

# **SMART BRIDGE DATA ANALYTICS**

**DIGITAL ASSIGNMENT-2**

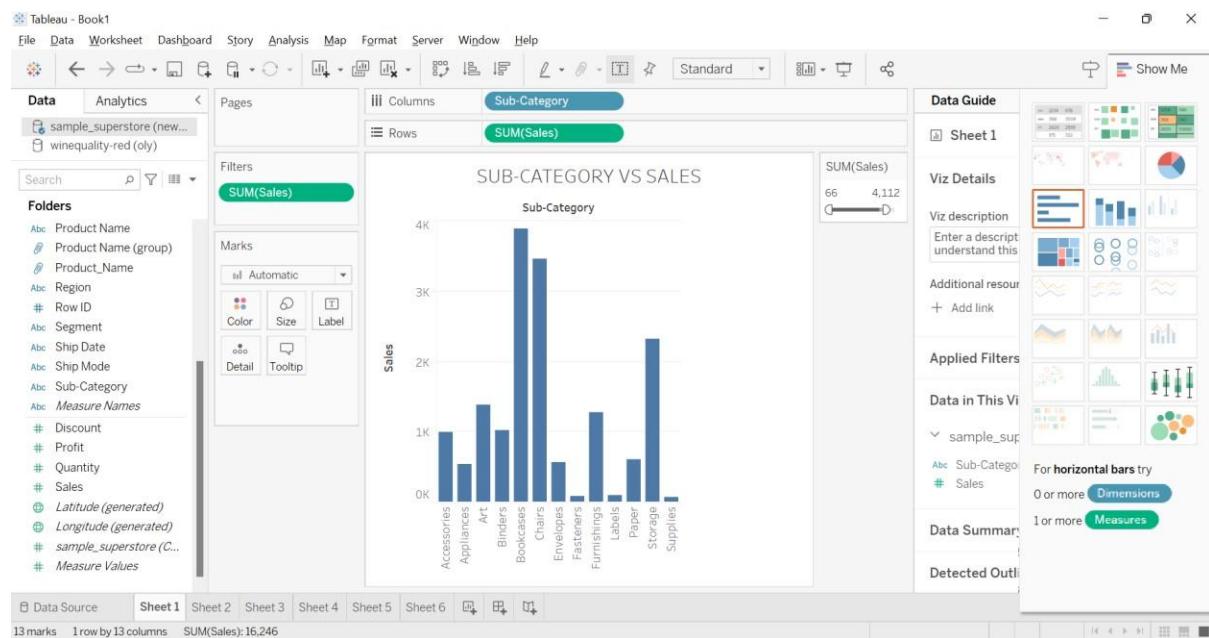
**MOHAMMED FARHAN  
4NI22CS410  
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## Tasks:

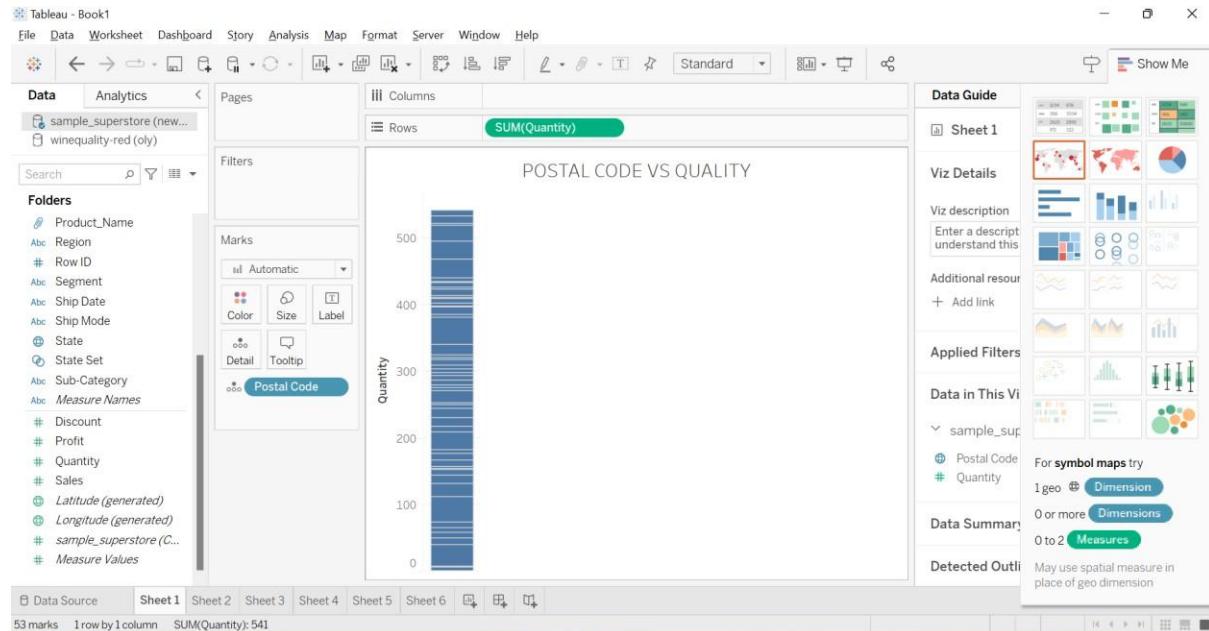
- 1) Create any 7 data visualizations/charts and perform the following
- 2) Apply dimension filter, context and measure filter on any of the three visualizations
- 3) Perform the following data manipulations on your dataset
  - create a Hierarchy
  - create a set
  - create a group

### **1) Create any 7 data visualizations/charts and perform the following**

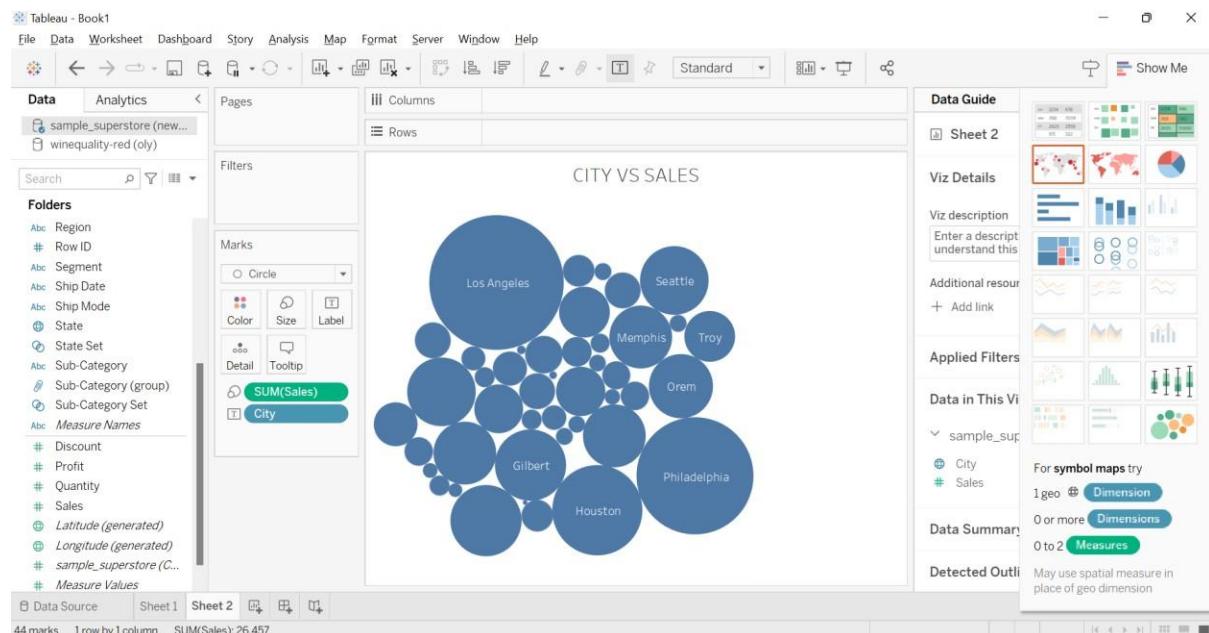
#### Bar graph on Sub category-sales data:



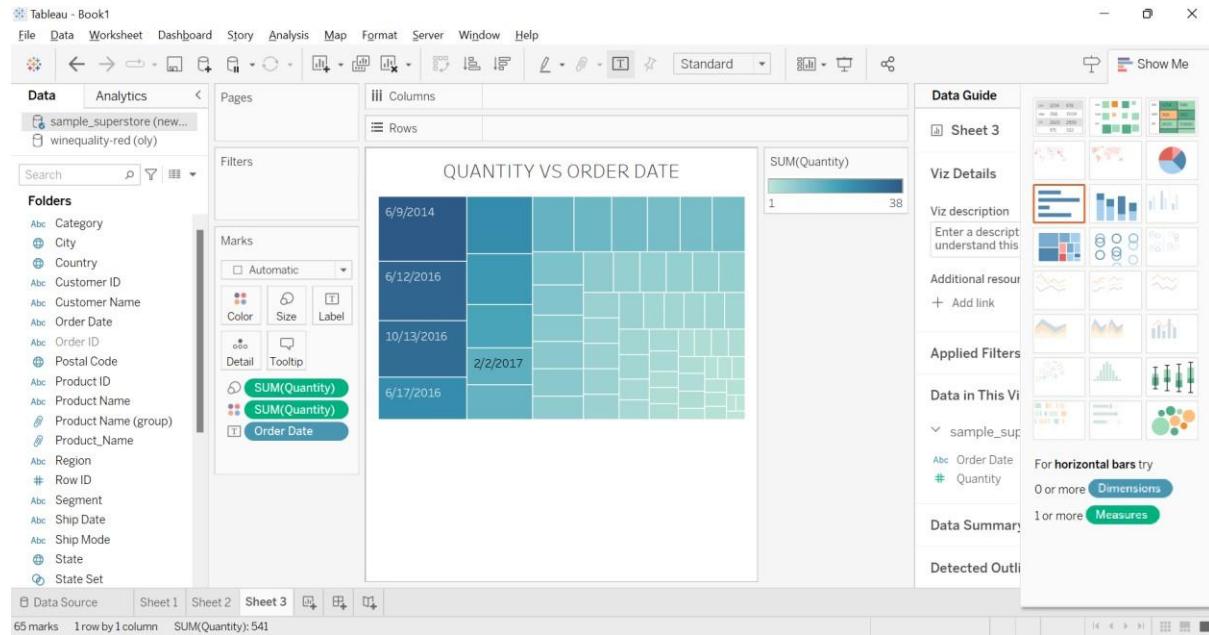
### Stacked bar graph on Postal code vs quality data:



