

TASK-1 : LOD EXPRESSION

FIXED LOD EXPRESSION:

- 1: This Expression is display the fixed values for our desired measures.
- 2: The syntax (expression) used to get the vale is **{FIXED [Dimension]:Aggregation}**
- 3: In this the dimension we insert the value of which we want to know .and at aggregation we use the measurement values.

Orders+ (Sample - Supermarket)

Search

Tables

- # Quantity
- # Sales
- # Orders (Count)

People

- Abc Person
- Abc Region (People)
- # People (Count)

Returns

- Abc Order ID (Returns)
- Abc Returned
- # Returns (Count)

Measure Names

- # exclude lod
- # fixed lod
- Latitude (generated)
- Longitude (generated)
- # Measure Values

Parameters

Filters

- Category
- Measure Names

Marks

- Automatic
- Color
- Size
- Text
- Detail
- Tooltip
- Measure Values

Measure Values

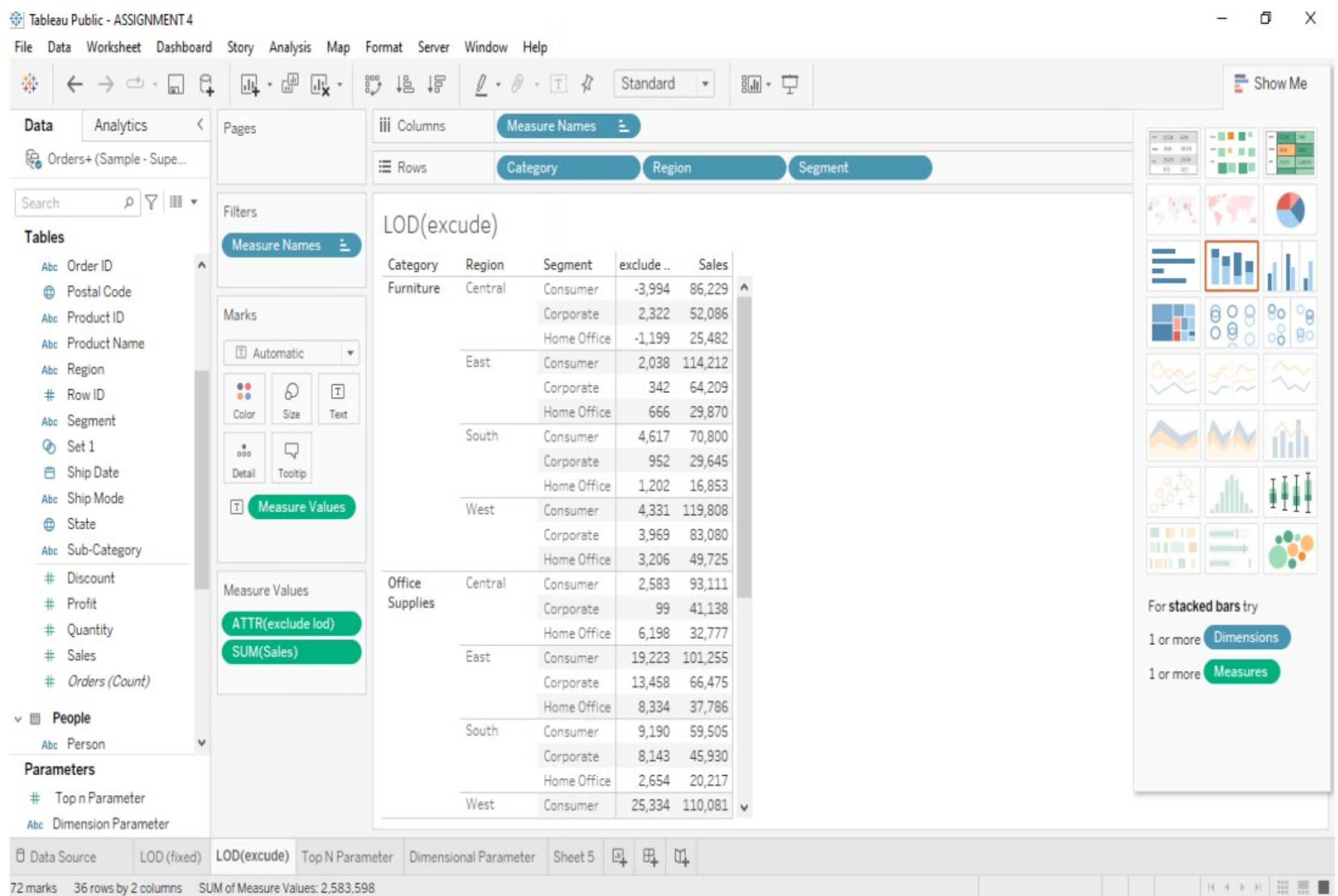
- SUM(Quantity)
- SUM(fixed lod)

