DATA ANALYTICS WITH TABLEAU

ASSIGINMENT – 4

S. Sri Lakshmi Prasanna
sslprasanna840@gmail.com
VNITSW
4th B.Tech (CSE)
21NN5A0508

TASKS:

- Task 1: Create one fixed and one exclude LOD expression.

LOD Expression:-

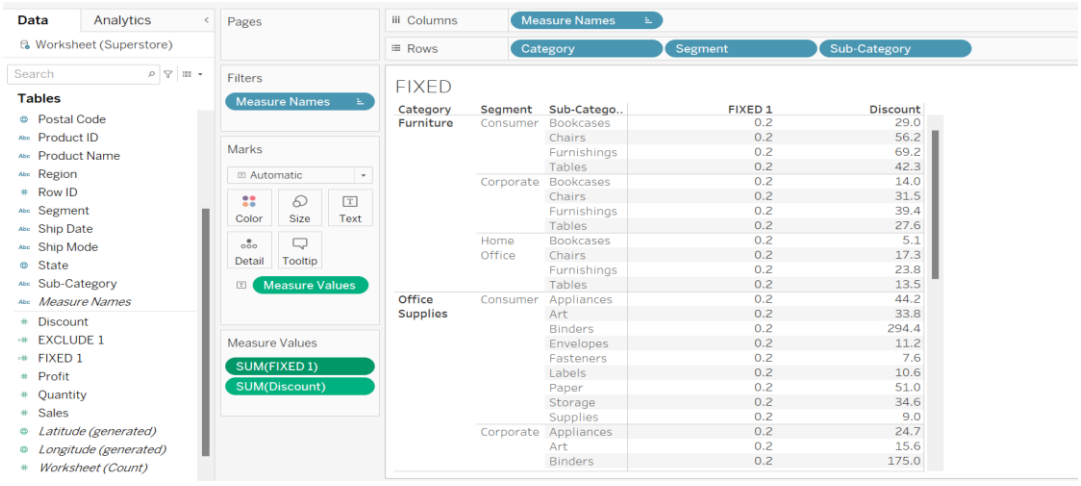
Level of Detail (LOD) expressions are used to run complex queries involving many dimensions at the data source level instead of bringing all the data to Tableau interface.

There are three types LOD functions:-

1) Fixed
2) Include
3) Exclude

FIXED:

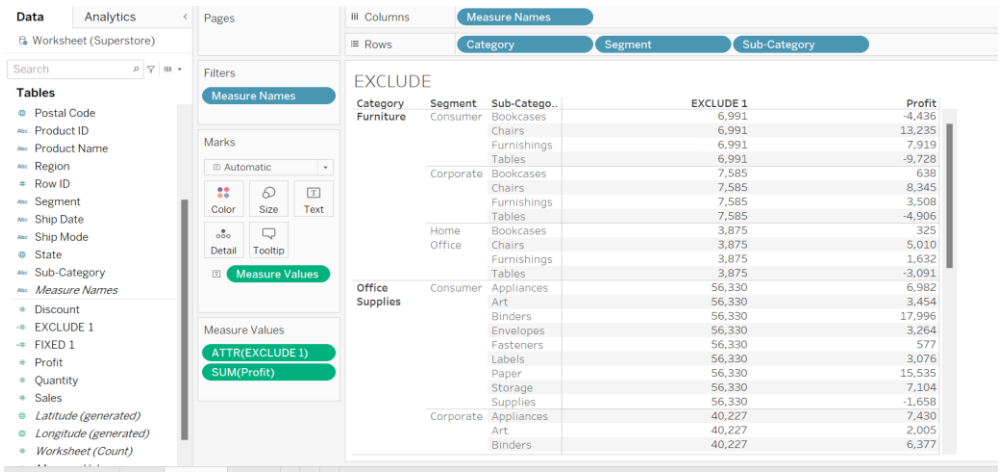
Compute a value using a fixed level of granularity, regardless of the dimensions in your view.