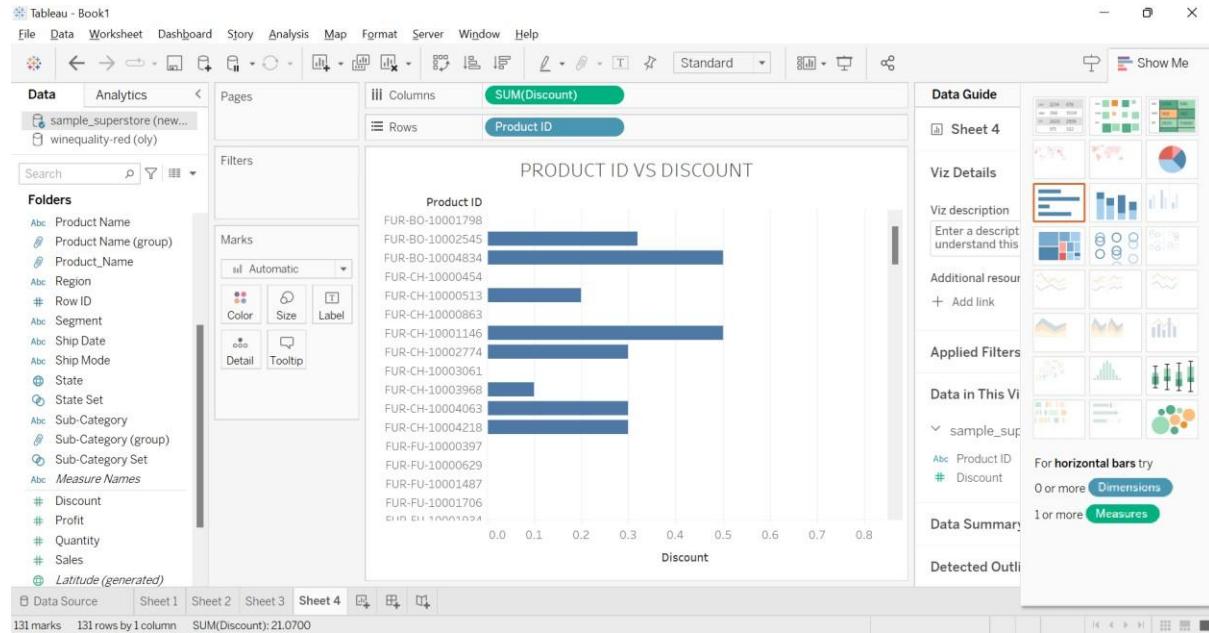
### Packed bubble City vs sales data:



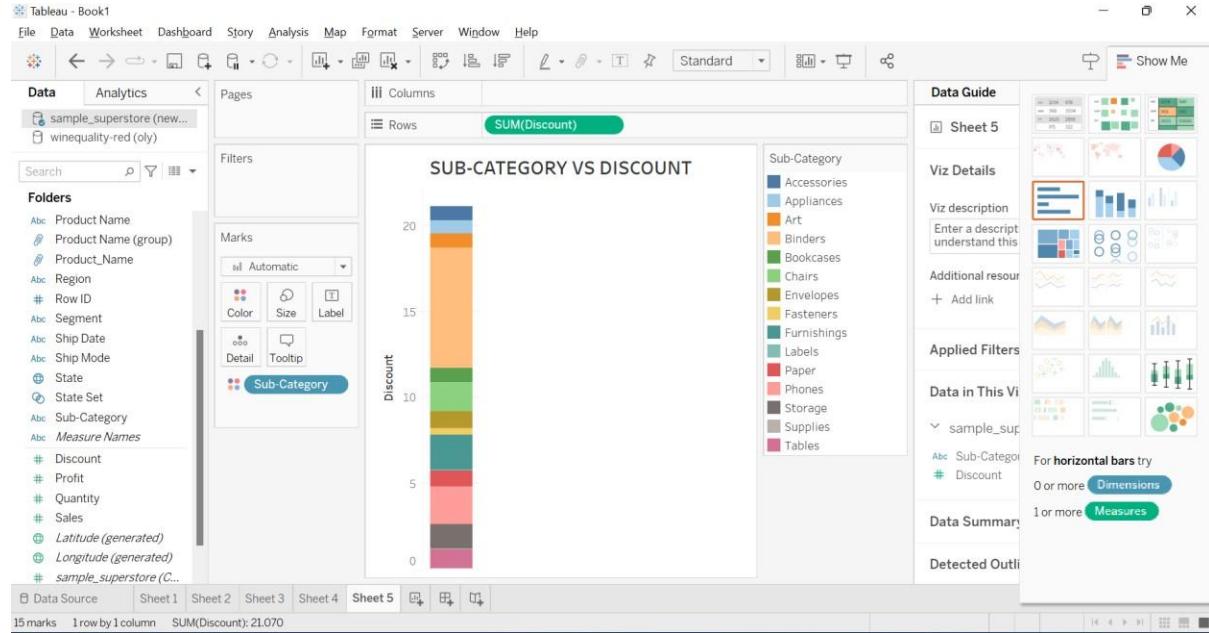
## Tree map graph on Quantity vs Order Date data:



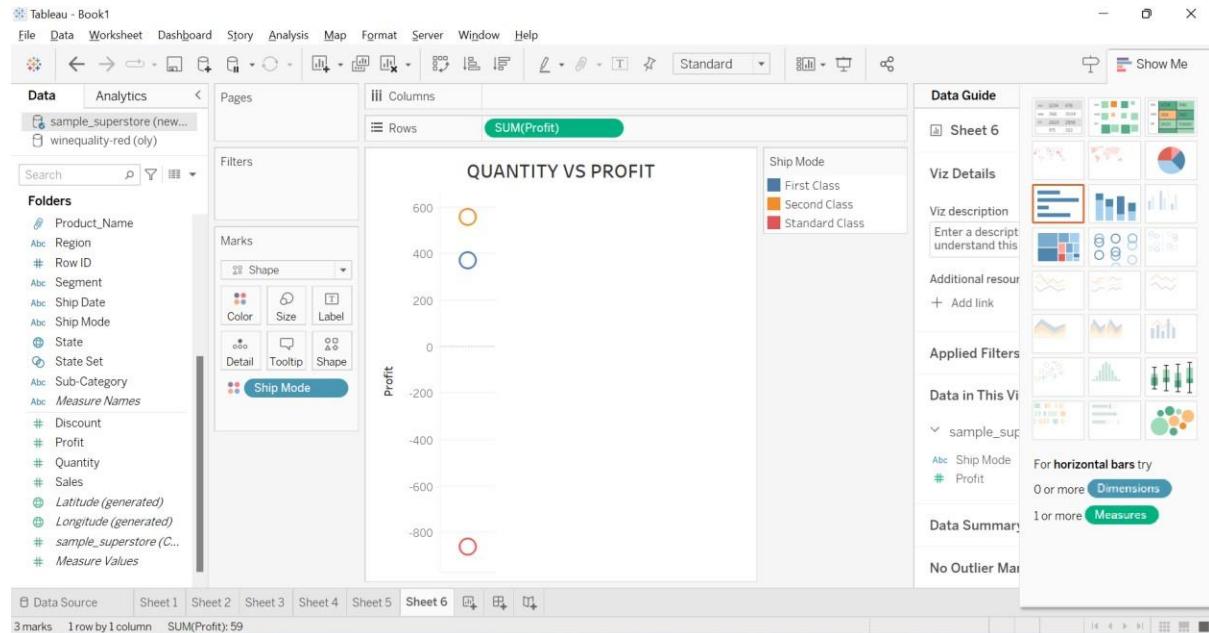
## Horizontal maps on state-quantity data:



### Heat maps on sub category vs discount data:

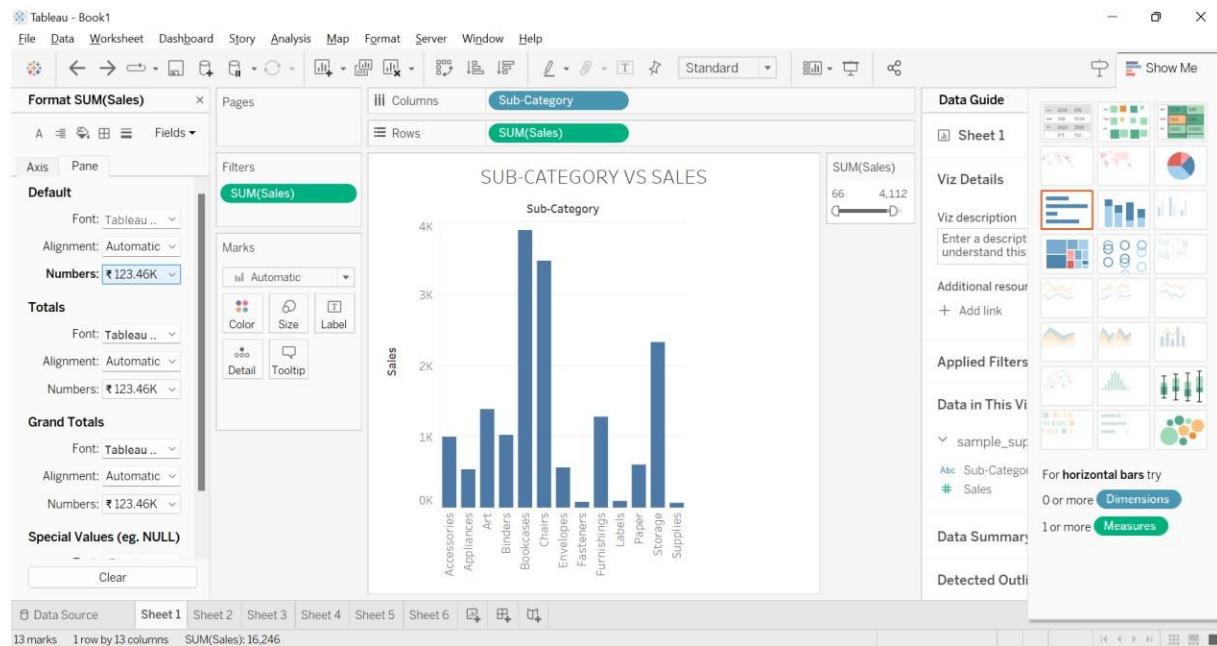
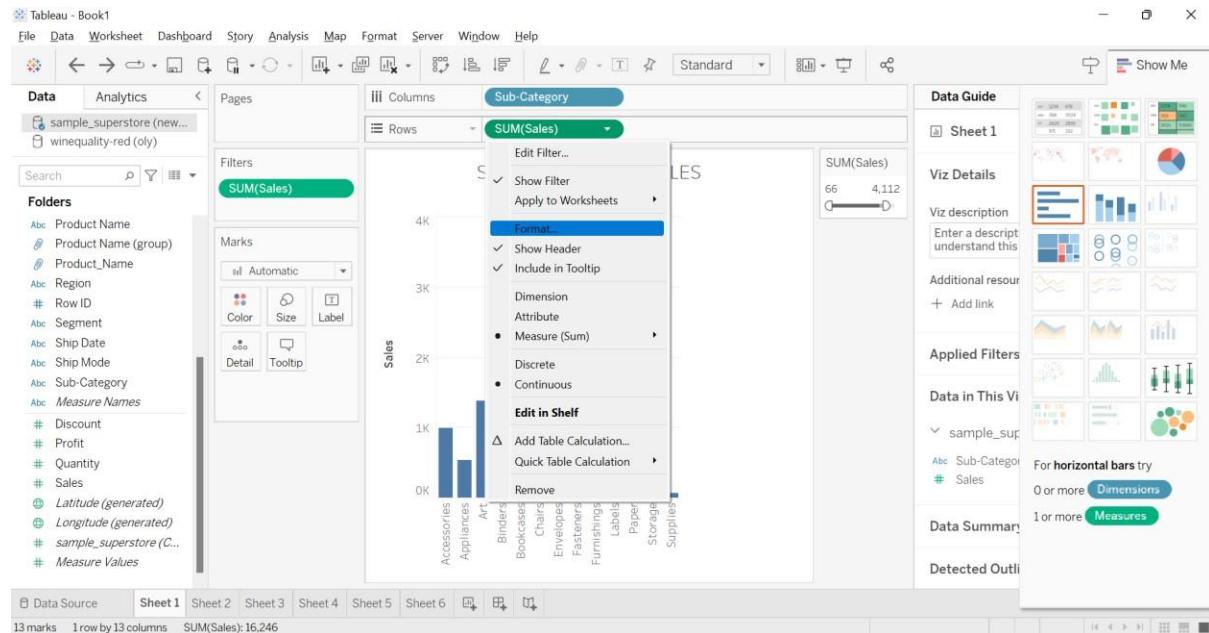