LOD (fixed)

Category	Region	Quantity	fixed lod
Furniture	Central	1,827	37,873
	East	2,214	37,873
	South	1,291	37,873
	West	2,696	37,873
Office Supplies	Central	5,409	37,873
	East	6,462	37,873
	South	3,800	37,873
	West	7,235	37,873
Technology	Central	1,544	37,873
	East	1,942	37,873
	South	1,118	37,873
	West	2,335	37,873

EXCLUDE LOD EXPRESSION:

- 1: This expression used exclude the expression which is not required for calculation.
- 2: For this expression the syntac we use is **{EXCLUDE[Dimesnion]:Aggregation}**.
- 3: In this visualization we can see the total profit excluding the sub-category .



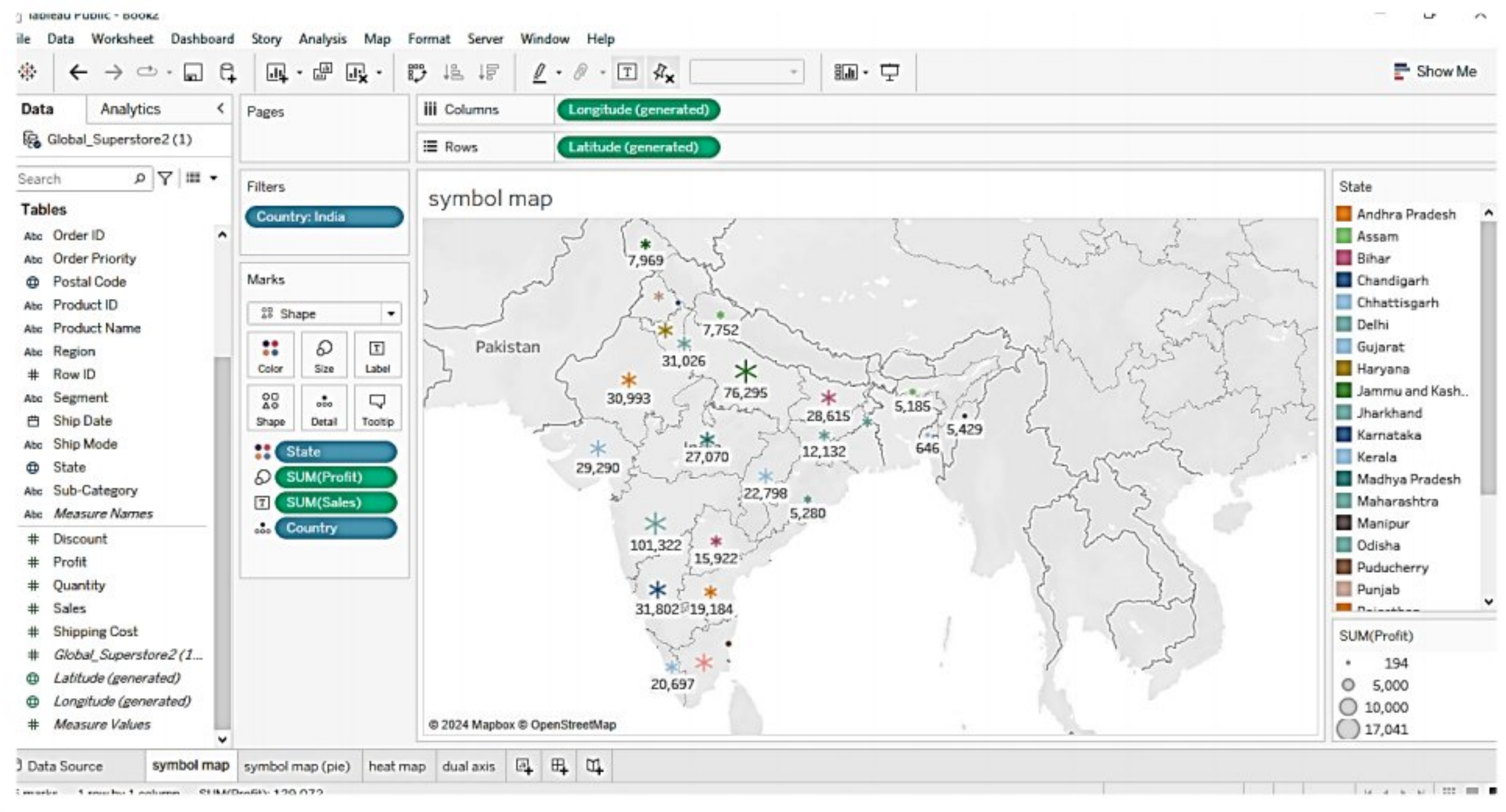
