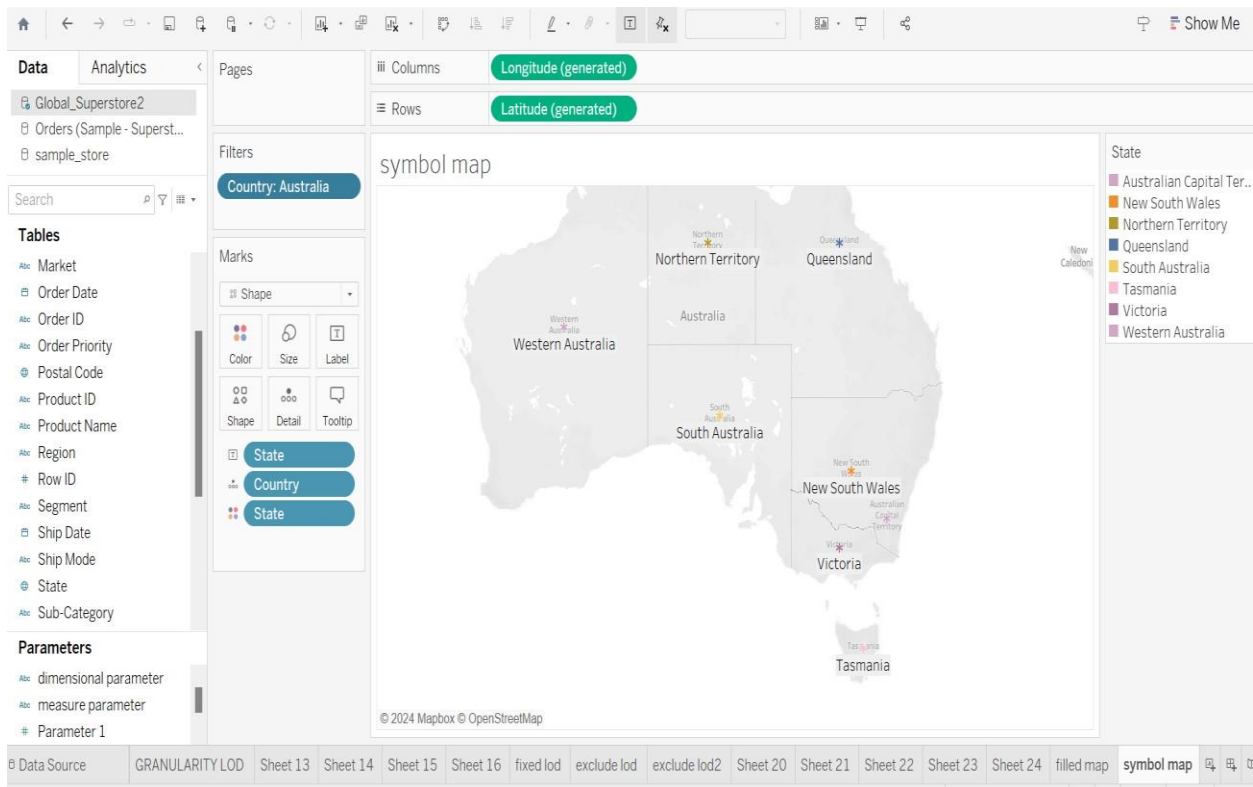
Here I have created a filled map visualization first fall I have taken a global store data set which likely contains information about sales, profits, and other metrics across different countries and regions.

I have drag a column as longitude and row as latitude .I have drag the country, state ,profit to mark I gave a colour to states and and I have drag a market to filter I have selected Africa as country.

Finally filled map visualization that effectively communicates information about profits across different states within the selected African market.

This visualization can help stakeholders gain insights into regional profitability trends and make informed decisions based on the data.