### Circle views on Quantity vs Profit data:



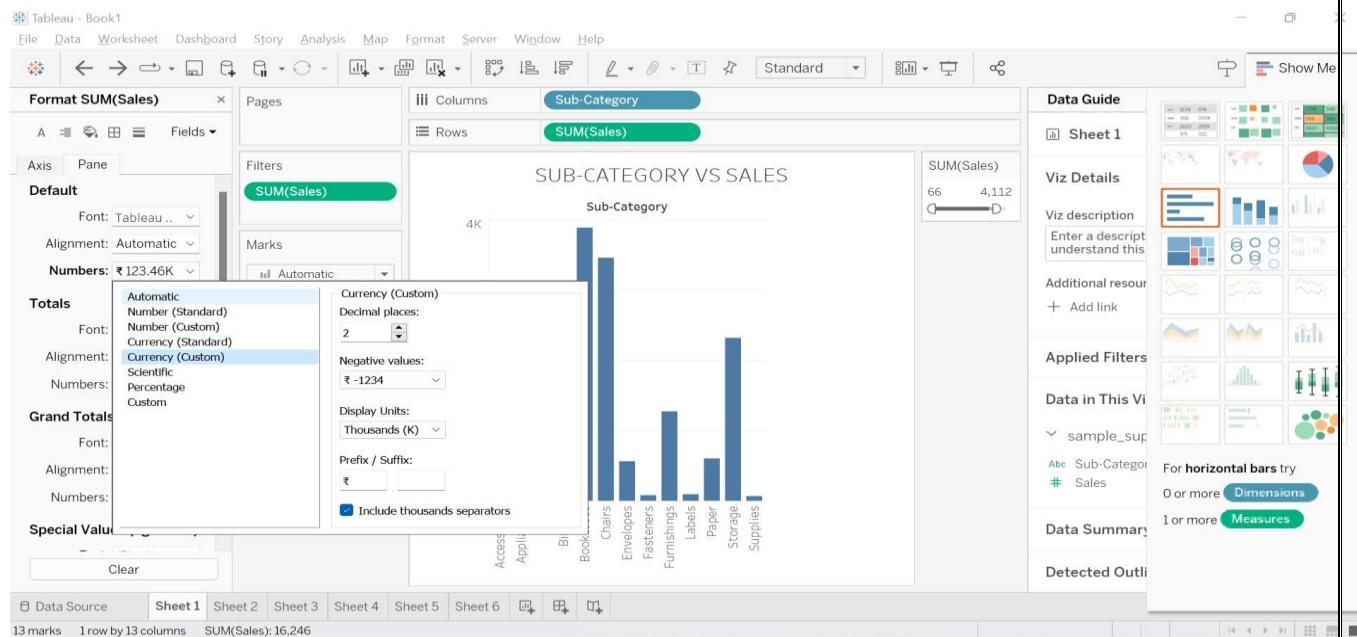
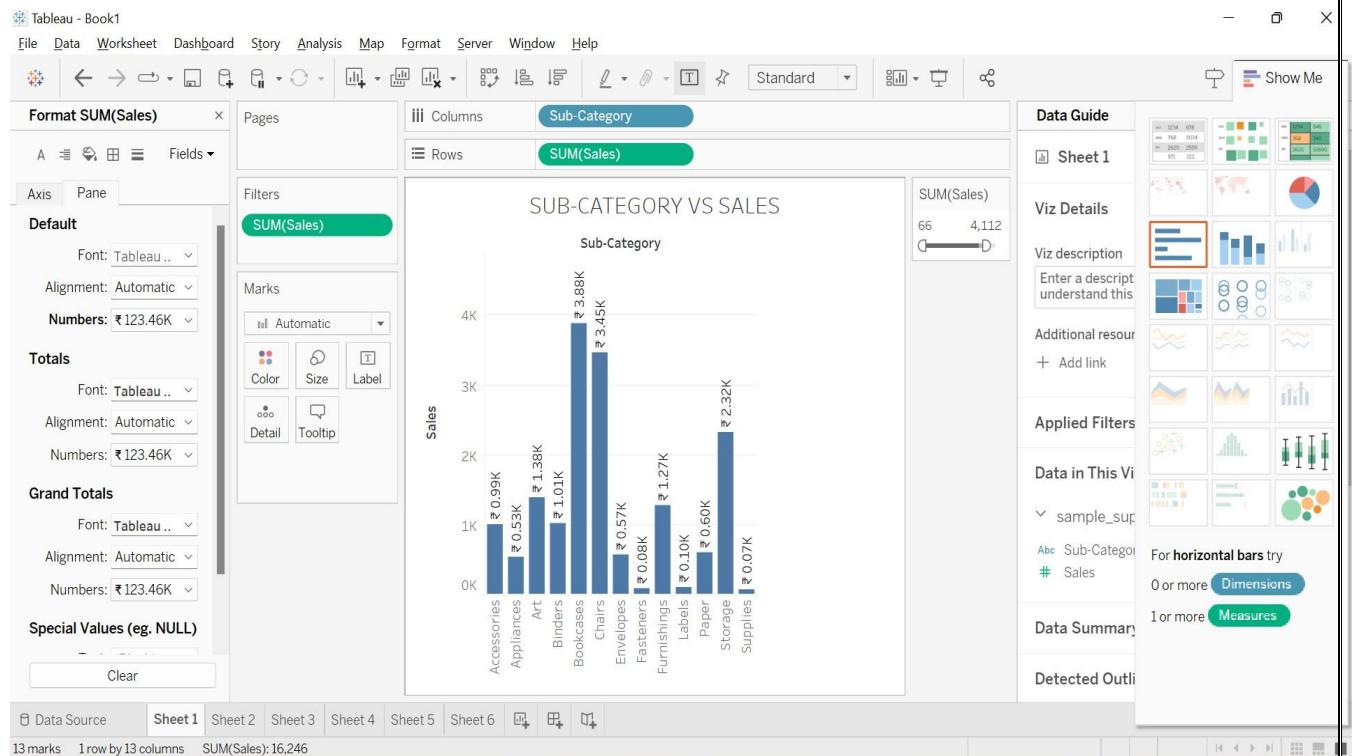
## 2) Apply dimension filter, context and measure filter on any of the three visualizations

### DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:



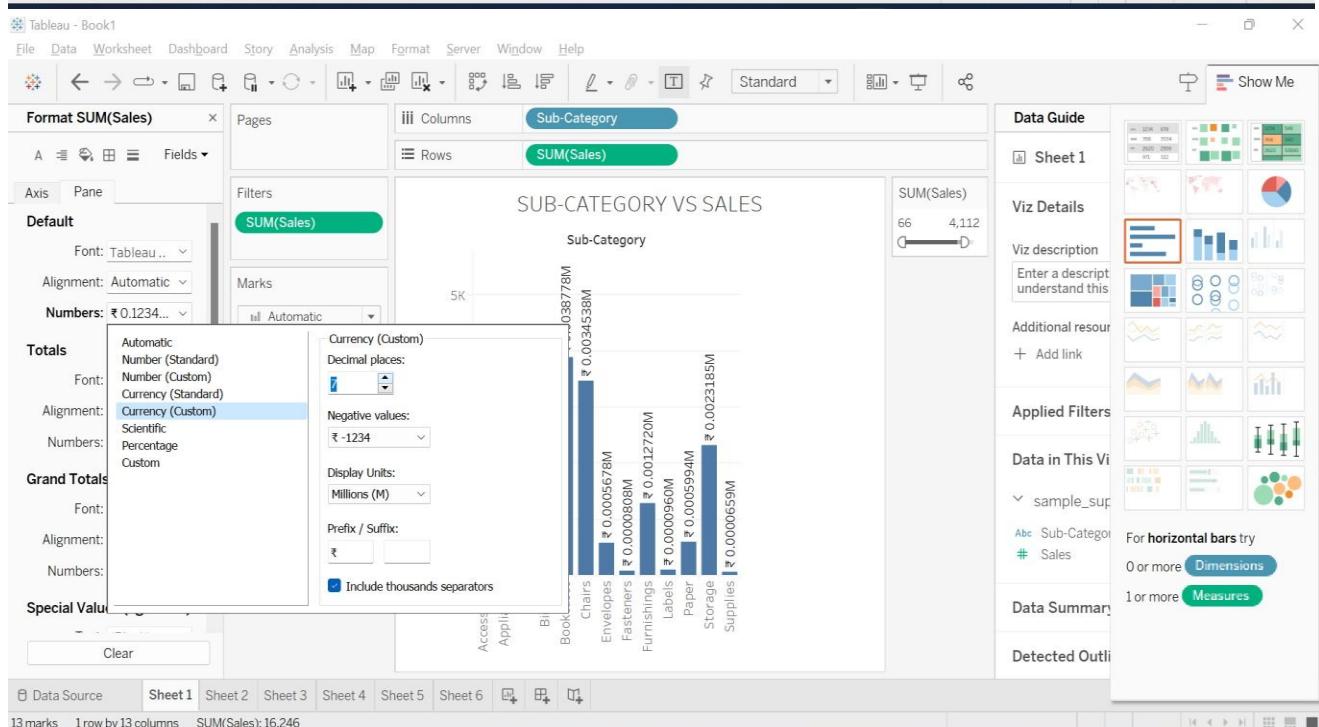
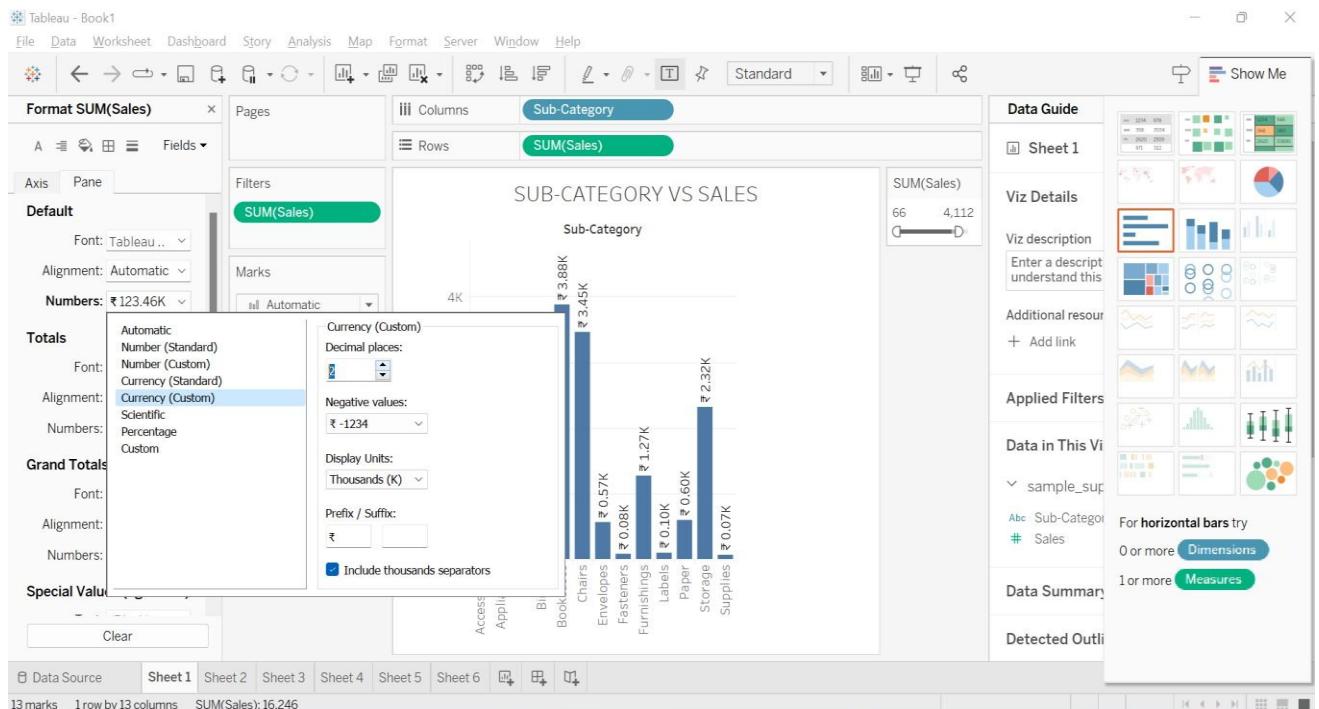
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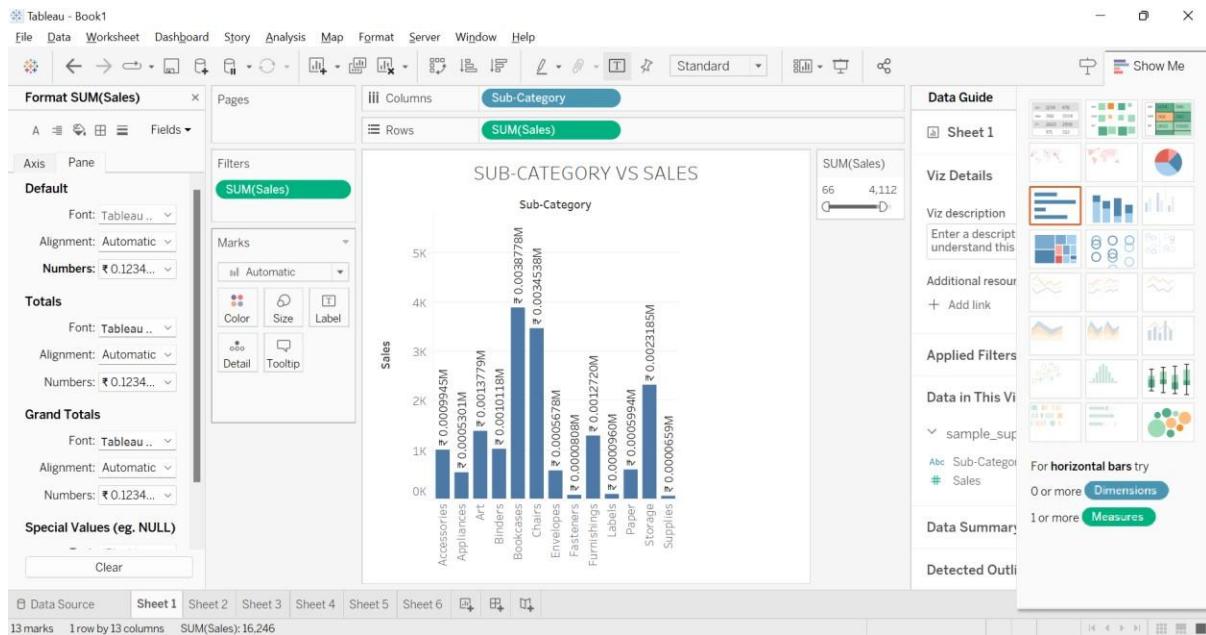