TASK -2: GEOMATRICAL MAP

This maps are mainly used to customise the desired measures in the way user want to display.

In this we use 2 visualization we use symbol map and dual axis map.

SYMBOL MAP:

1: In this visualization we can use various kinds of symbols ore pie chart to resemble the value tne user want to show.



2: The size of symbol expresses the growth of the amount in our desired measure .

3: In the above visualization I took profit as the measurement value. The size of the symbol explains the profit that getting from the particular state.

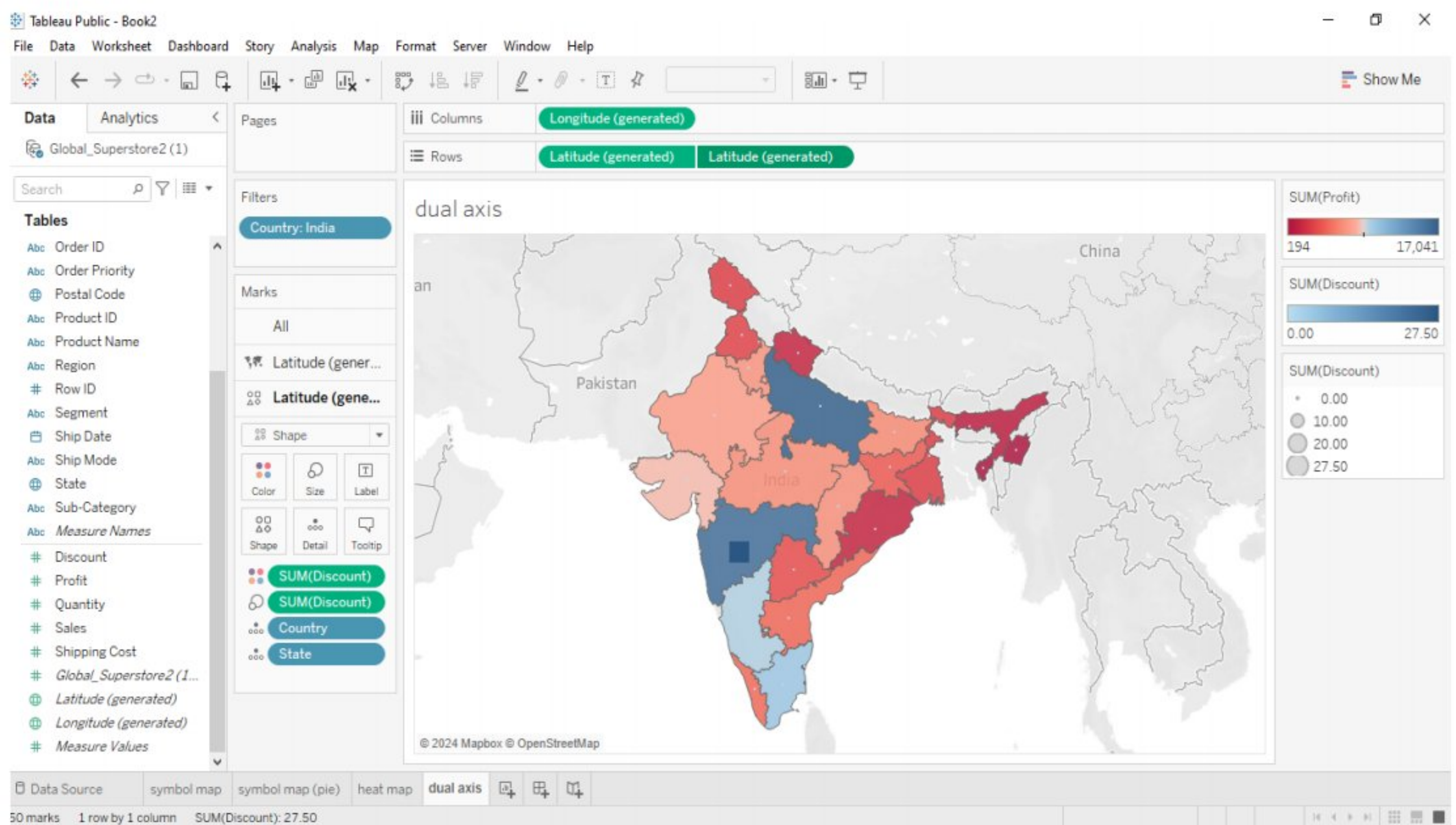
DUAL AXIS MAP:

This map allows multiple layers in single visualization and makes it possible to display multiple fields in one map.

1: In this visualization you take location attributes(country,state,region) in label column.

2: After giving the desired values in the rows and columns you go to dual axis and merge the both layer maps as a single map.

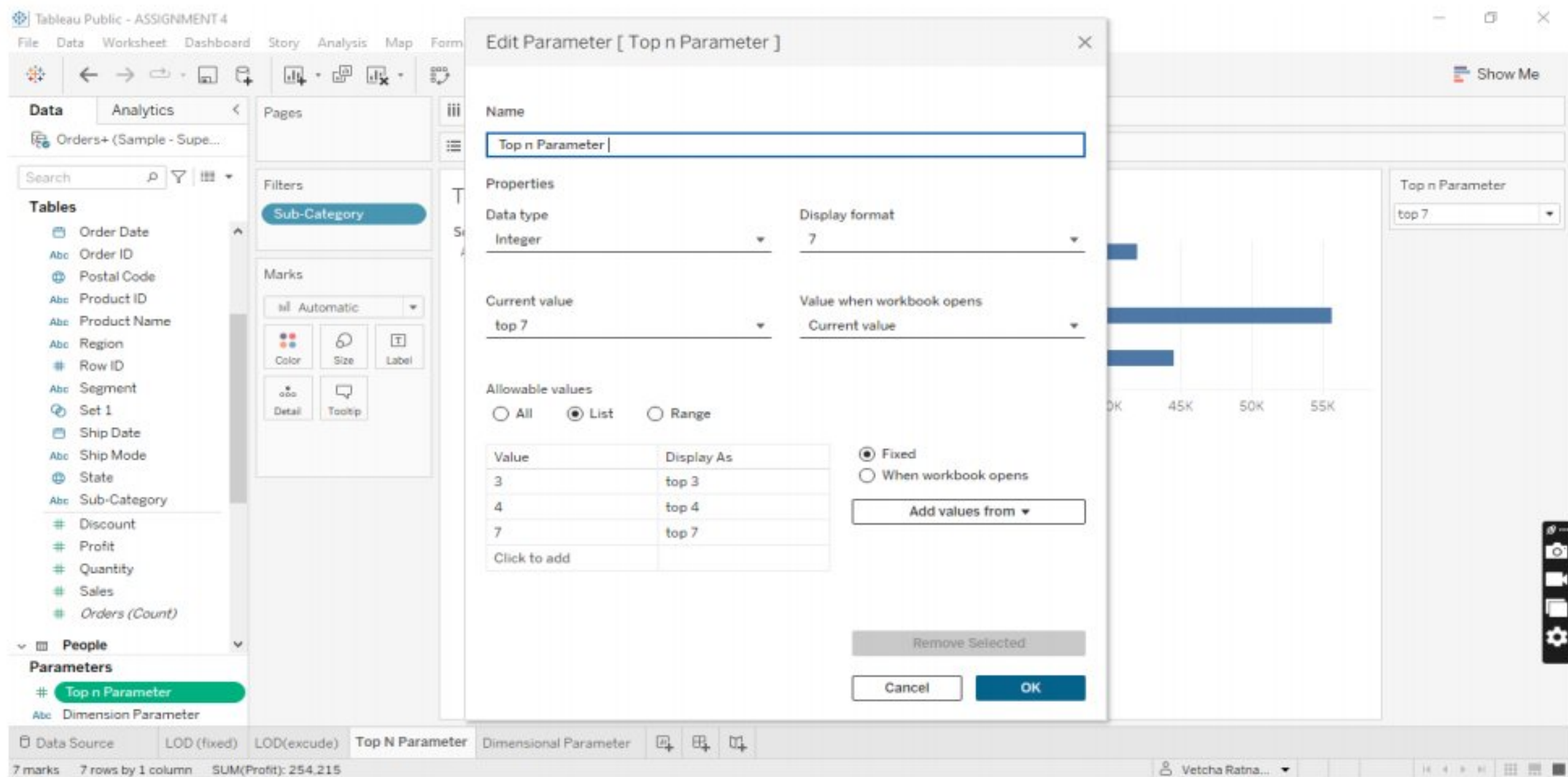
3: In this visualization I merge both heat map and symbol map.