SYMBOLMAP:

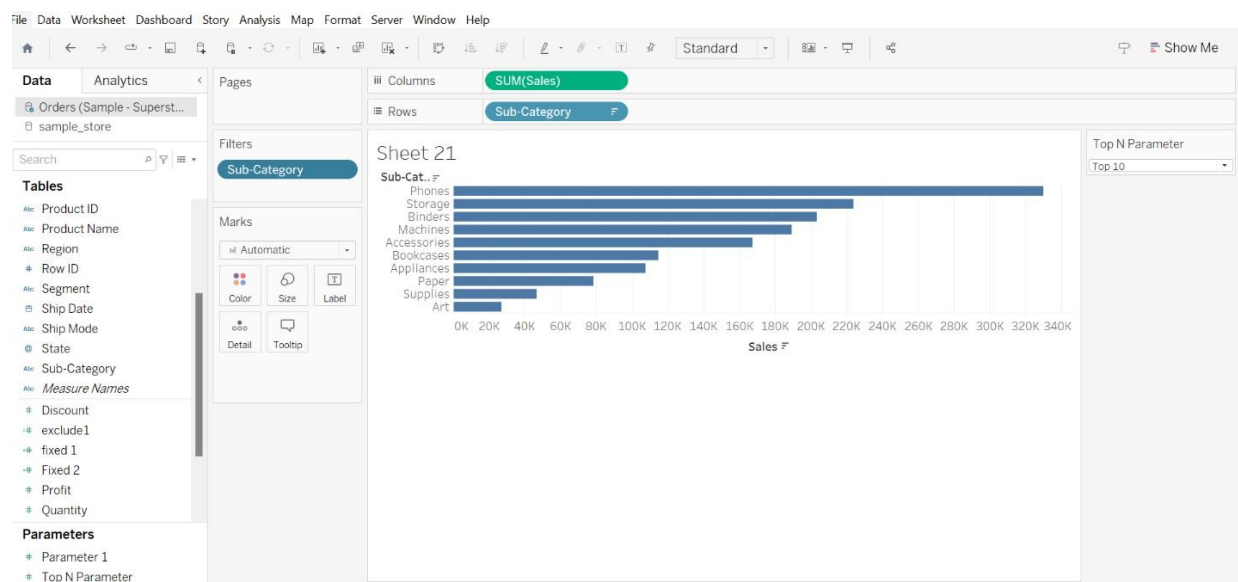
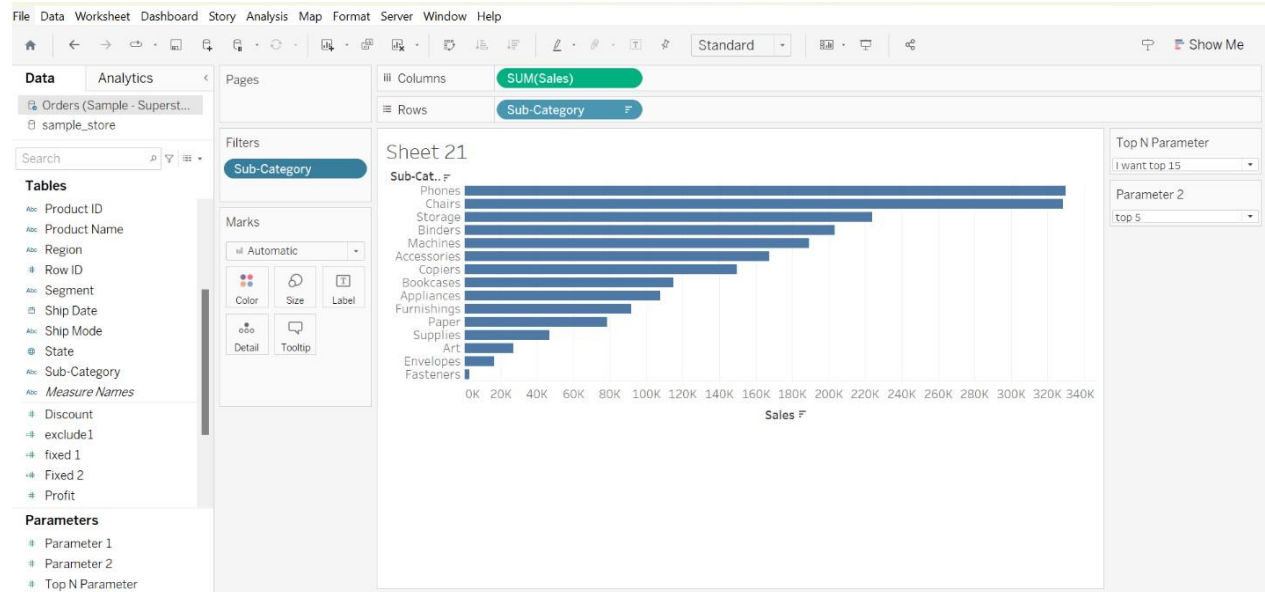


