Athul Robert R B
20BCE1610
VIT CHENNAI
DATA ANALYTICS

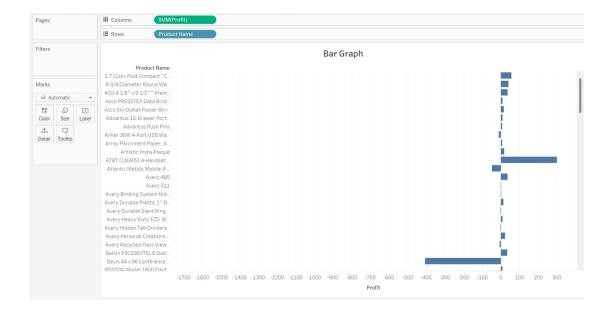
Link:

https://drive.google.com/drive/folders/10at Ugw3xECEGfUPA6dlseYmJqnM5R9AI?usp=sh are_link

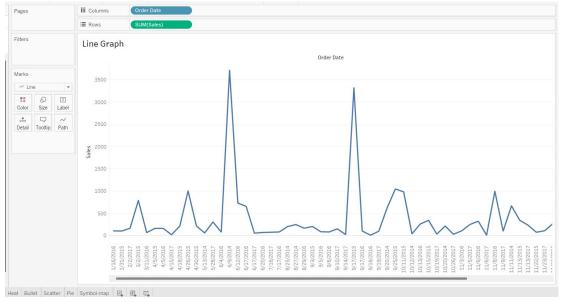
ASSIGNMENT-2

1.

Horizontal Bar Graph:



Line Graph:

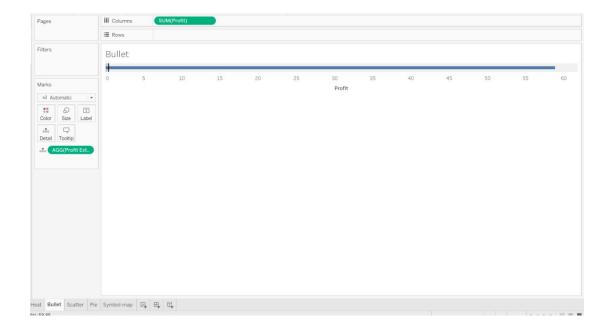


Heat Graph:



Bullet Graph:

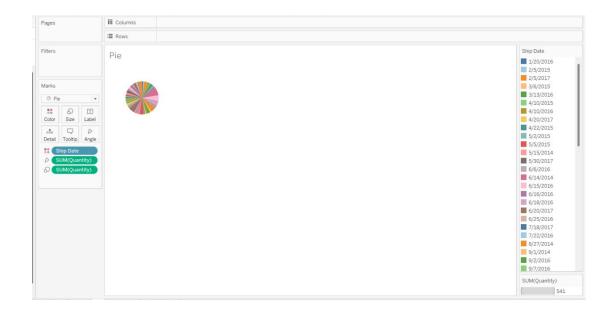




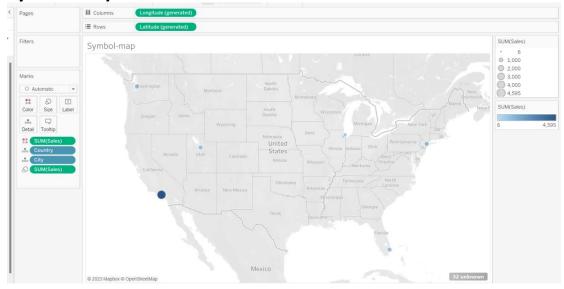
Scatter Graph:



Pie Chart:



Symbol map:



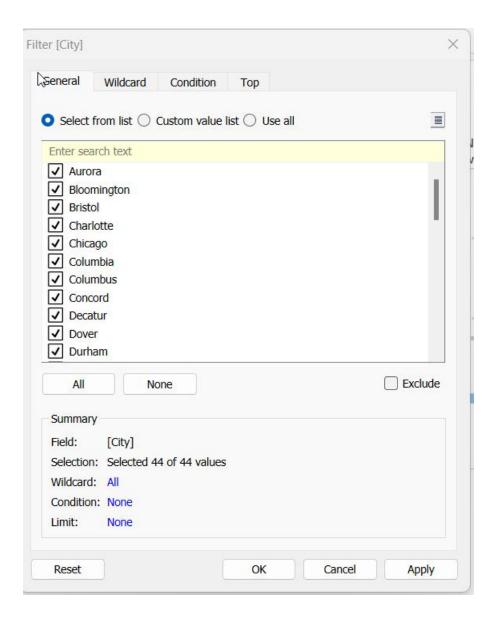
2. Apply dimension filter, context and measure filter on any of the three visualizations