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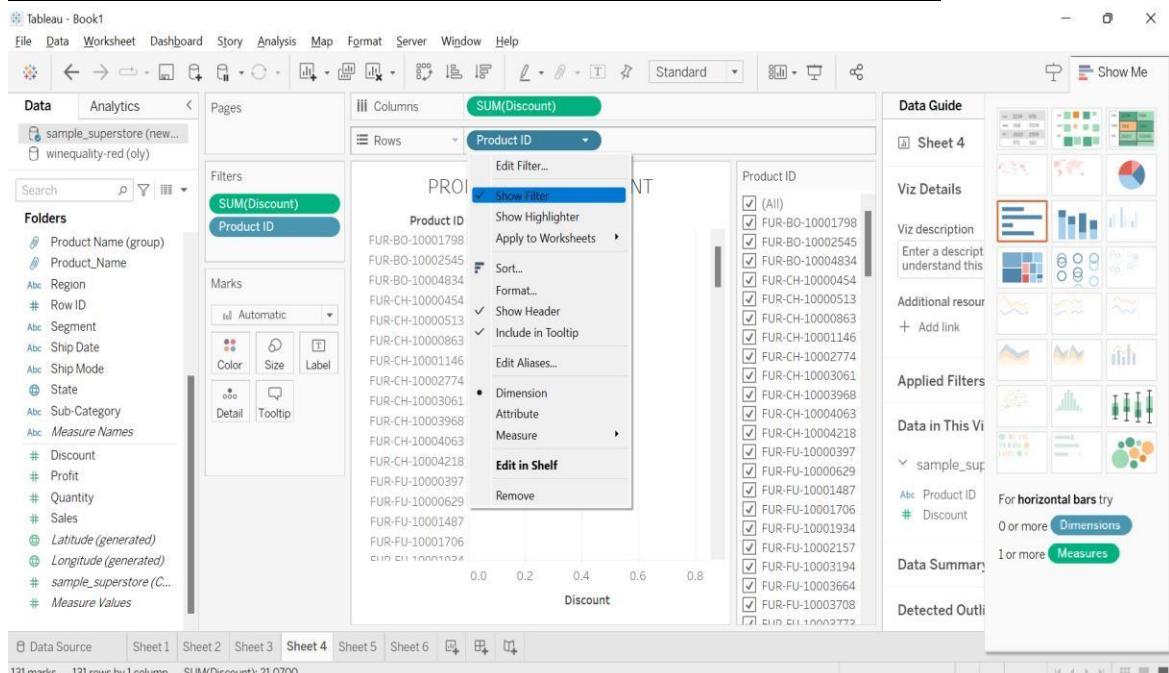
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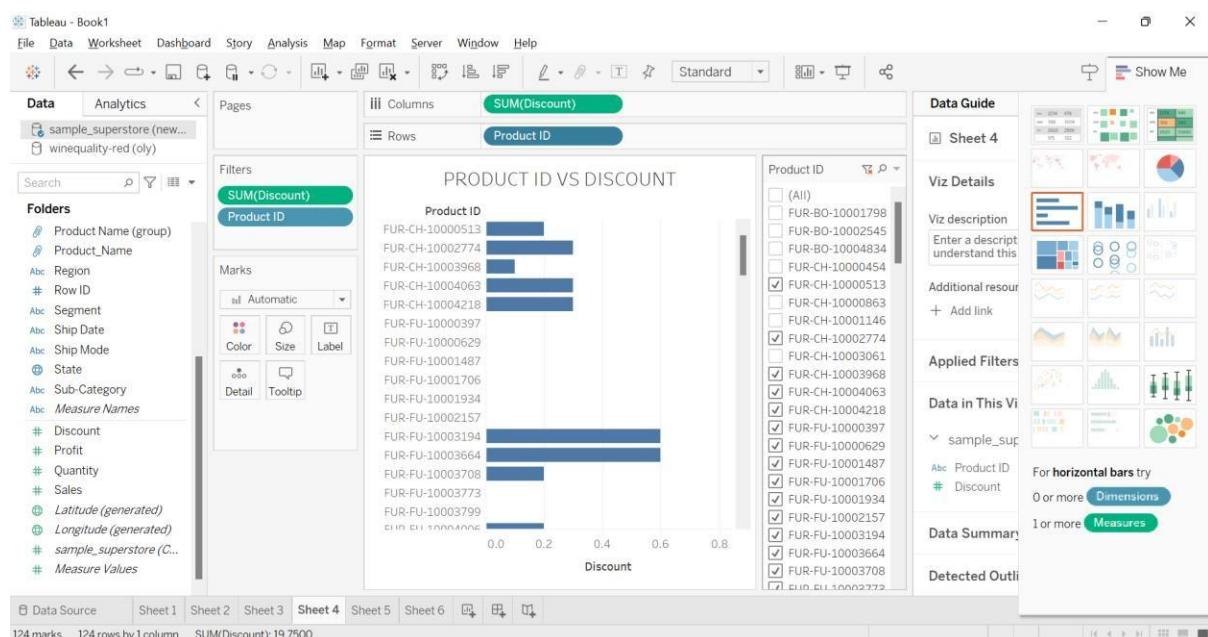
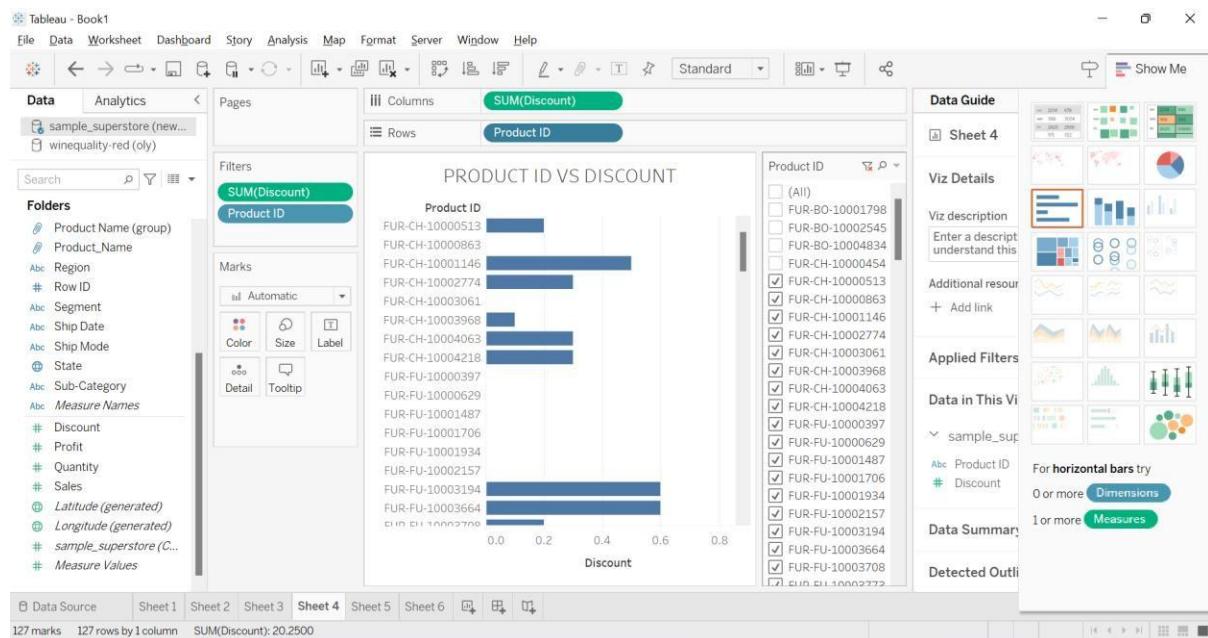