TASK-3: PARAMETERS

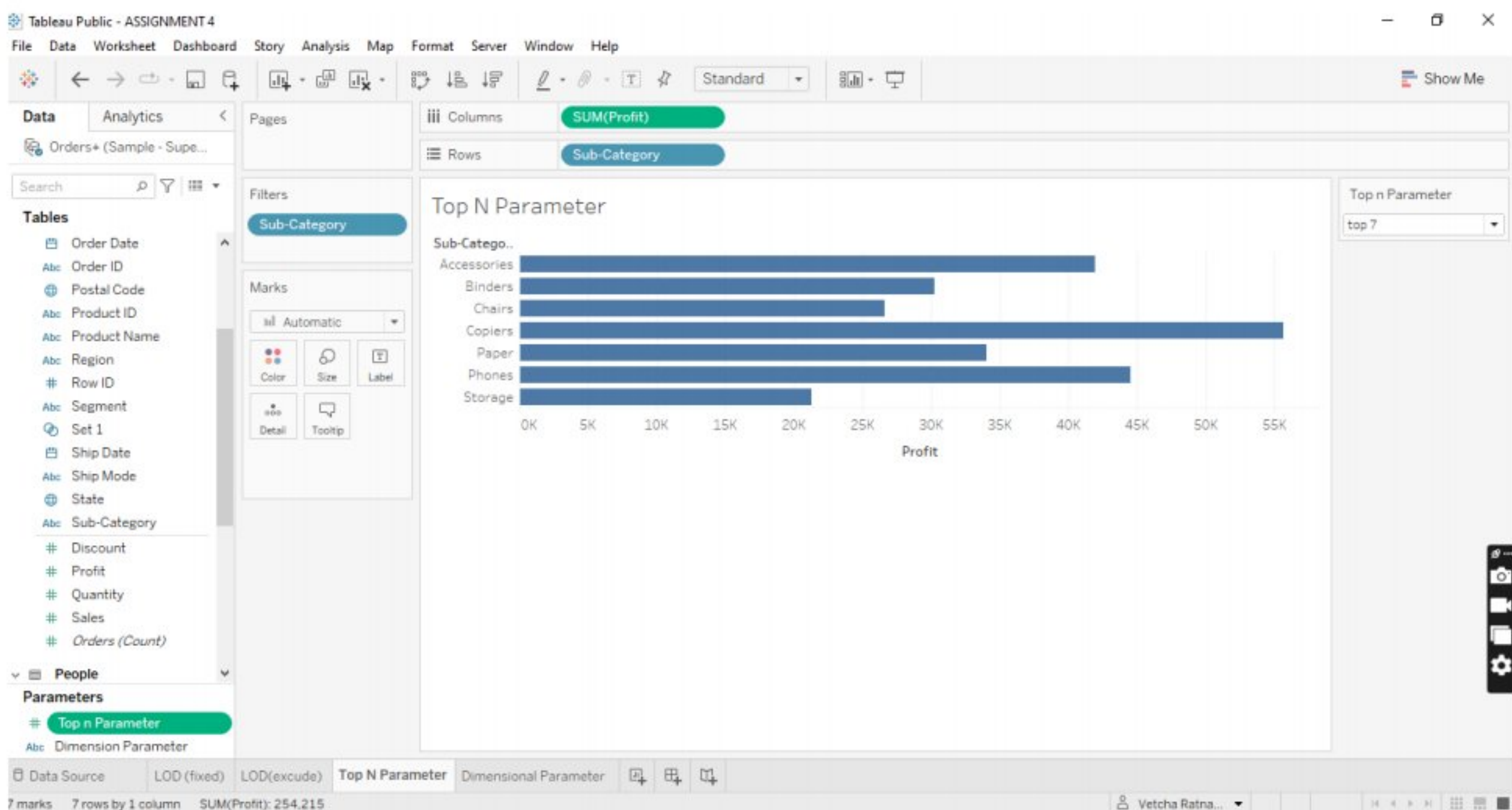
TOP N PARAMETER

- 1: This is used to show the top most values of the measured values.
- 2: We Create this parameter to know the top numbers we desired in one parameter.



