

Task1

FIXED LOD

- **Fixed lod computes aggregation using specified level of granularity regardless of dimension.**
- **For fixed lod I have created a calculation field**
- **I have taken category, sub-category, region in columns**
- **In the following fixed lod sum[sales] is fixed it doesn't changed even I have taken three dimensions.**
- **Dragged measure values to text and removed unwanted fields, taken fixed and sales field**
- **Dragged measure names to columns for measure names in table**

Pages

Measure Names

Category

Sub-Category

Region

Filters

Measure Names

Mars

Automatic ▼

Color Size Text

Detail
Tooltip

T Measure Values

Measure Values

SUM(FIXED)

SUM(Sales)

FIXED LOD

Category	Sub-Catego..	Region	FIXED	Sales
Furniture	Bookcases	Central	2,297,201	24,157
		East	2,297,201	43,819
		South	2,297,201	10,899
		West	2,297,201	36,004
	Chairs	Central	2,297,201	85,231
		East	2,297,201	96,261
		South	2,297,201	45,176
		West	2,297,201	101,781
	Furnishings	Central	2,297,201	15,254
		East	2,297,201	29,071
		South	2,297,201	17,307
		West	2,297,201	30,073
	Tables	Central	2,297,201	39,155
		East	2,297,201	39,140
		South	2,297,201	43,916
		West	2,297,201	84,755
Office Supplies	Appliances	Central	2,297,201	23,582
		East	2,297,201	34,188
		South	2,297,201	19,525
		West	2,297,201	30,236
	Art	Central	2,297,201	5,765
		East	2,297,201	7,486
		South	2,297,201	4,656
		West	2,297,201	9,212
	Binders	Central	2,297,201	56,923
		East	2,297,201	53,498
		South	2,297,201	37,030
		West	2,297,201	55,961