Dimension Filter:

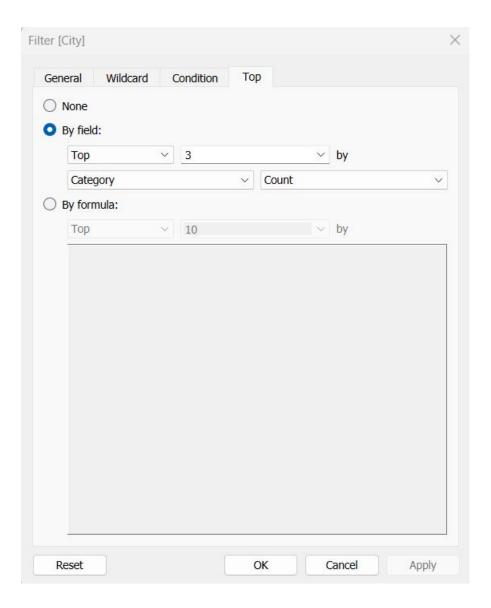
Let us take a heat graph that shows the city with the subcateogry.



Open the filter tab of city and check and uncheck the necessay fields. Also there is a property named condition where we can set our custom rules.



Let us give the condition by formula such that the resultant should show the top 3 cities.



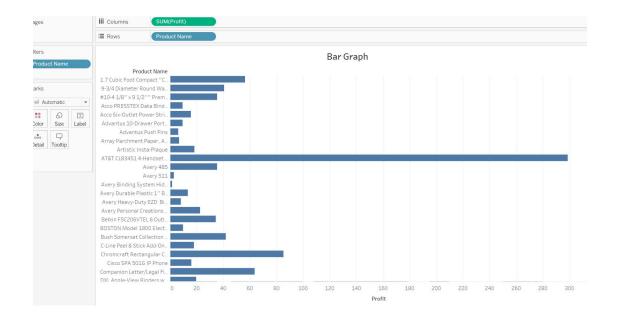
Now the resultant graph will be like this.....



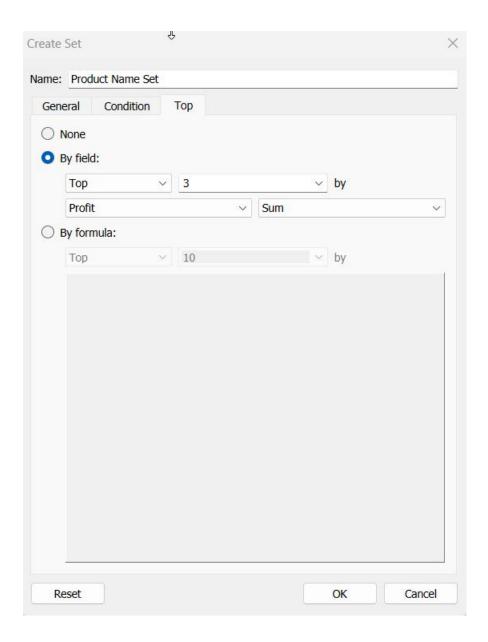
Context Filter:

Usually this filter make sure that the filter is applied first prior to the other filters applied.

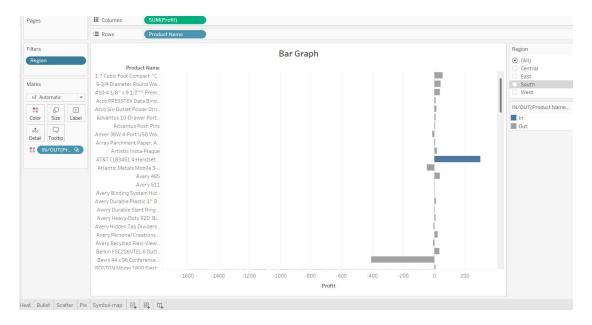
Let us consider the same horizontal bar chart example...

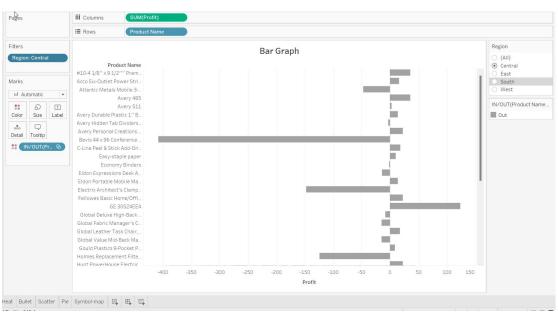


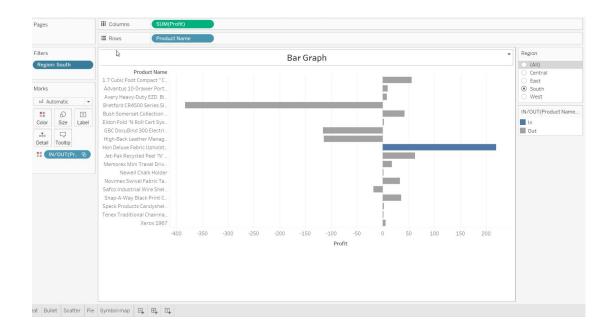
We can create a set to show the top three products name with different color according to the profit in a certain region..