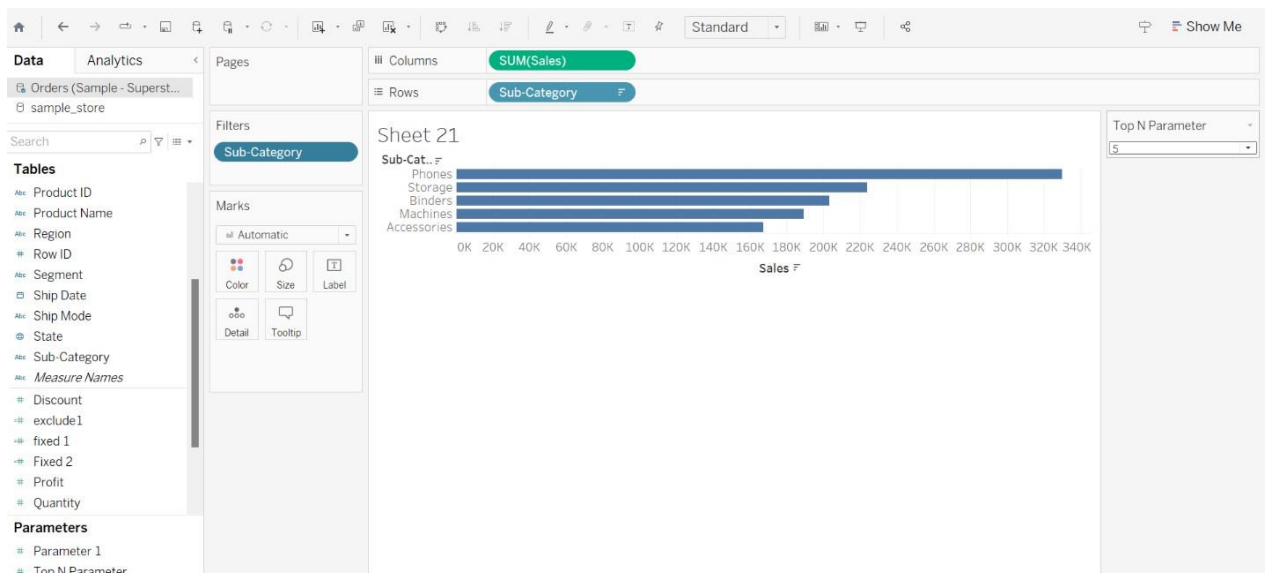
Here I have created a symbol map visualization. First, I have taken a global store dataset which likely contains information about sales, profits, and other metrics across different countries and regions.

I have dragged a column as longitude and row as latitude. I have dragged the country, state, profit to mark. I gave a color to states and I have dragged a market to filter. I have selected Australia as country. And I have entered a shape in the search bar of marks and selected * symbol to create a symbol map.

Symbol map visualization for Australia is a powerful tool for strategic decision making, market analysis, and operational optimization.