FIXED LOD



136 marks 68 rows by 2 columns SUM of Measure Values: 158,506,859

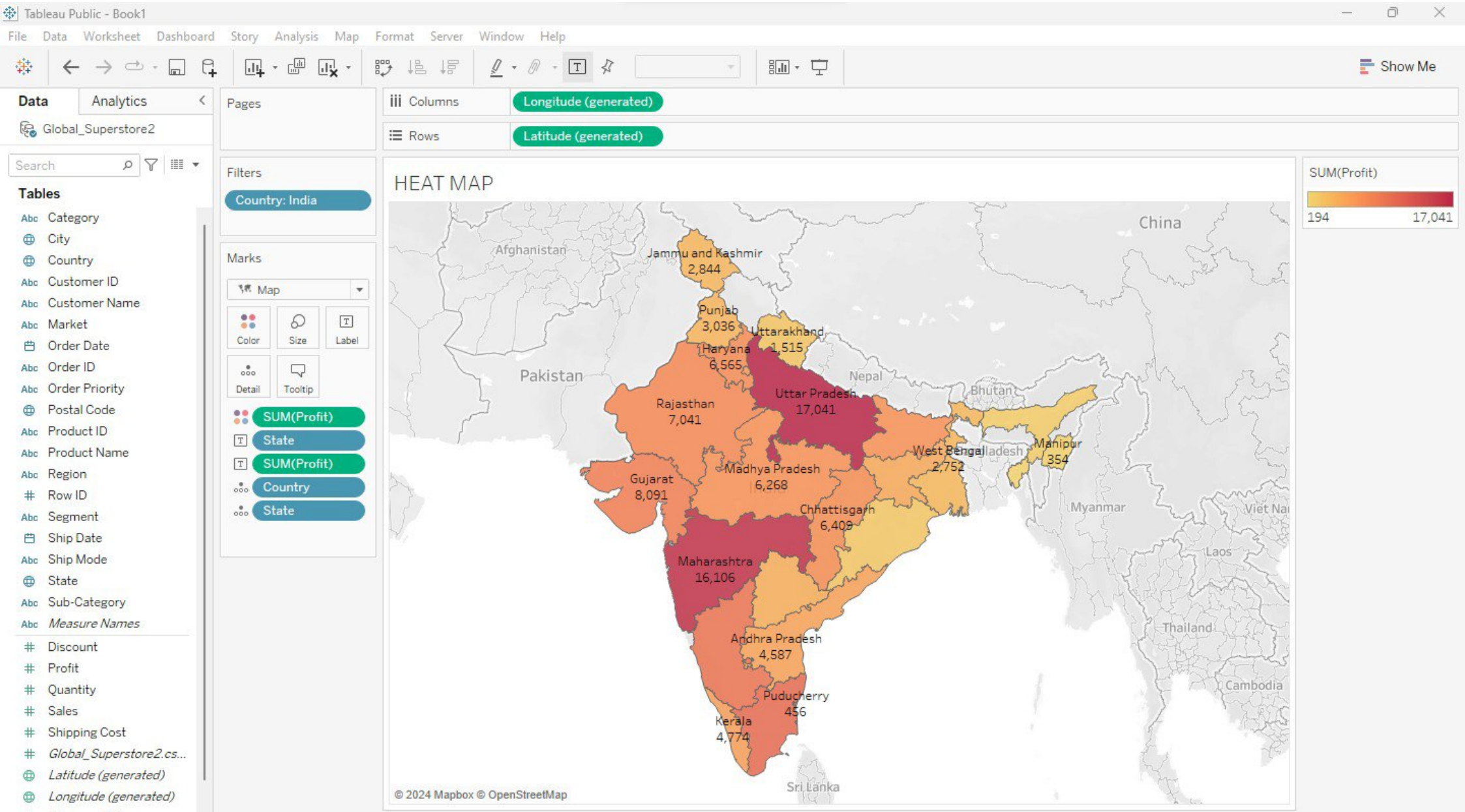
EXCLUDE LOD

- Exclude lod computes aggregation at specified level exclude the dimension of view
- We use exclude lod when we want to exclude any field. Here I have excluded category, the table shows sum of sales regarding to region.
- In this exclude lod I have shown sum of sales according to each region and excluding category even the category is in table
- I have taken category and region in rows, measure names in columns
- Dragged measure values on text removed unwanted field kept exclude field and sales field
- We use exclude lod for excluding any field even that field present in table.

