

DATA ANALYTICS WITH TABLEAU

ASSIGNMENT – 4

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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
	Corporate	Tables	0.2	42.3
		Bookcases	0.2	14.0
		Chairs	0.2	31.5
	Home Office	Furnishings	0.2	39.4
		Tables	0.2	27.6
		Bookcases	0.2	5.1
Office Supplies	Consumer	Chairs	0.2	17.3
		Furnishings	0.2	23.8
		Tables	0.2	13.5
	Appliances	Appliances	0.2	44.2
		Art	0.2	33.8
		Binders	0.2	294.4
Corporate	Supplies	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

EXCLUDE:

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

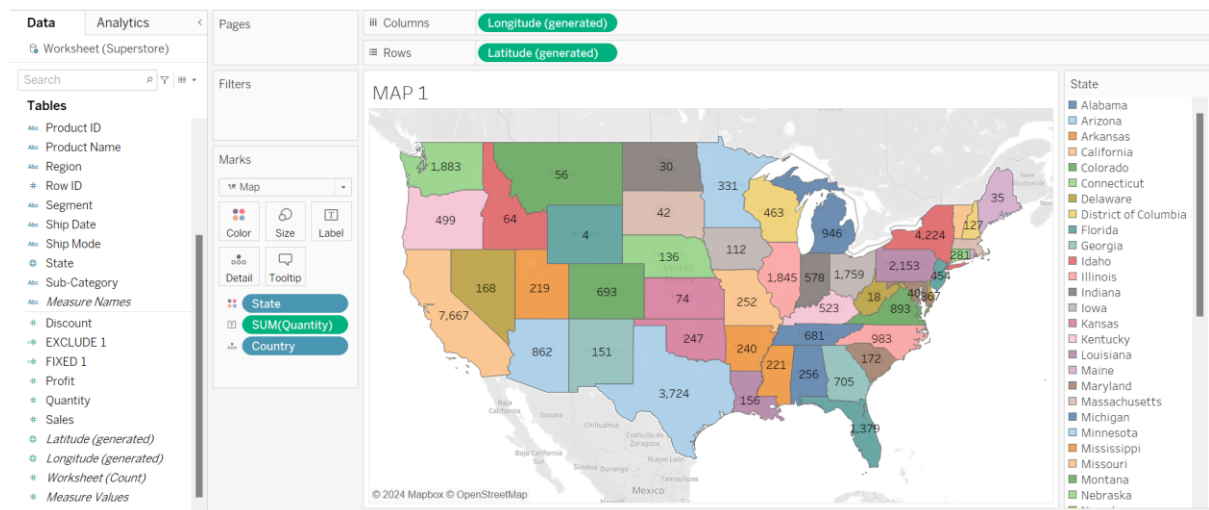
Category	Segment	Sub-Category	EXCLUDE 1	Profit
Furniture	Consumer	Bookcases	6,991	-4,436
		Chairs	6,991	13,235
		Furnishings	6,991	7,919
	Corporate	Tables	6,991	-9,728
		Bookcases	7,585	638
		Chairs	7,585	8,345
Office Supplies	Home	Furnishings	7,585	3,508
		Tables	7,585	-4,906
		Bookcases	3,875	325
	Office	Chairs	3,875	5,010
		Furnishings	3,875	1,632
		Tables	3,875	-3,091
Corporate	Consumer	Appliances	56,330	6,982
		Art	56,330	3,454
		Binders	56,330	17,996
		Envelopes	56,330	3,264
		Fasteners	56,330	577
		Labels	56,330	3,076
	Office	Paper	56,330	15,535
		Storage	56,330	7,104
		Supplies	56,330	-1,658
		Appliances	40,227	7,430
		Art	40,227	2,005
		Binders	40,227	6,377

- 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.