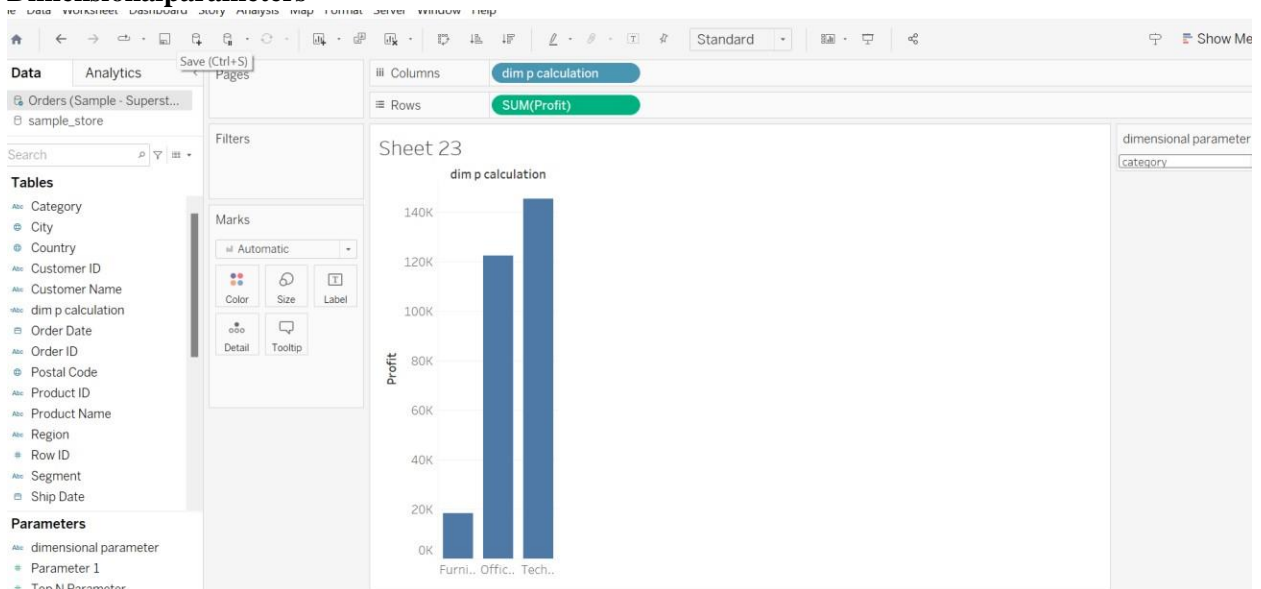
Creating Top N Parameters