_____Task 2

HEAT MAP

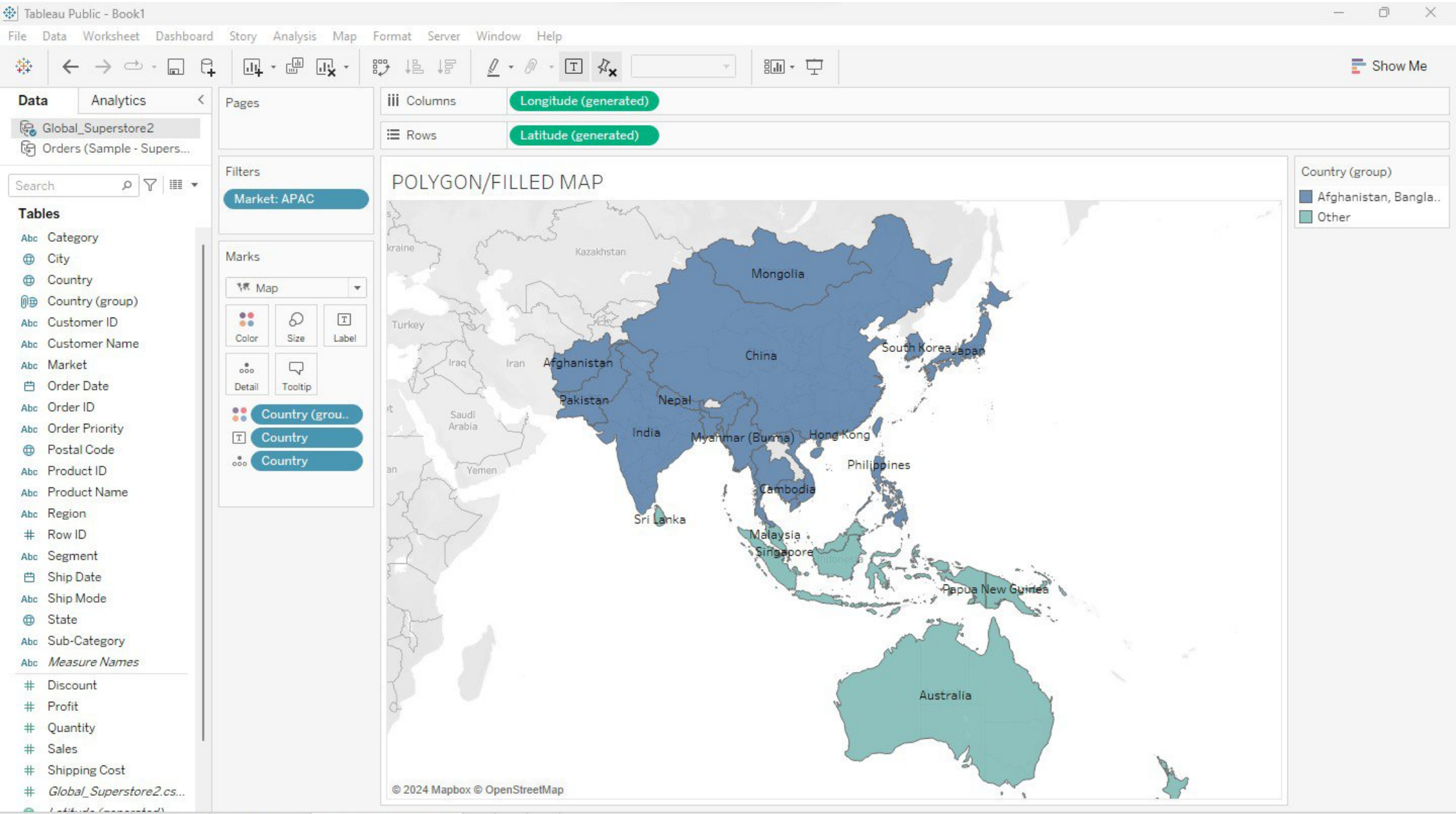
- I have created following heat map which shows profit visually of India
- As in heat map we see color shade difference, here Uttar Pradesh has more profits than others so it is of darker shade of color
- By this heat map we can see and understand the higher and lower profits even if I don't label them, by seeing color difference among them
- Taken country in filters and selected India as I want to see profits of India
- Dragged profit to label for labelling and colors to show colors in visualization
- We can understand heat map very easily by looking also, so I selected this map