## **CONTEXT FILTER ON HORIZONTAL BAR GRAPH:**



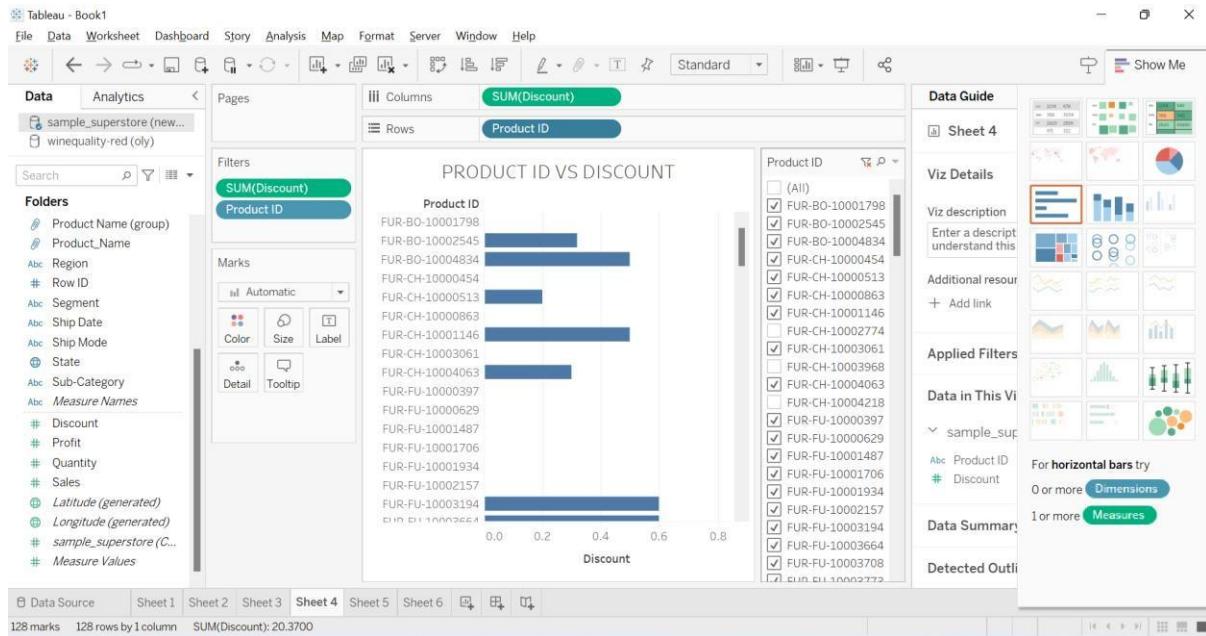
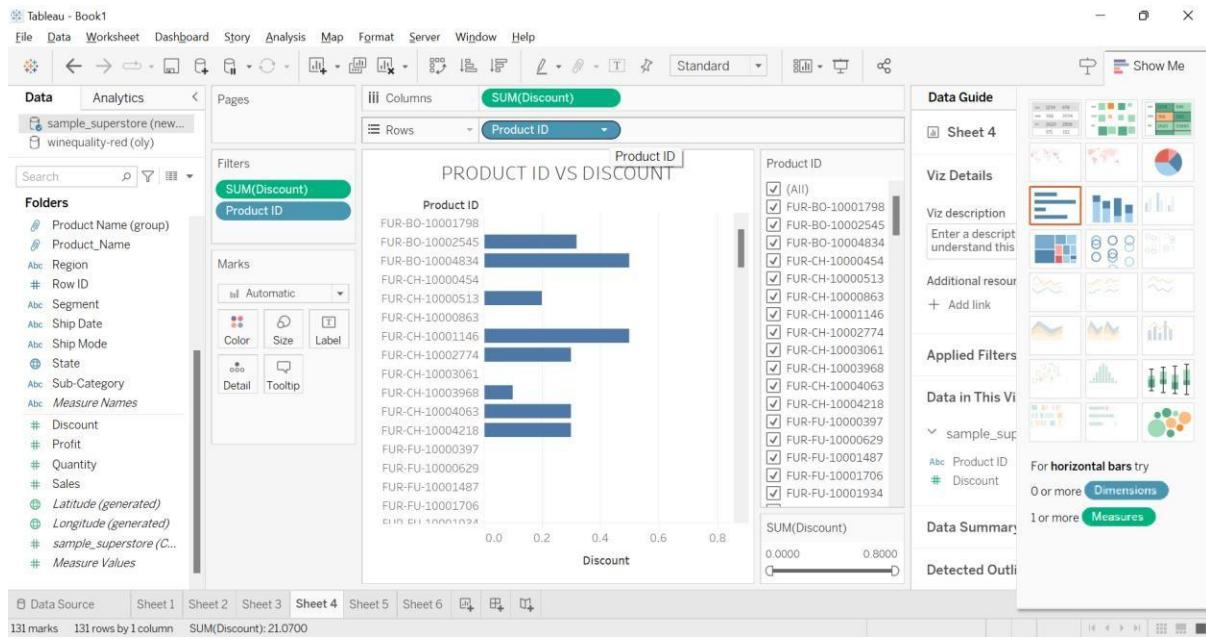
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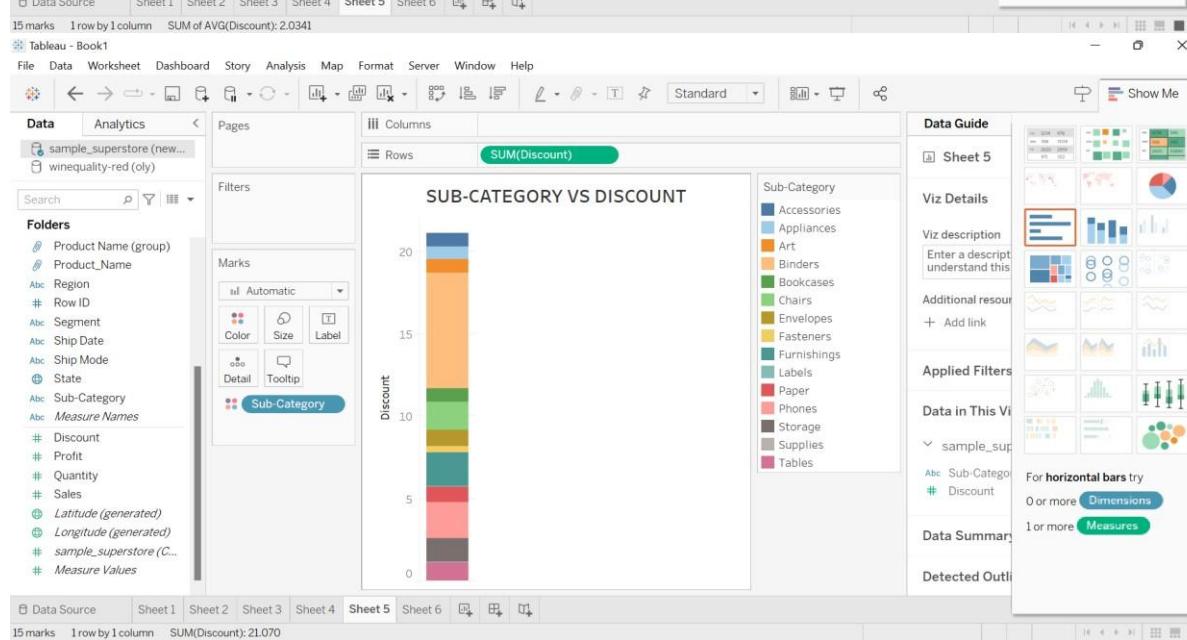
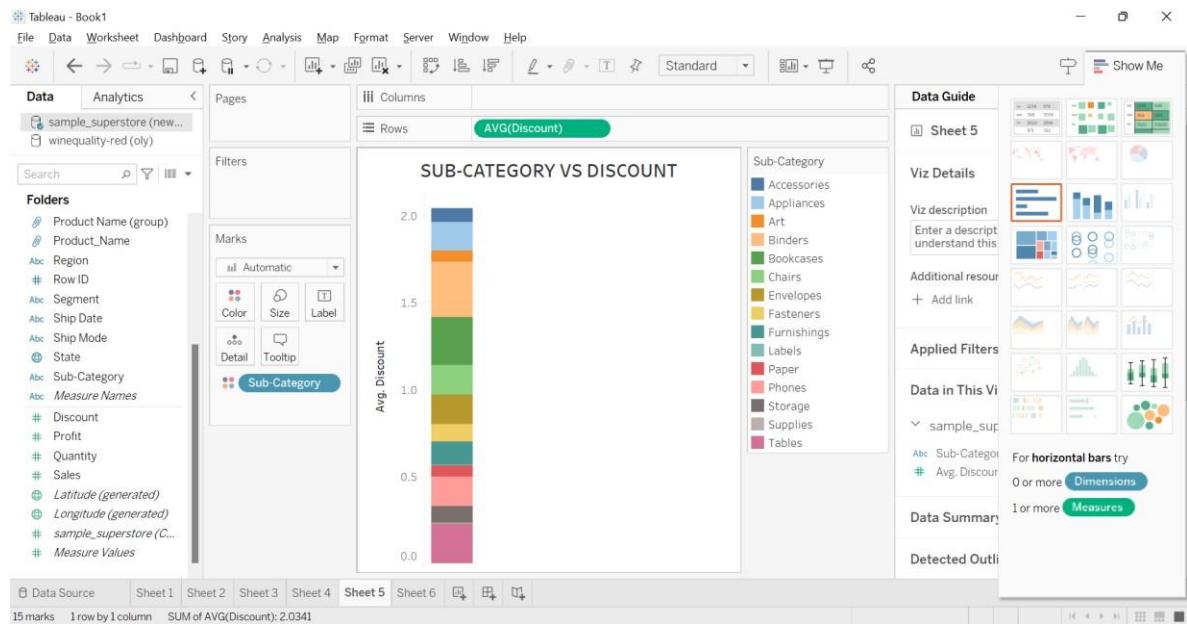


