

# **SMART BRIDGE DATA ANALYTICS**

**DIGITAL ASSIGNMENT-2**

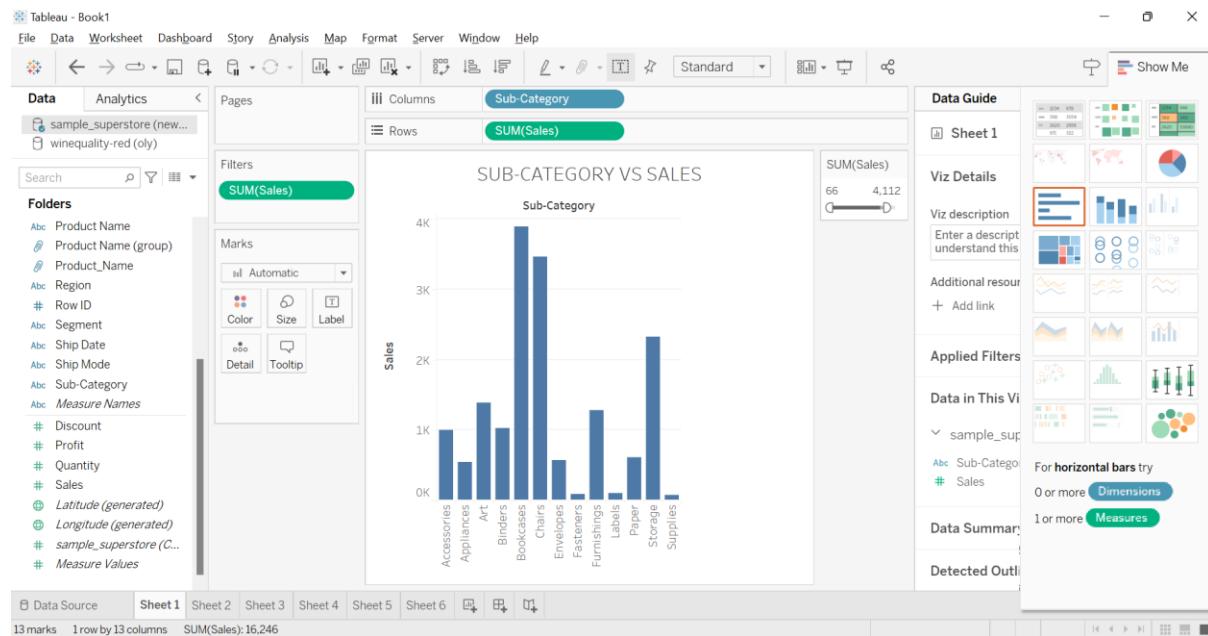
**KODAKANTI PRASANTH  
20BCE0799  
VIT VELLORE**