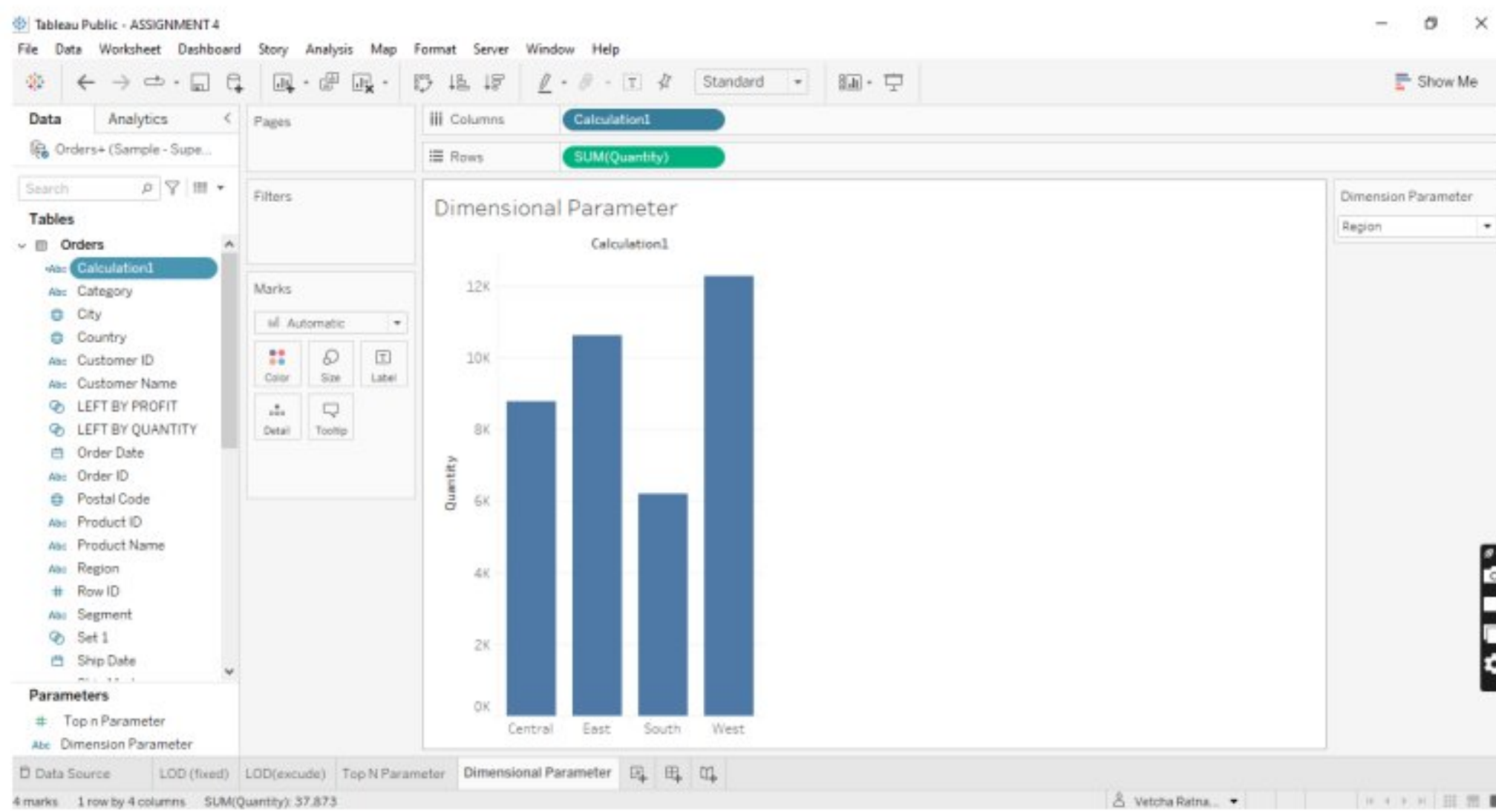
3 : By above parameter calculation we can create our desired top n parameters.

4: The end result we be like shown in below.



DIMENSIONAL PARAMETER:

This parameter helps to filter the dimension and gives the report of the required dimensions in the form of a visualization.



- The above Parameter is a dimension parameter.
- This dimension parameters I selected sub-category , category and region as dimensions.
- The final result is represented as a bar chart.