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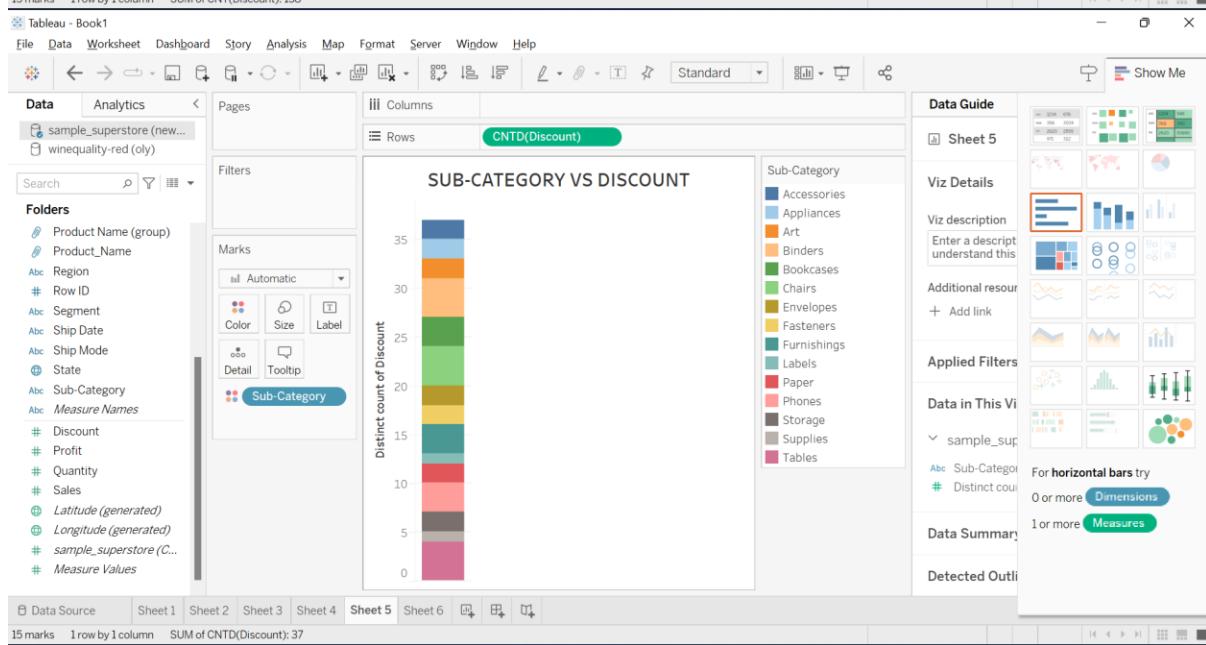
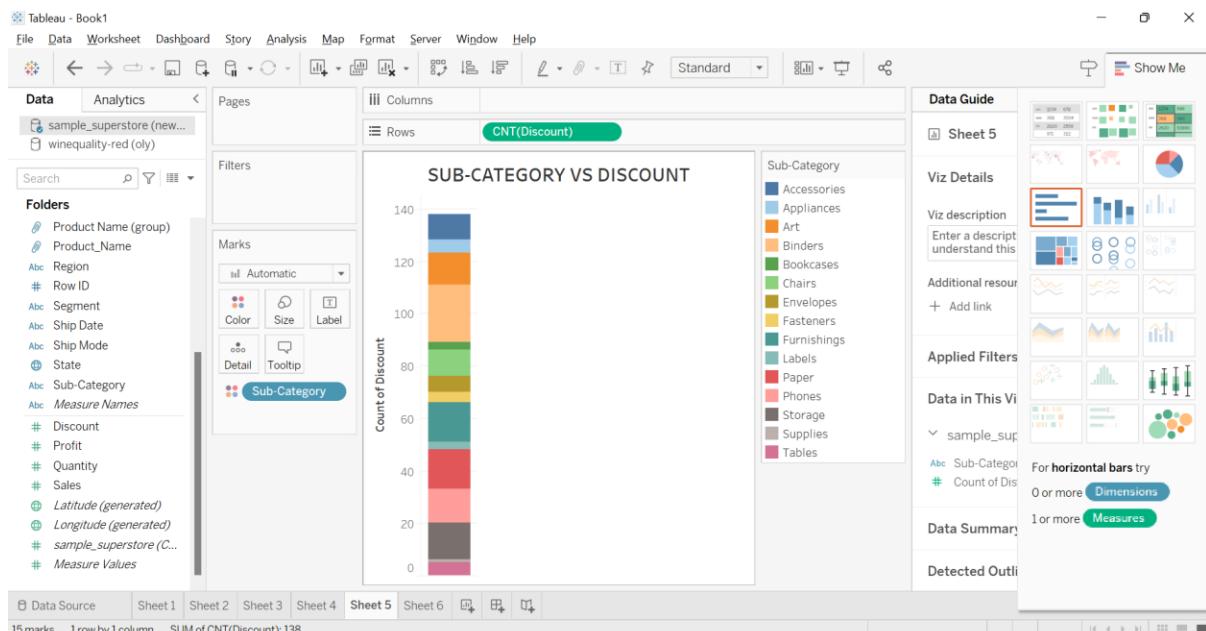
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## MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:



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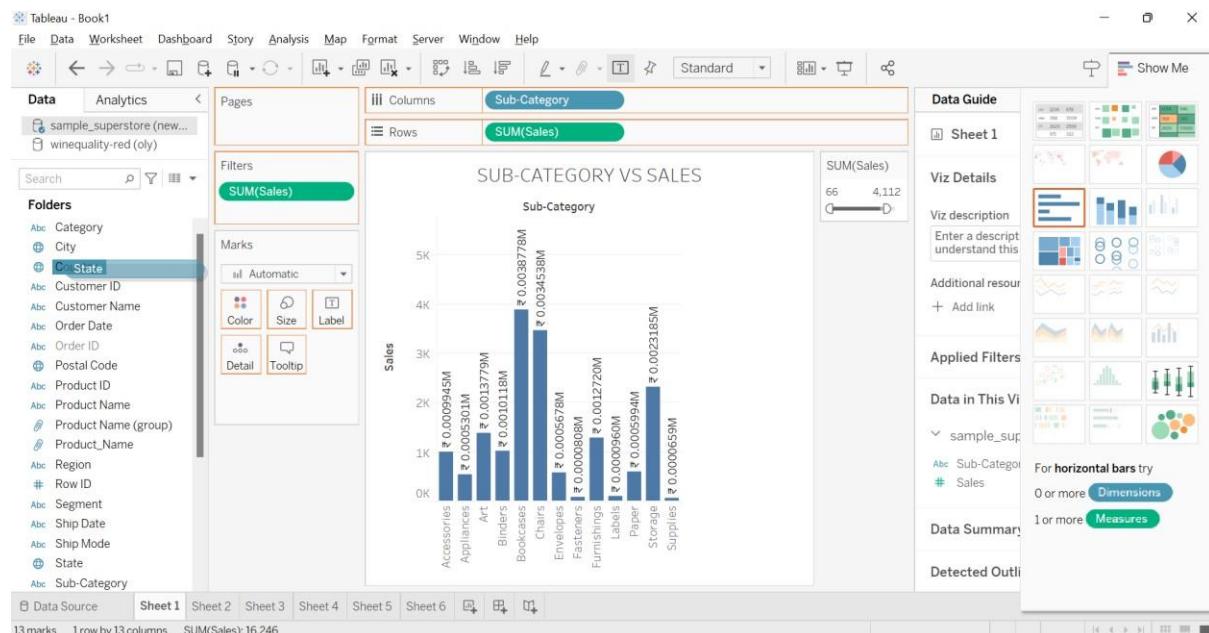


### 3) Perform the following data manipulations on your dataset

- create a Hierarchy
- create a set
- create a group

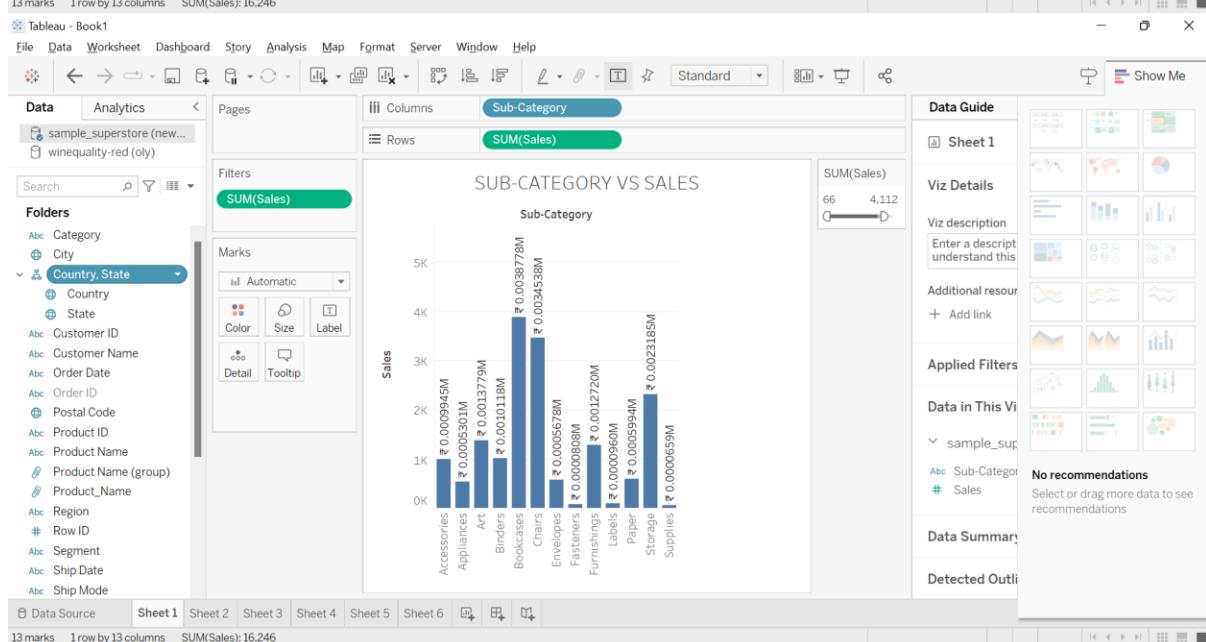
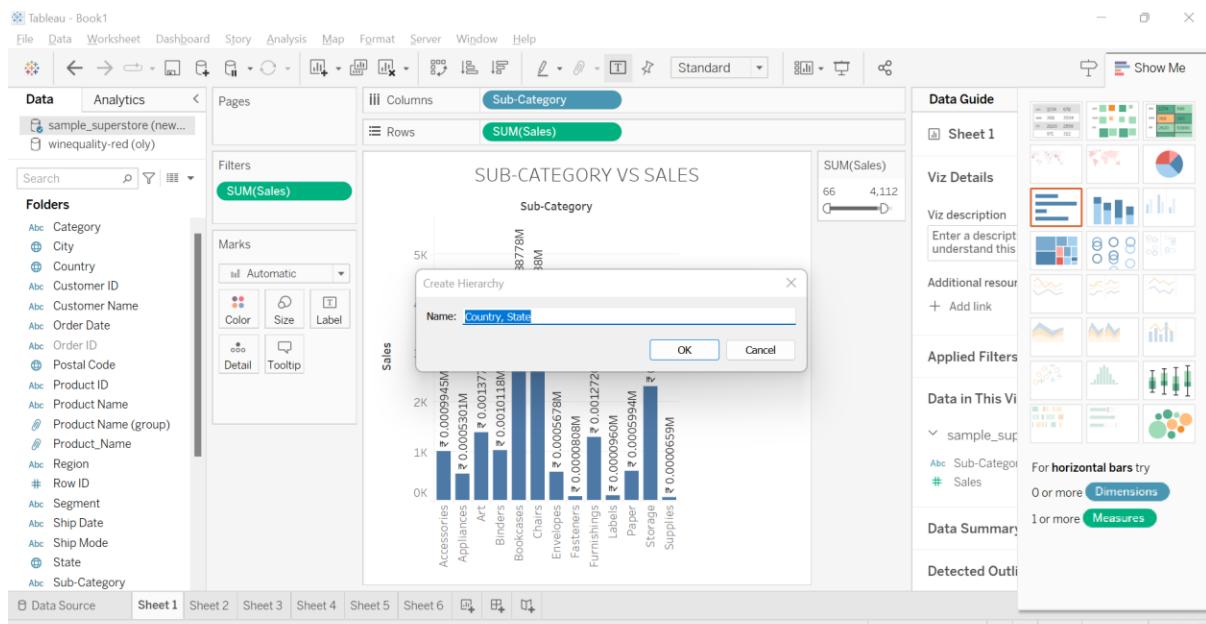
#### Create hierarchy:

I have created a location hierarchy and it consists of country, state, city and postal code as shown below and displayed the bar graph of quantity based on location hierarchy:



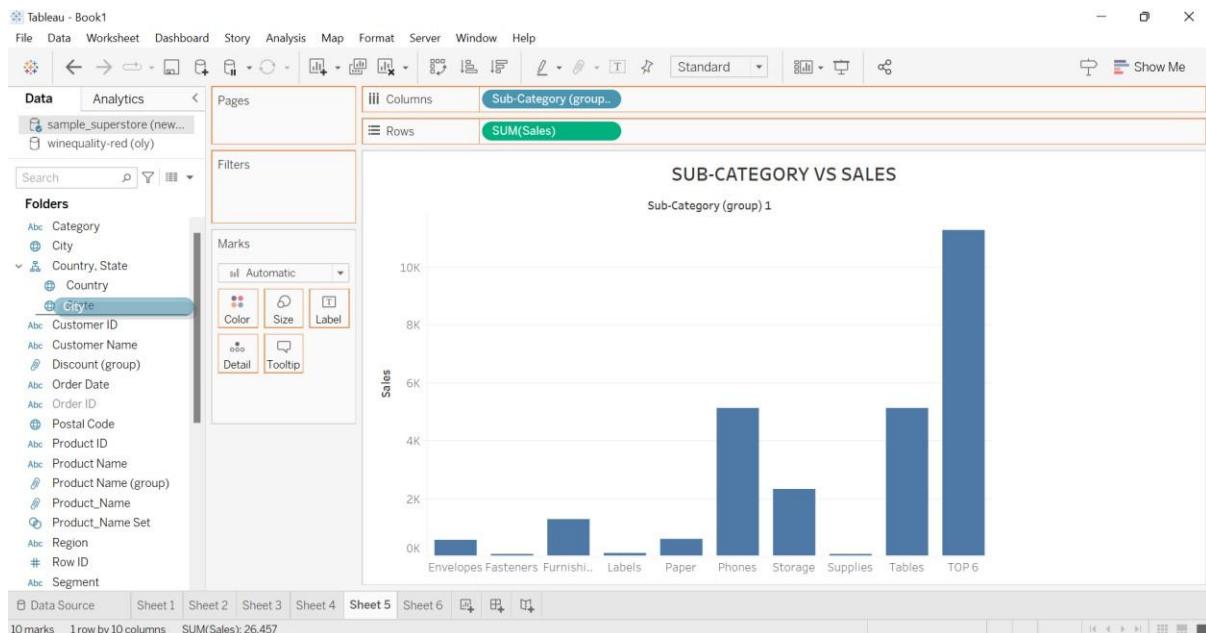
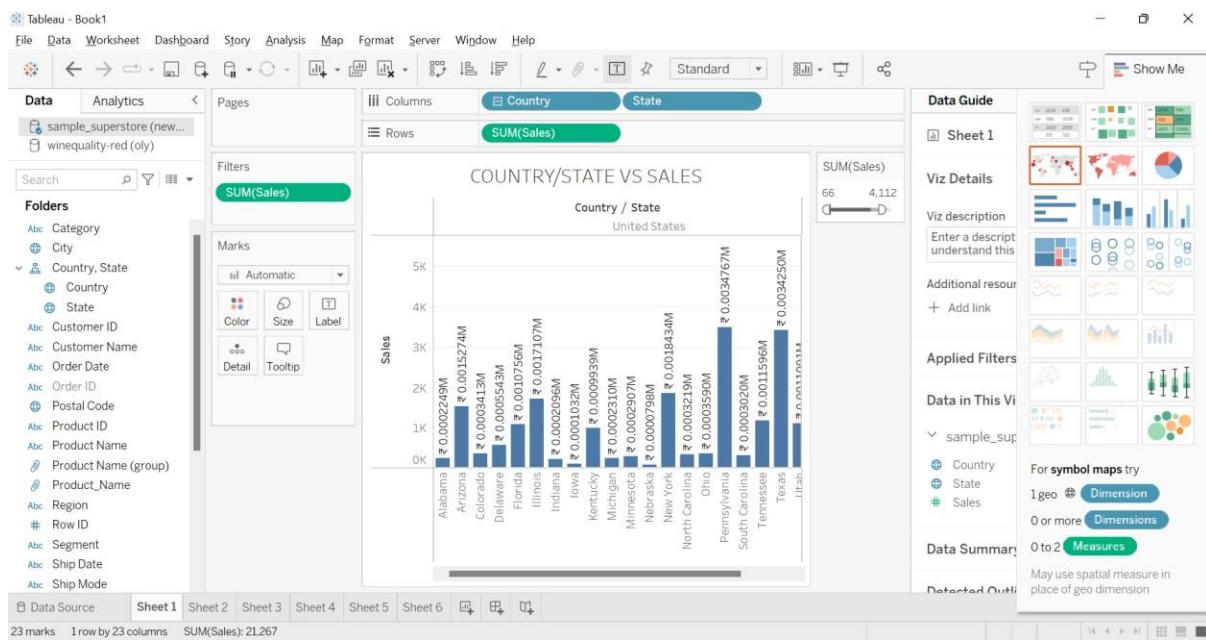
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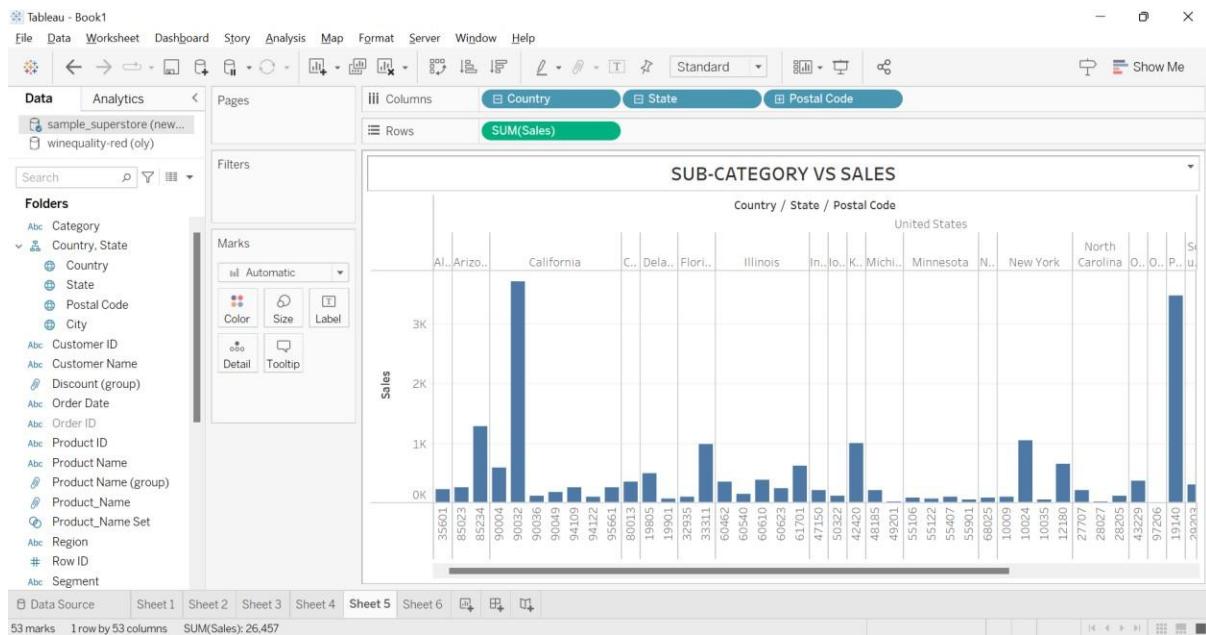
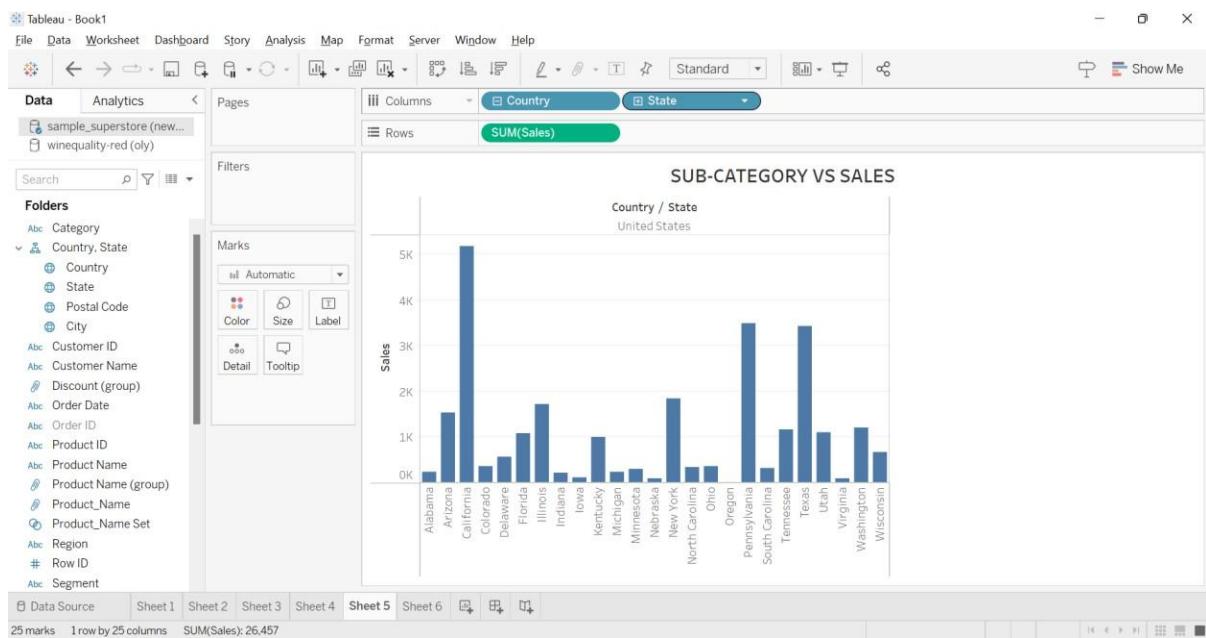


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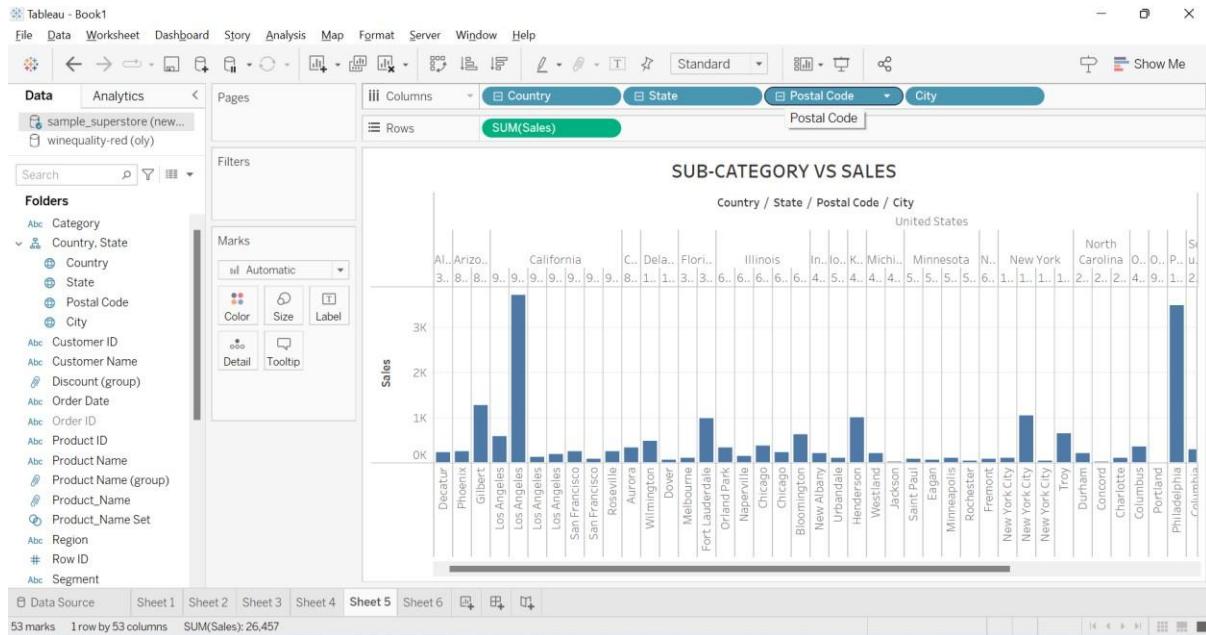
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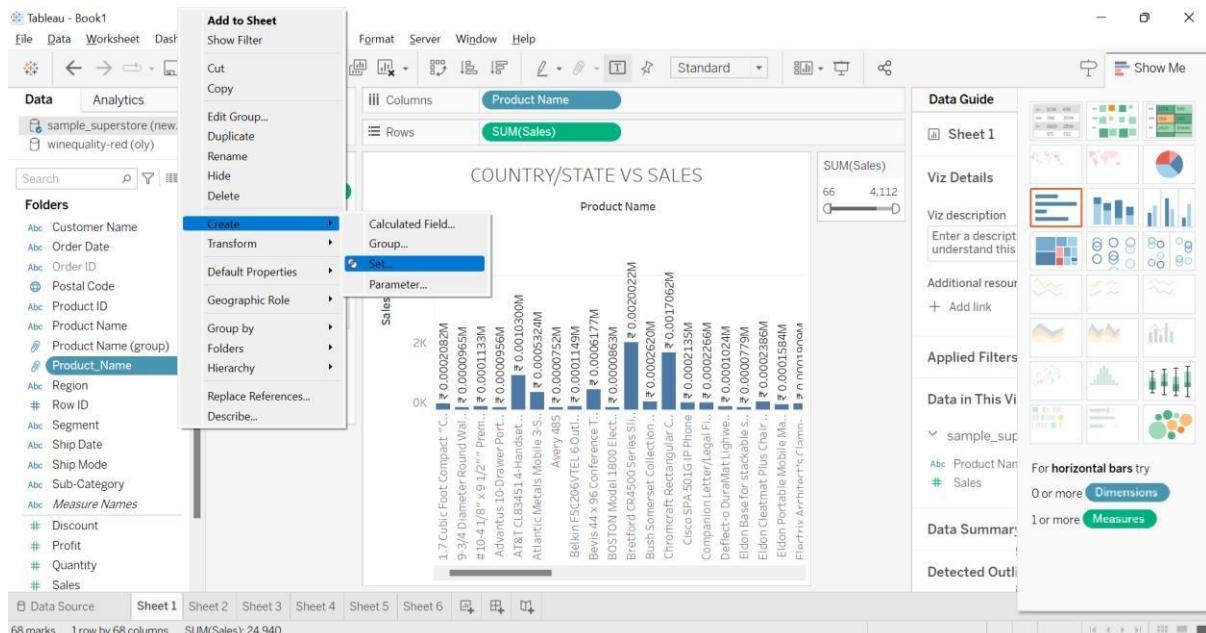