Task 2

POLYGON/FILLED MAP

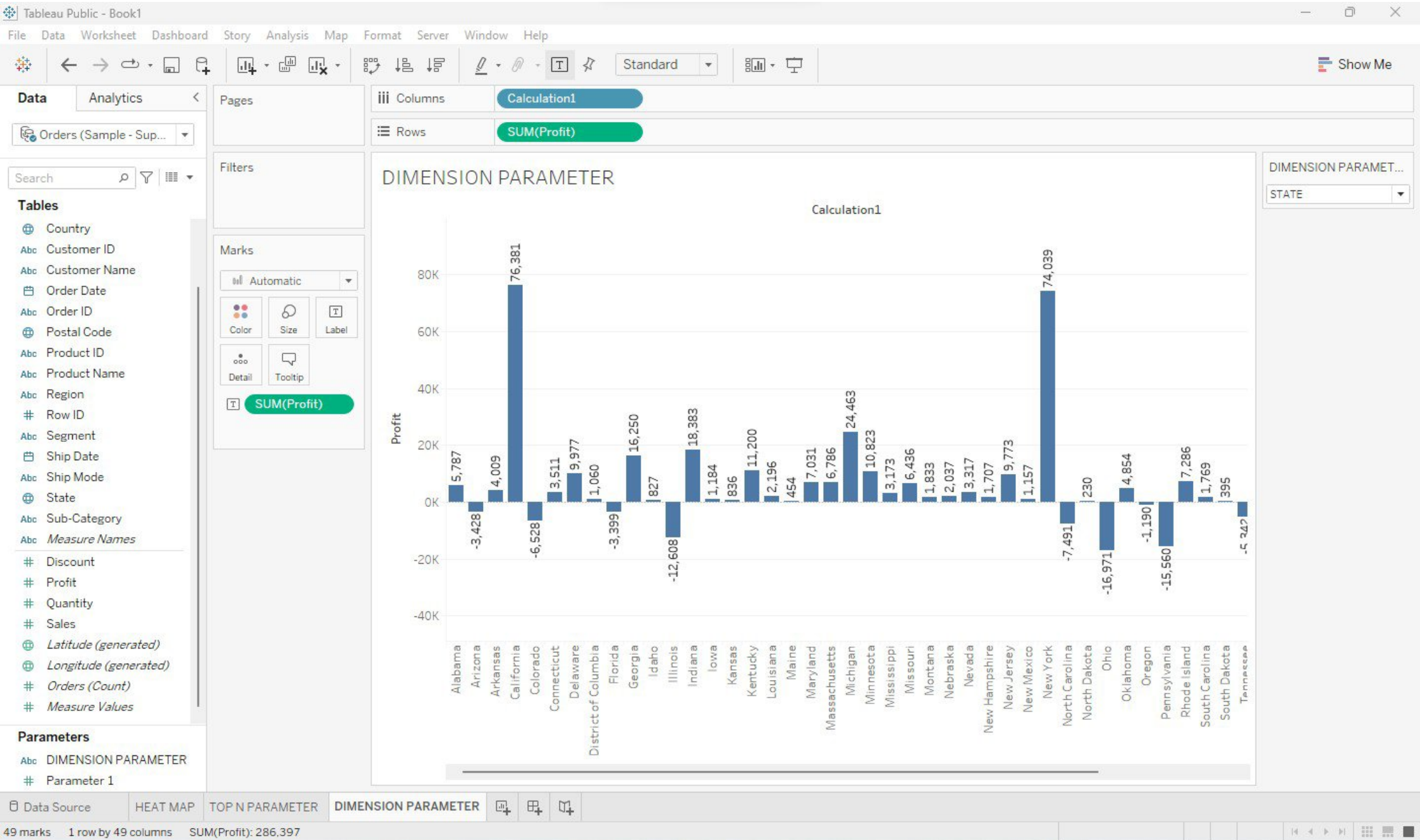
- By maps we can present our data more visually and efficiently.
- For this I have used global superstore data set because we need market field for this map
- I have labelled countries by dragging country to label
- I have selected upper countries and grouped them, same for lower countries
- Dragged countries to color in marks for colors in visualization
- I have two groups for this map showing two different colors.
- I have also used show me feature in this to obtain certain visualization.



TASK 3

DIMENSION PARAMETER

- As the parameters helps to customize the worksheets, data and it is similar to filter
- We can apply same parameter in different sheets. This is main advantage of parameter
- I have created two dimension parameters used same parameter which saved time
- First I have created a parameter for country, state and city
- Created a calculation field as when I select country it should visualize country profit for 1st dimension parameter visualization and sales for 2nd dimension visualization
- Clicked on show parameter for applying parameter
- In both dimension parameter visualization I have used same parameter created
- Dragged the created calculation field in columns and profit for 1st dimension parameter visualization and sales for 2nd dimension parameter visualization in rows
- I have also labelled sales and profits.