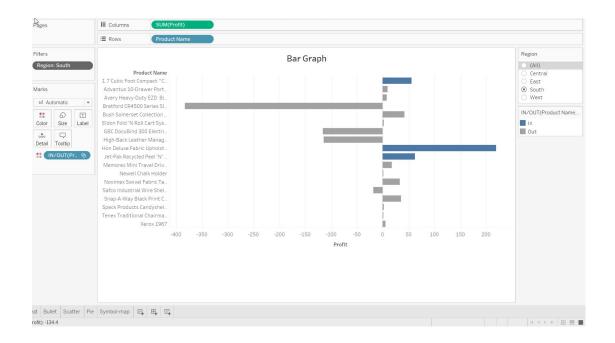
Now if we change the region, the filters do not apply correctly ie, it dosent shows the top three products in each regions.





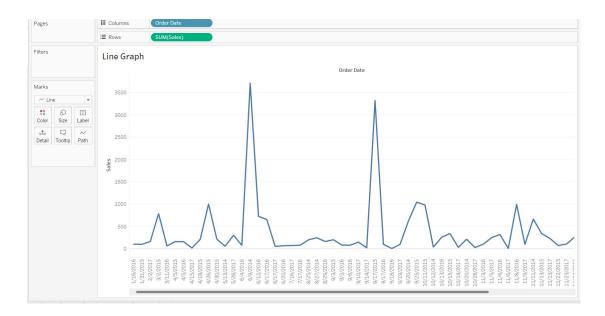


To encounter this issue we have to click on the filters and select "Add to context". This makes sure that the filters apply first prior to any other filters.

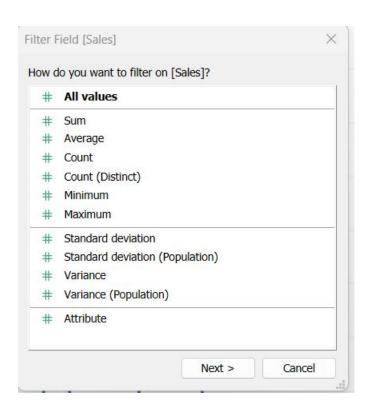


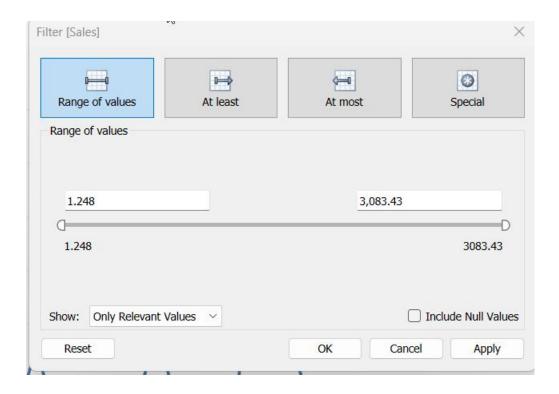
Measure Filter:

It gives us the range of measures to filter easily..



Drag sales to the filter area and select the range.

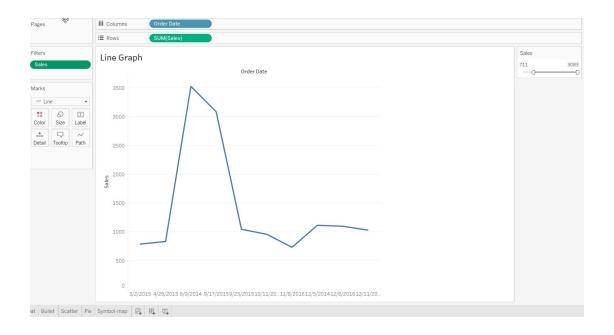




Then click on sales and click on show filters.



Now we can drag across the measure and check the line graph changes.



- 3. Perform the following data manipulations on your dataset
- create a Hierarchy
- create a set
- create a group

Create Hierarchy:

To create a hierarchy we need to click on the element and then we have to click on hierarchy -> create-> and then give it a name .In my case I have given the name as COUNTRY and then I have added country, city and state in it.



