

# DATA ANALYTICS WITH TABLEAU

## ASSIGNMENT 4

### FIXED LOD EXPRESSION

As we see above, the fixed LOD expression consists a fixed value that is 2,297,201.

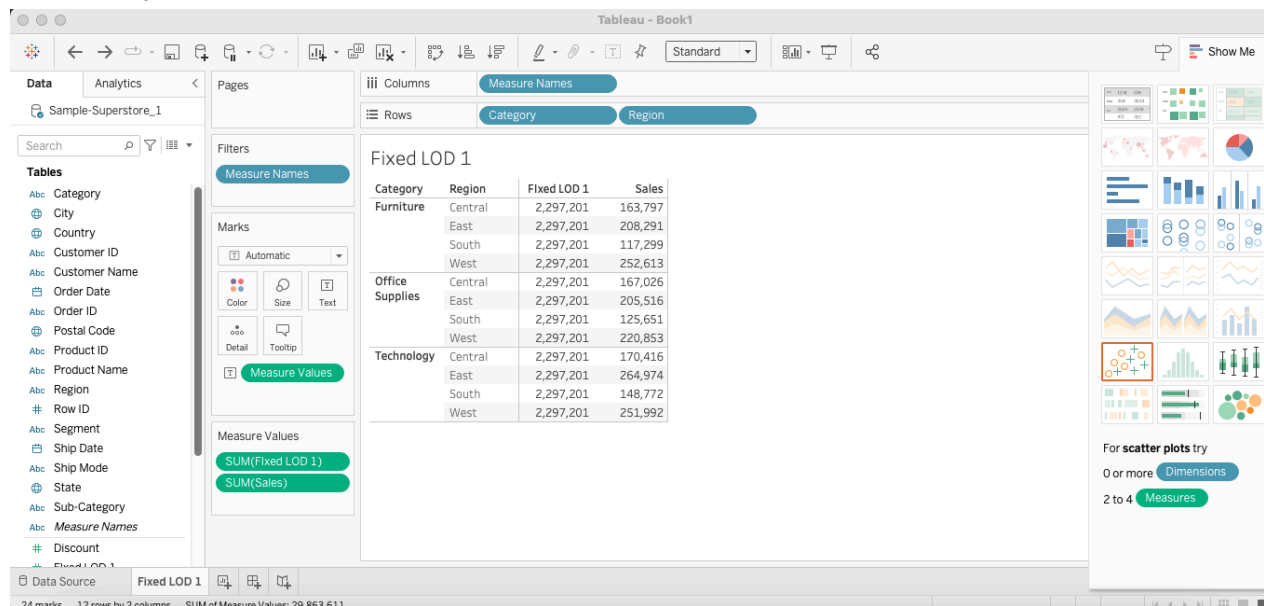
Where it represents the Region and category Vise sales in a Sub-Category.

In this Sub-Category there are many things like Appliances, Accessories, Chairs and so on.

These Sub-Category is again categorized by category like Technology, Office supplies, Furniture and Regions like Central, East, South, West.

This LOD expression shows the sales region and Category as well as Sub-Category.

Where the fixed sale value is 2,297,201 and it was obtained by sum of all sales.



### EXCLUDE LOD EXPRESSION

- As we see in above exclude LOD expression, the exclude values are based on the average profit.
- Here, the exclude LOO expression shows the exclude profit value in the Consumer, Corporate and HomeofficeSegments.
- This Segments are categorized into class using ship mode they are:
  - First Class
  - Second Class
  - Standard Class
- It shows the exclude sales based on the ship mode as well as Segments.

The screenshot shows the Tableau Desktop interface with a table view titled 'Exclude LOD1'. The table displays sales data categorized by Category, Sub-Category, and Excluded values, with columns for Excluded 1 and Sales.

Category	Sub-Catego..	Exclude 1	Sales
Furniture	Bookcases	742,000	114,880
	Chairs	742,000	328,449
	Furnishings	742,000	91,705
	Tables	742,000	206,966
Office Supplies	Appliances	719,047	107,532
	Art	719,047	27,119
	Binders	719,047	203,413
	Envelopes	719,047	16,476
	Fasteners	719,047	3,024
	Labels	719,047	12,486
	Paper	719,047	78,479
	Storage	719,047	223,844
	Supplies	719,047	46,674
Technology	Accessories	836,154	167,380
	Copiers	836,154	149,528
	Machines	836,154	189,239
	Phones	836,154	330,007

## FILLED MAP

6 Filled maps in Tableau are similar to symbol maps, but they include many more data points. While a symbol

*map draws a symbol at the intersection of each latitude and longitude pair.*

*Heatmaps show your data using a color gradient. Line maps show you data as lines or paths over a geographic area. Connection maps shows your data as pairs of points that are connected by a line or an arc.*

*The above filled map shows the united country and where mentioned the names of the states in this filled it was colored with different colors for different states in the filled map.*