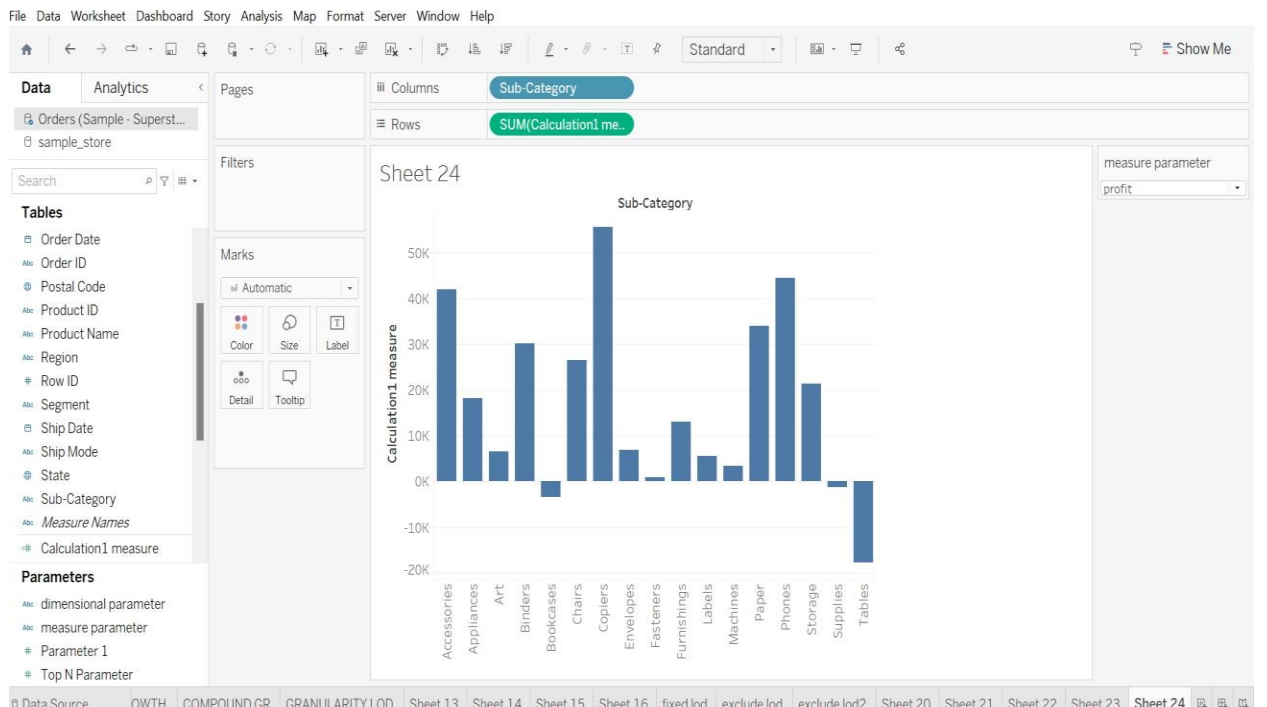
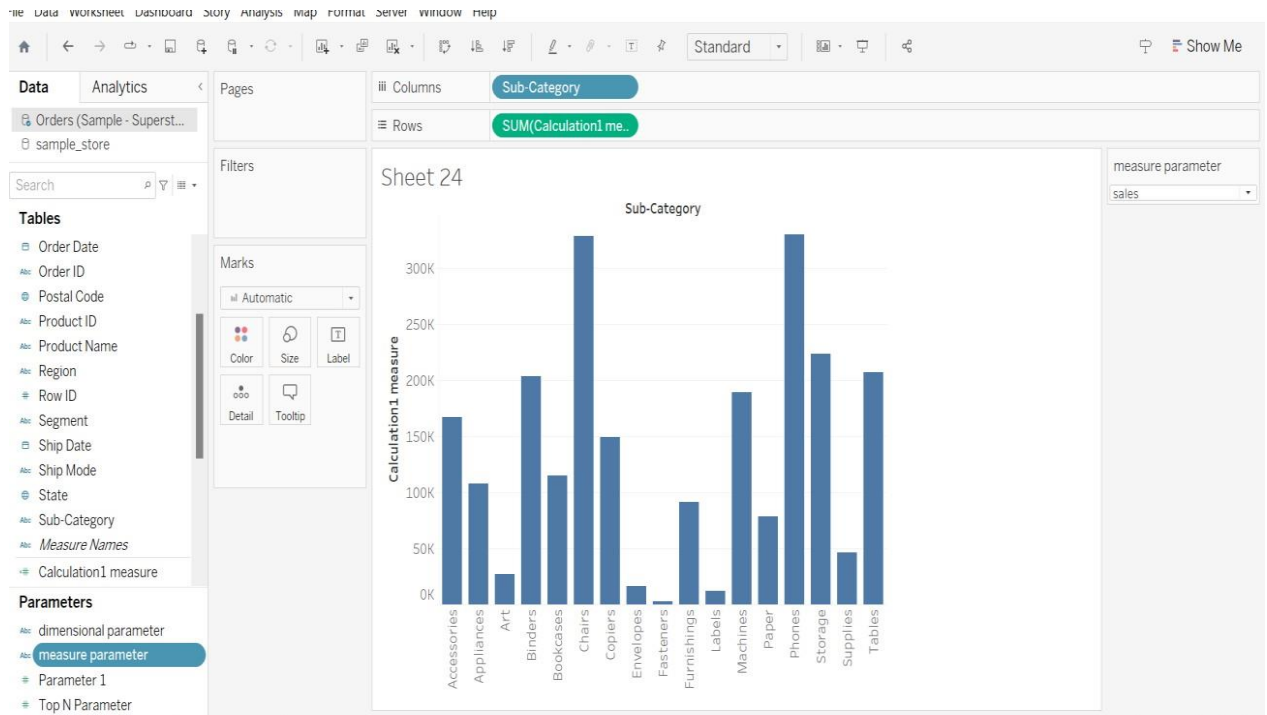