Category	Segment	Sub-Catego..	FIXED 1	Discount
Furniture	Consumer	Bookcases	0.2	29.0
		Chairs	0.2	56.2
		Furnishings	0.2	69.2
		Tables	0.2	42.3
	Corporate	Bookcases	0.2	14.0
		Chairs	0.2	31.5
		Furnishings	0.2	39.4
		Tables	0.2	27.6
	Home Office	Bookcases	0.2	5.1
		Chairs	0.2	17.3
		Furnishings	0.2	23.8
		Tables	0.2	13.5
Office Supplies	Consumer	Appliances	0.2	44.2
		Art	0.2	33.8
		Binders	0.2	294.4
		Envelopes	0.2	11.2
		Fasteners	0.2	7.6
		Labels	0.2	10.6
		Paper	0.2	51.0
		Storage	0.2	34.6
		Supplies	0.2	9.0
	Corporate	Appliances	0.2	24.7
		Art	0.2	15.6
		Binders	0.2	175.0

EXCLUDE:

Compute a value at a specific level of detail, excluding certain dimensions while including others.

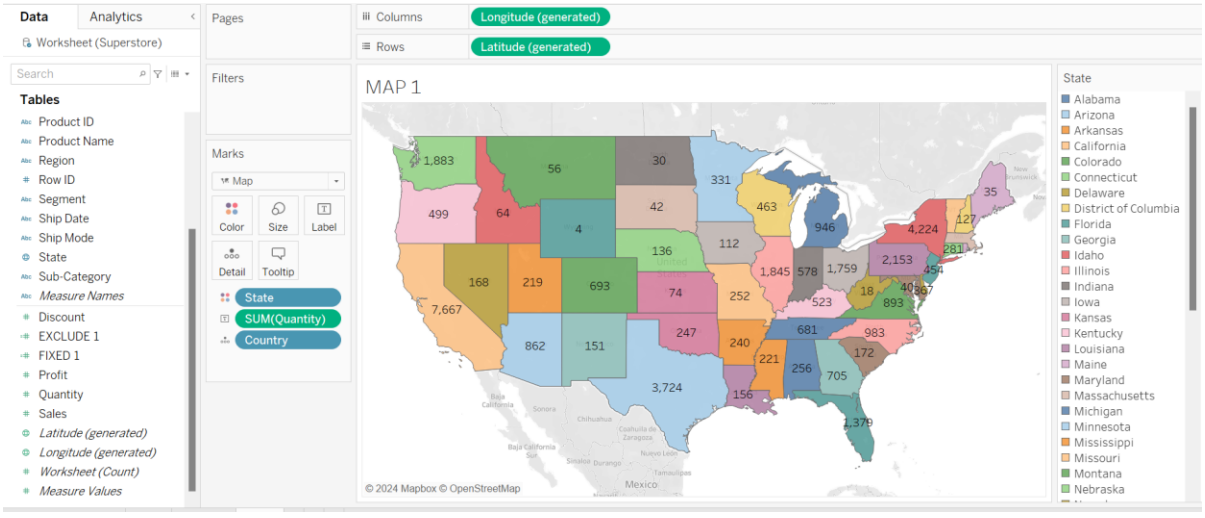


- Task 2: Create any 2 map visualizations using geographical data.

Map is a great way to visualize geographic data. Maps are visual representations of geographic data that allow you to plot and analyze data points based on their geographical locations.