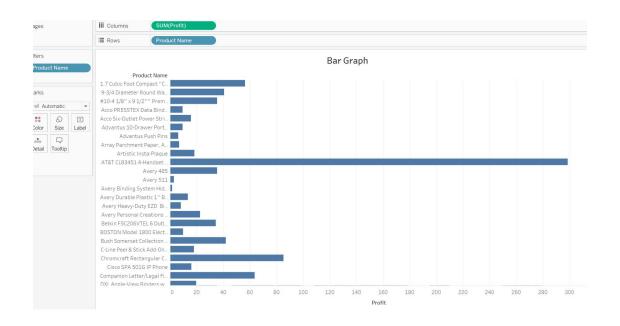
To show it in visuals I have added sales...



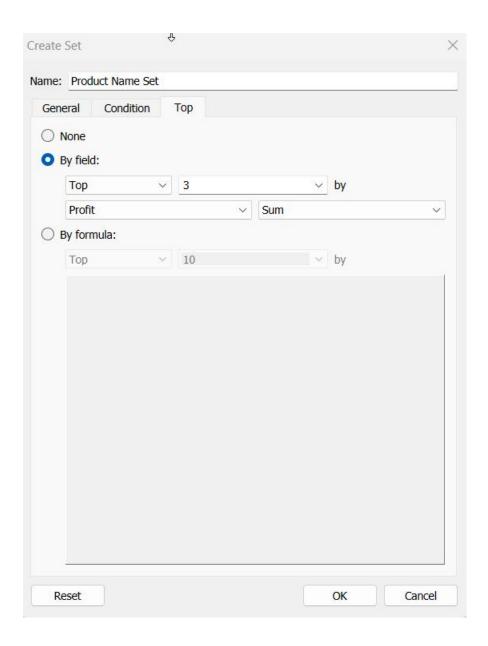
If we click the country option it will show a plus symbol .If we click on the plus symbol we can see the whole hierarchy.

hierarchy Country City United 341 Aurora States 618 Bloomington 158 Bristol Charlotte 105 606 Chicago 302 Columbia 359 Columbus Concord 16 225 Decatur 67 Dover 201 Durham 63 Eagan 980 Fort Lauderdale 71 Fort Worth 80 Fremont 1,281 Gilbert 994 Henderson 2,065 Houston 19 Jackson 4,595 Los Angeles Madison 666 96 Melbourne Memphis 1,002 Minneapolis 99 Naperville 147 New Albany 210

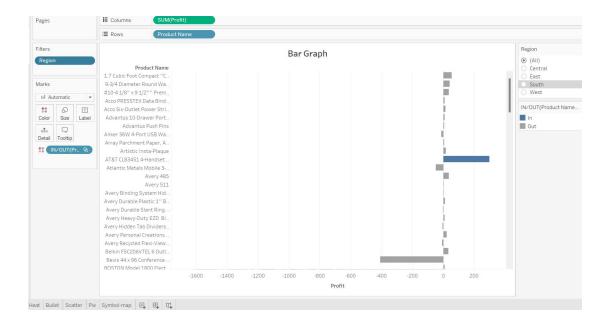
Create set:



In this by clicking product name and then clicking on the create-> set-> we can set the top priority list. In this case I have selected the top list to be 3.



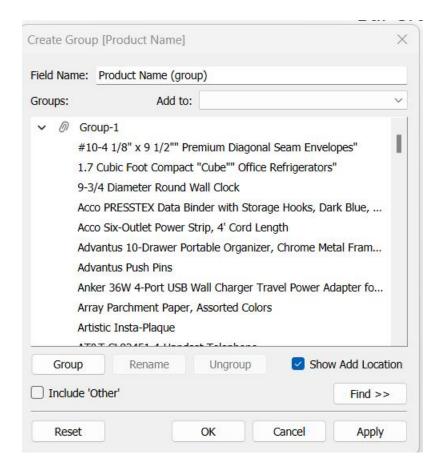
Then if we drag this into the color ..It will display the product with different color in accordance with the profit.



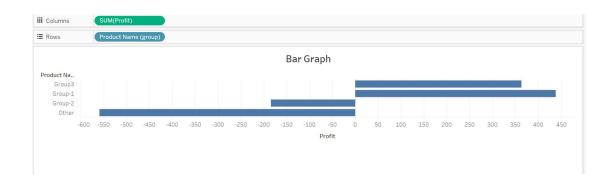
create a group:

To Show how group works, select a horizontal graph with products name and randomly make them into 3 groups and include all others in other.

Thus making 4 groups.



Now drag that to rows



Now add color by selecting the created group into the color. This gives color to all the fields.