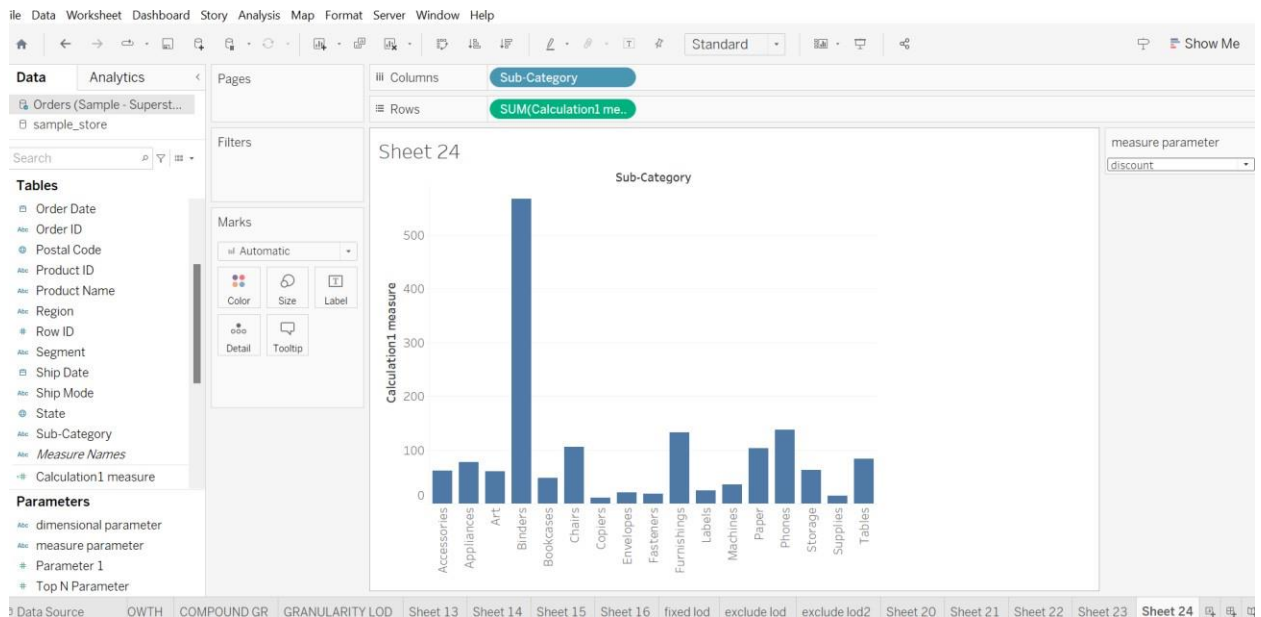
First of all I have to select the sample store data set. And drag the sales to column and row to subcategory. Drop down the creating a parameters and select the integer in the field and select the list option and add the data like I want top 5 and top 10 and top 5 in that place. Click on OK and I have created finally top n parameter. Now we have to click on that and go to show parameters and we have options we can click on that we get Top 15, Top 10, Top 5 subcategories. Focus on most significant data points and gain insights.

Dimensional parameters



MEASUREPARAMETERS:





Calculated field: IF [measure parameter]="sales" THEN[sales]
 ELSEIF[measureparameter]="profit" THEN [profit] ELSEIF[measure
 parameter]="discount"THEN[discount]END