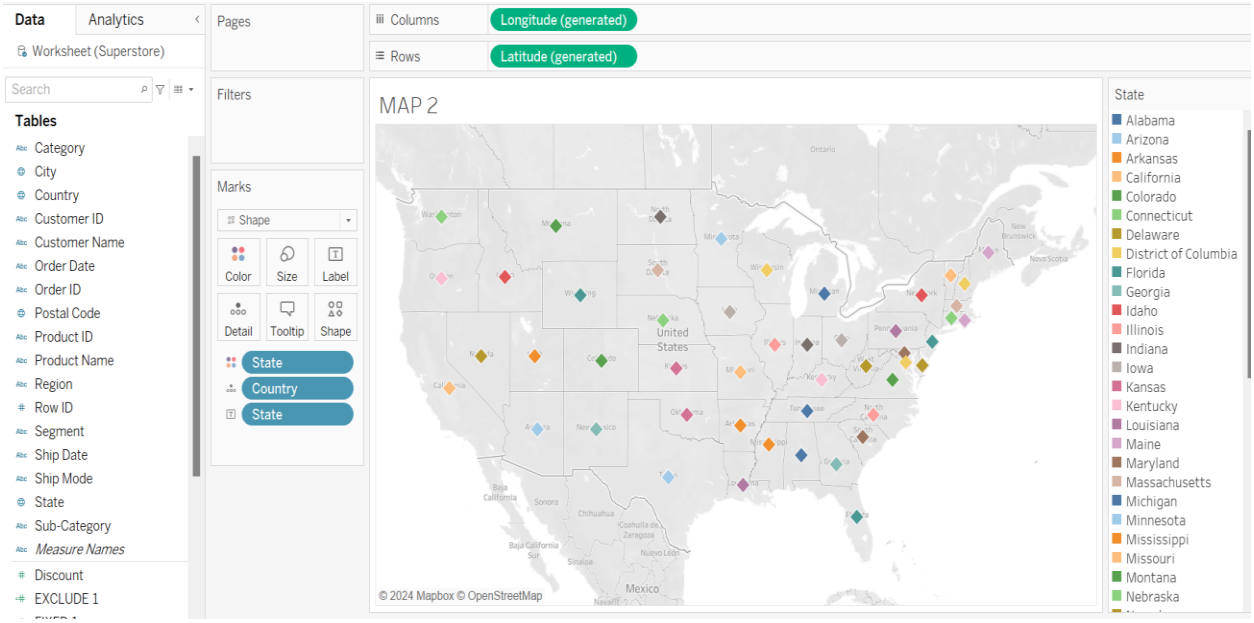
MAP 1:

It represents the sum of quantity of every state in the country (UNITED STATES).



MAP 2:

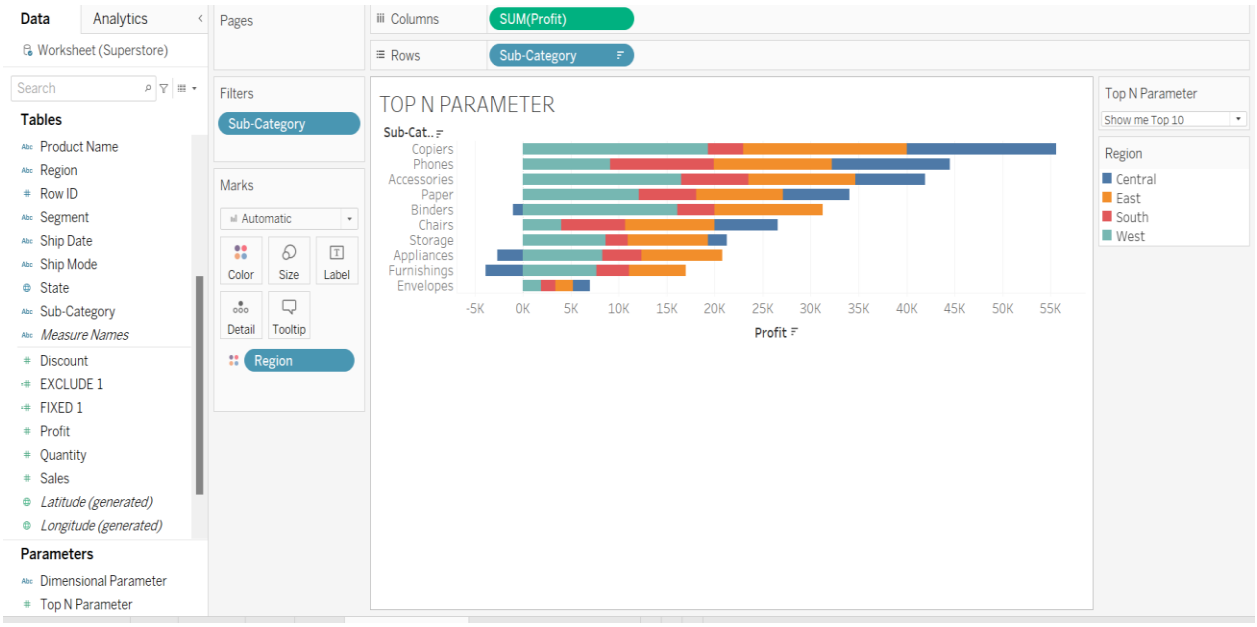
It shows each state with different colours with one symbol.



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

TOP N PARAMETER:

It allows users to filter and display a certain percentage of their data.



DIMENSIONAL PARAMETER:

It allows you to identify dimensions in a geometry project and assign a variable to the dimension.