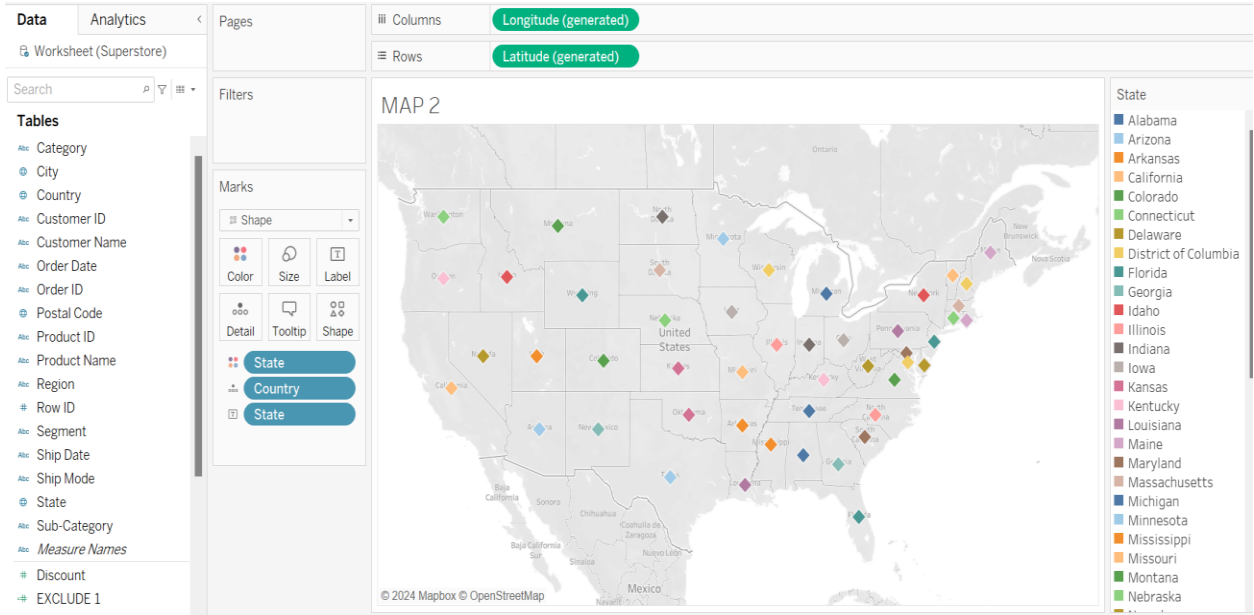
MAP 1:

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



MAP 2:

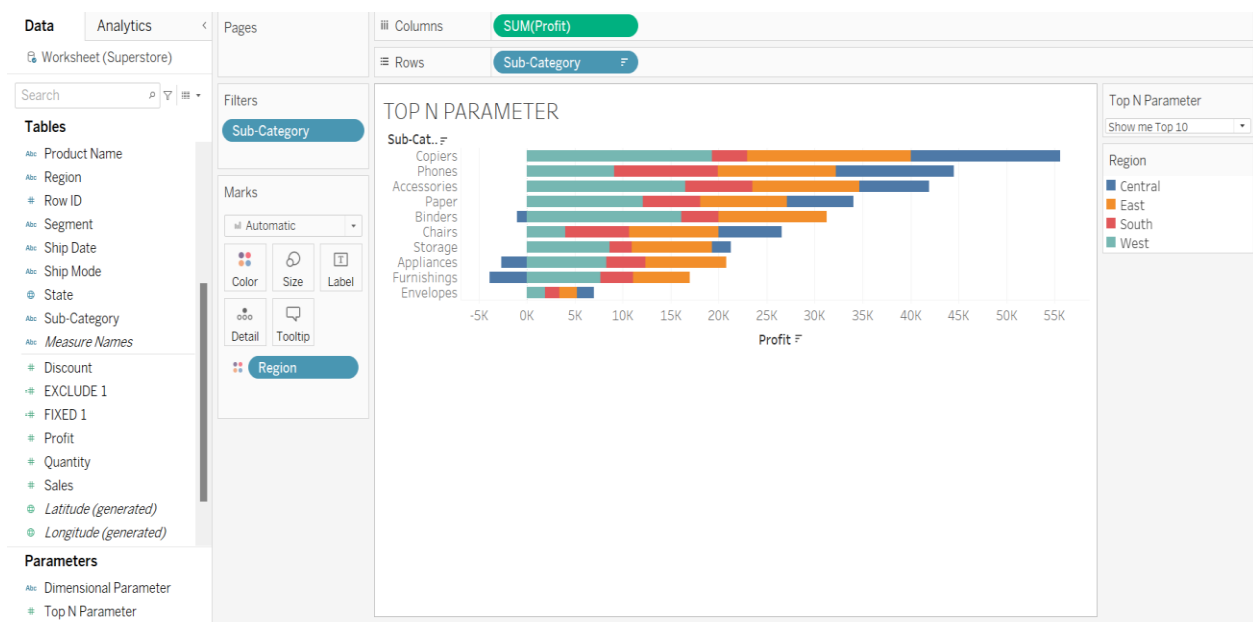
It shows each state with different colours with one symbol.



- 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.