*Summery of below*

*Count: 45*

*SUM(Sales)*

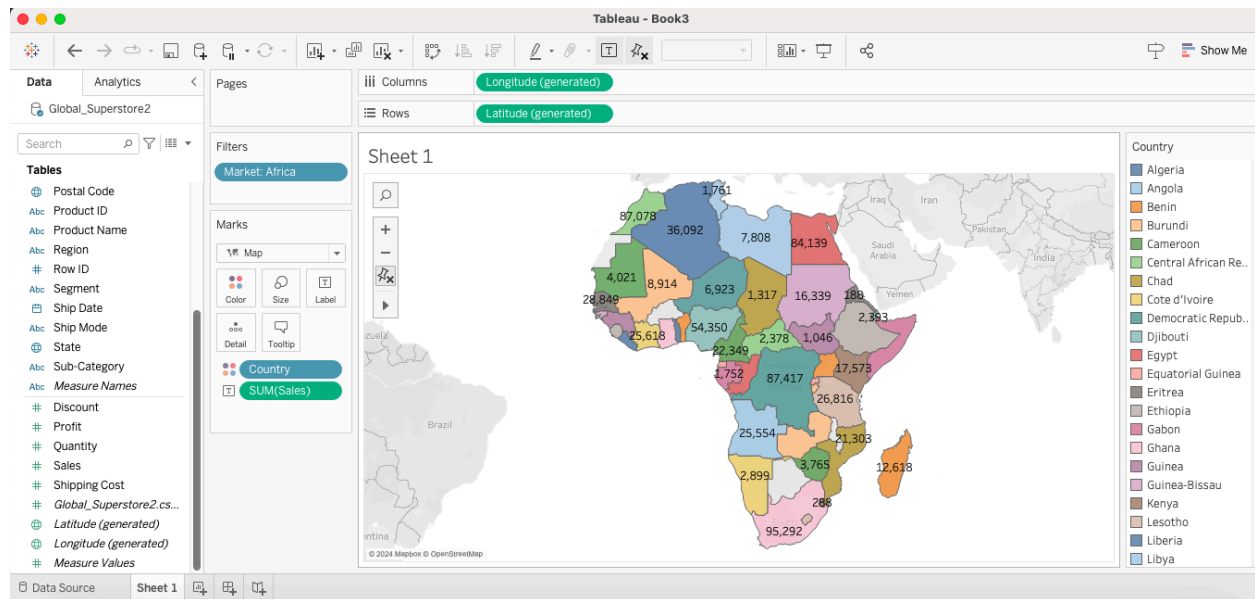
*Sum: 783,773*

*Average: 17,417*

*Minimum: 151*

*Maximum: 95,292*

*Median: 6,212*



## SYMBOL MAP

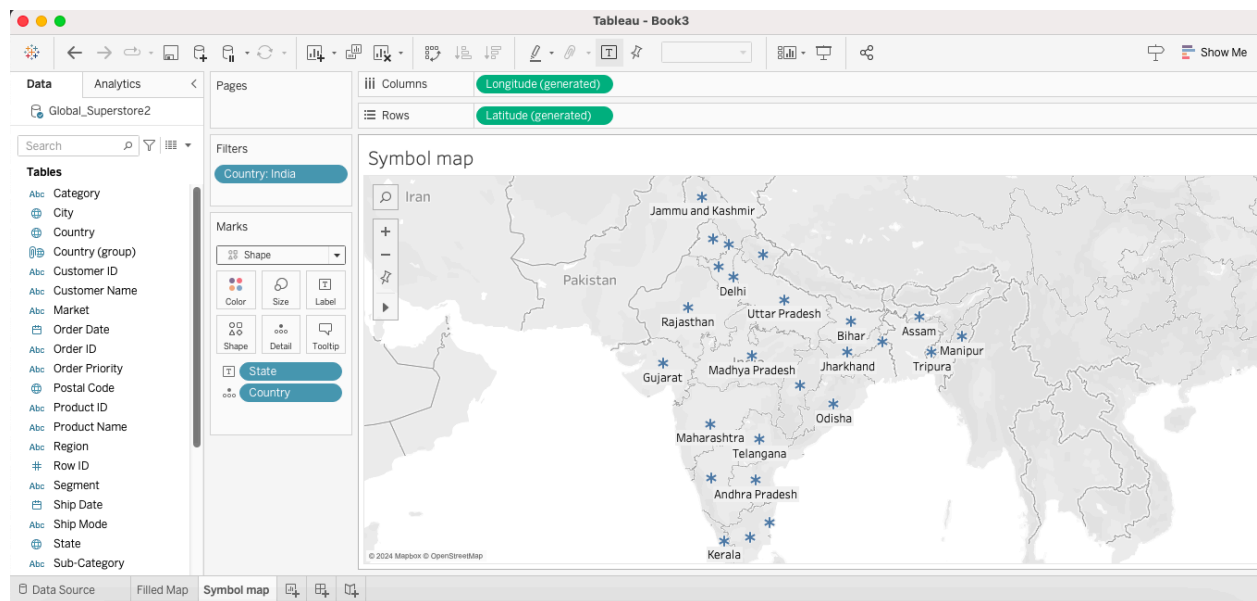
Symbol maps in Tableau are similar to Filled maps, but they include many more data points. While a symbol map draws a symbol at the intersection of each latitude and longitude pair.

Symbol maps show your data as shaded areas.

Heatmaps show your data using a color gradient. Line maps show you data as lines or paths over a geographic area. Connection maps shows your data as pairs of points that are connected by a line or an arc.

The above symbol map shows the united

country and where mentioned the names of the states in this symbol map, it was colored with different colors for different states in the symbol map.



## TOP N PARAMETER

The first step to showing the dimension members of the top N grouping everything else into one line is to create a parameter for the top N.

This will eventually allow the end user to choose how many individual dimension members to show (i.e. top 3, top 6, top 9 and so on).

Min this visualization, I give the top 3 parameters according to the sub-category dataset column. Right click on the field sub-category and go on to the tab named top. Here, choose the second radio option Top 9 by sum of profit.