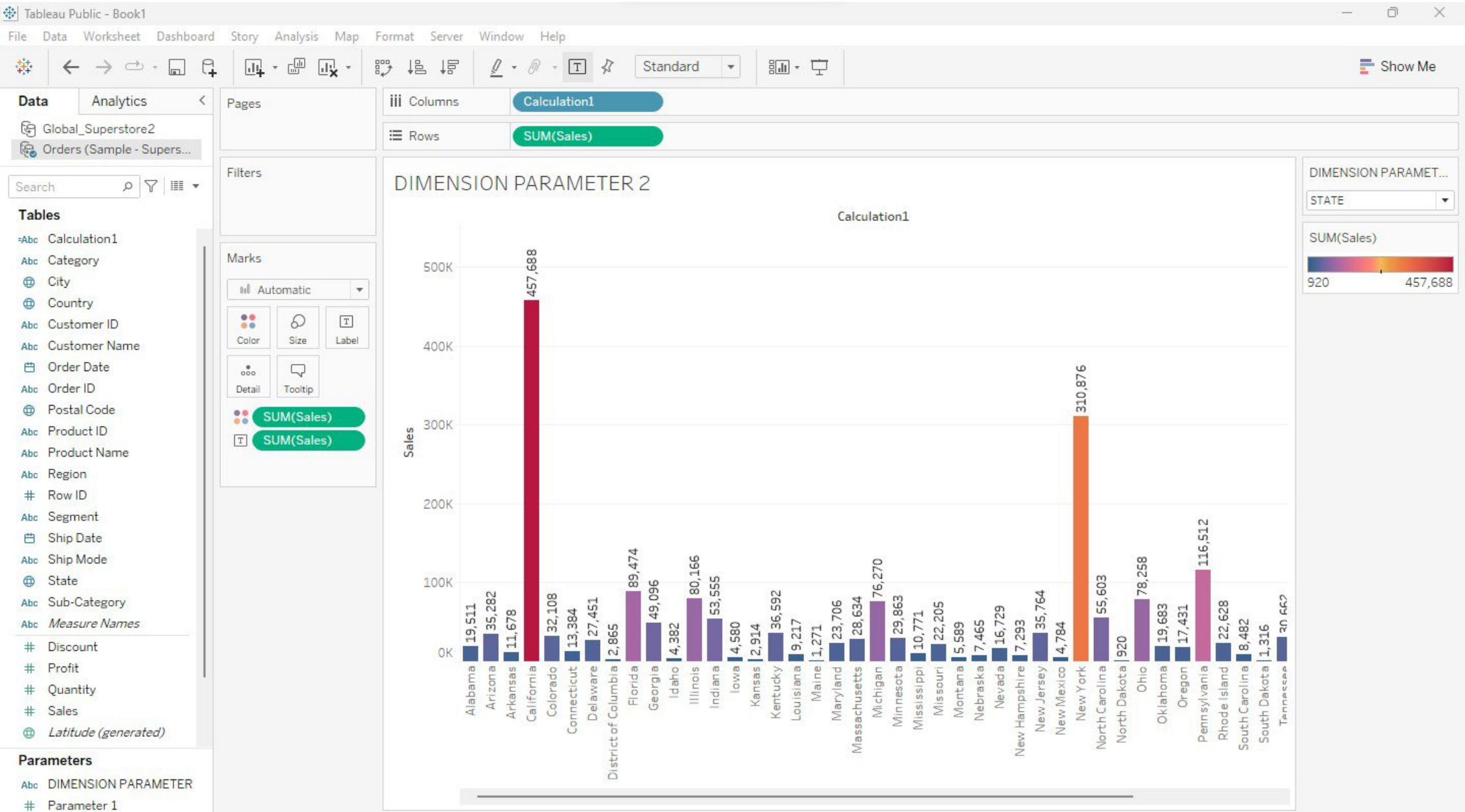
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TASK 3

TOP N PARAMETER

- As the parameters helps to customize the worksheets, data and it is similar to filter
- We can apply same parameter in different sheets. This is main advantage of parameter
- In the following two visualizations of top n parameter I have used same parameter which saved time.
- In the first top n parameter I have created parameter of top 3,5,7 profits for sub-category
- Selected created parameter in filter->top after dragging sub-category to filter
- Dragged profit to colors in marks to show color difference according to profit.
- After clicking on show parameter in the right click of created parameter I have seen parameter working
- In the second top n parameter I have used same parameter but for sales. By this I have also seen parameter working in the two sheets.