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## Create a set:

I have created a set of IN/OUT of product\_name\_set as shown below:



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Tableau - Book1

**Data**   **Analytics** <   **Pages**   **Filters**   **Marks**

**Create Set**

Name: Product\_Name Set

General Condition Top

Select from list  Custom value list  Use all

Enter search text:

#10 4 1/8" x 9 1/2" Premium Diagonal Seam Envelopes

1/2 Cubic Foot Compact "Cube" Office Refrigerators

9-3/4 Diameter Round Wall Clock

Acco PRESSTEX Data Binder with Storage Hooks, Dark Blue, 14 7/8" X ...

Acco Six-Outlet Power Strip, 4' Cord Length

Advantus 10-Drawer Portable Organizer, Chrome Metal Frame, Smoke ...

Advantus Push Pin

Anker 36W 4-Port USB Wall Charger Travel Power Adapter for iPhone 5...

Array Parchment Paper, Assorted Colors

Artistic Insta-Plaque

AT&T CL83451 4-Handset Telephone

All None Exclude

Summary

Field: [Product\_Name]  
Selection: Selected 0 of 132 values  
Wildcard: All  
Condition: None  
Limit: Top 10 by SUM([Sales])

Reset OK Cancel

**Data Guide**   **Show Me**

**Viz Details**

Enter a descript understand this

Additional resource + Add link

**Applied Filters**

**Data in This Vi**

sample\_sup:  
Abc Product Name  
# Sales

For horizontal bars try  
0 or more Dimensions  
1 or more Measures

**Data Summary**

**Detected Outli**

66 4,112

SUM(Sales)

Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6

68 marks 1 row by 68 columns SUM(Sales): 24,940

Tableau - Book1

**Data**   **Analytics** <   **Pages**   **Filters**   **Marks**

**Create Set**

Name: Product\_Name Set

General Condition Top

None

By field:  
Top 10 by Sales Sum

By formula:  
Top 10 by

Reset OK Cancel

**Data Guide**   **Show Me**

**Viz Details**

Enter a descript understand this

Additional resource + Add link

**Applied Filters**

**Data in This Vi**

sample\_sup:  
Abc Product Name  
# Sales

For horizontal bars try  
0 or more Dimensions  
1 or more Measures

**Data Summary**

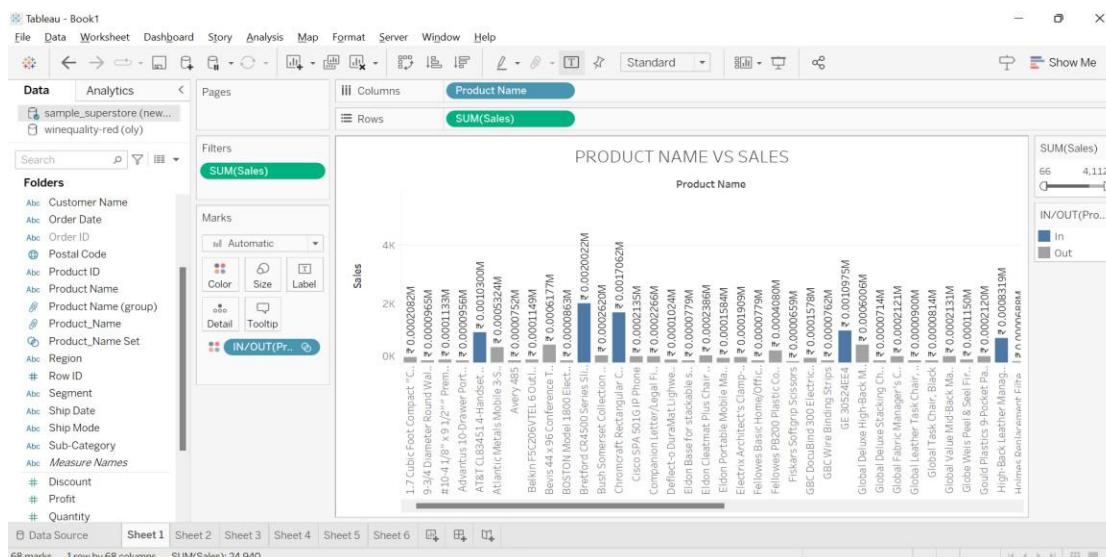
**Detected Outli**

66 4,112

SUM(Sales)

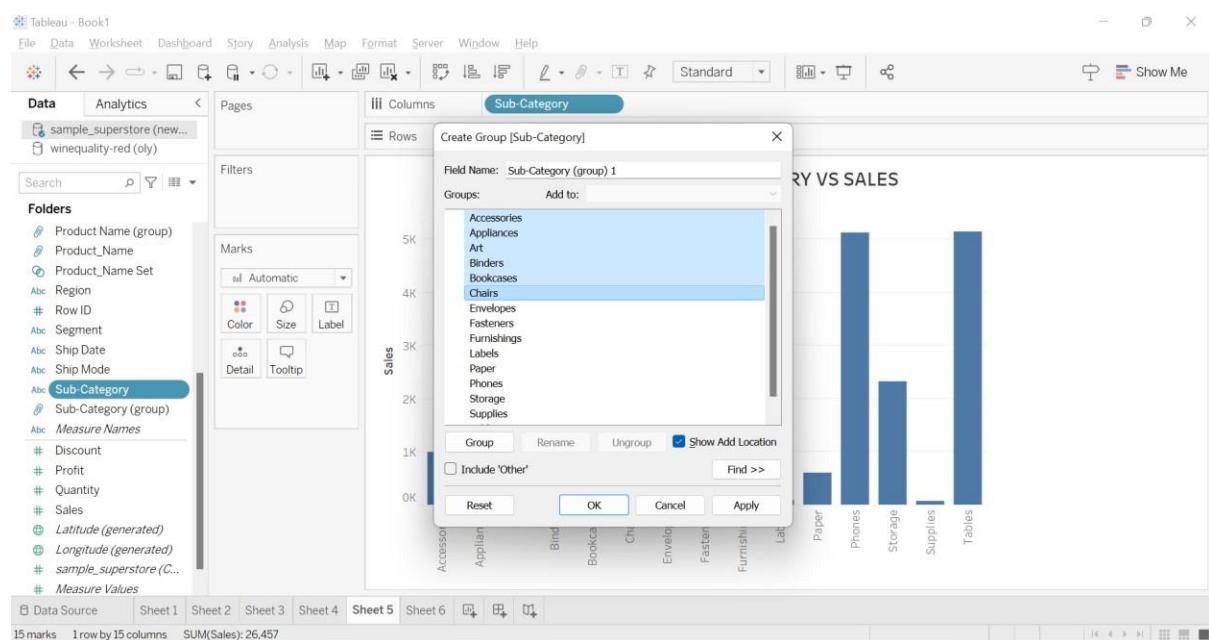
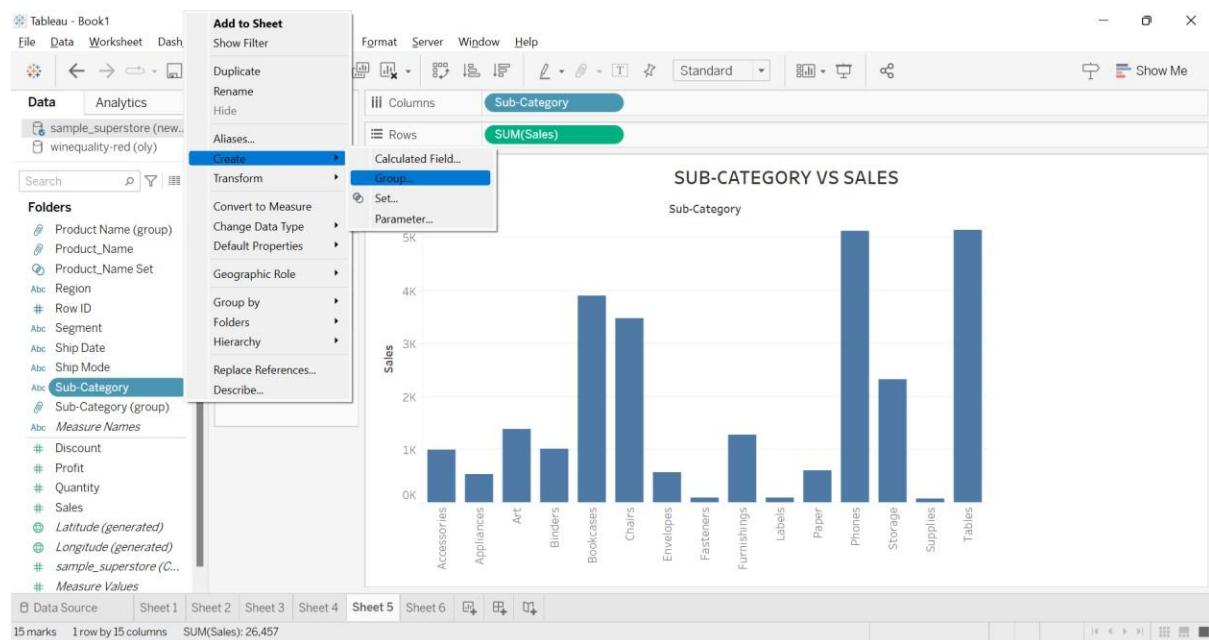
Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6

68 marks 1 row by 68 columns SUM(Sales): 24,940



## Create a group:

I have created a group of 6 sub categories as shown below



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