## Tasks:

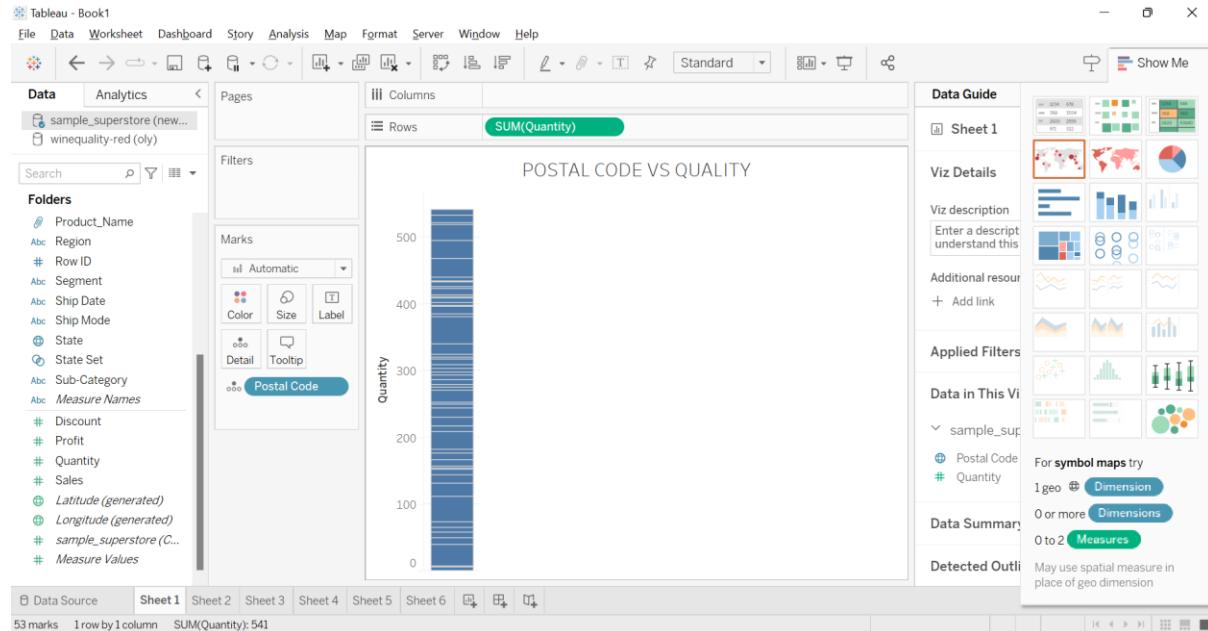
- 1) Create any 7 data visualizations/charts and perform the following
- 2) Apply dimension filter, context and measure filter on any of the three visualizations
- 3) Perform the following data manipulations on your dataset
  - create a Hierarchy
  - create a set
  - create a group

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

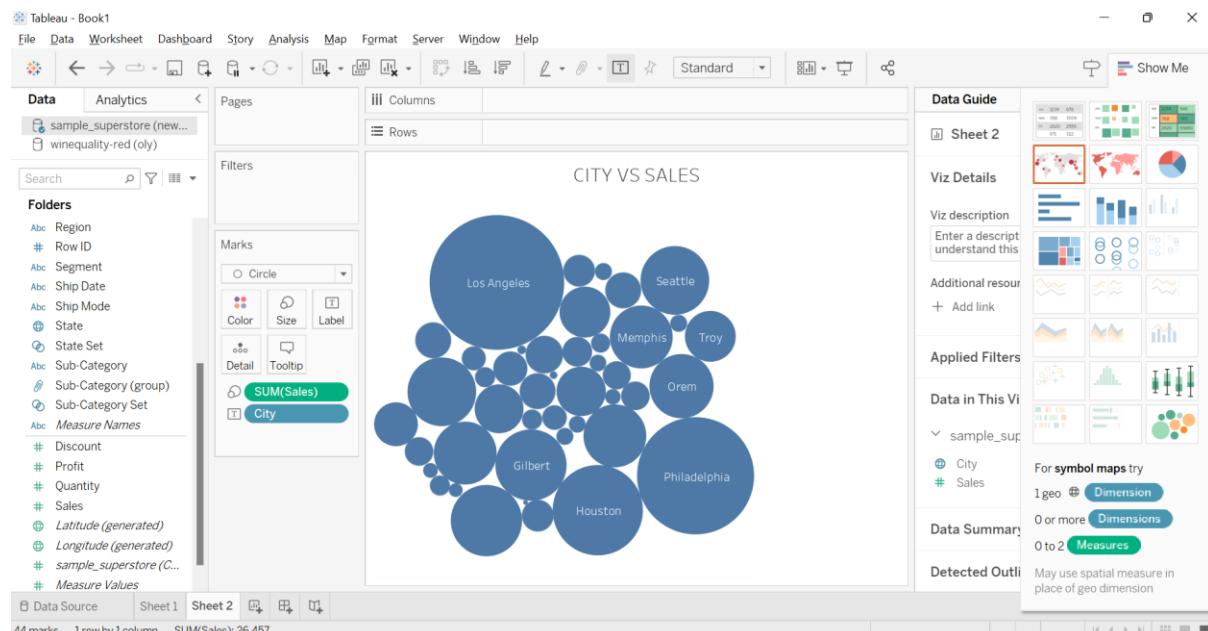
#### Bar graph on Sub category-sales data:



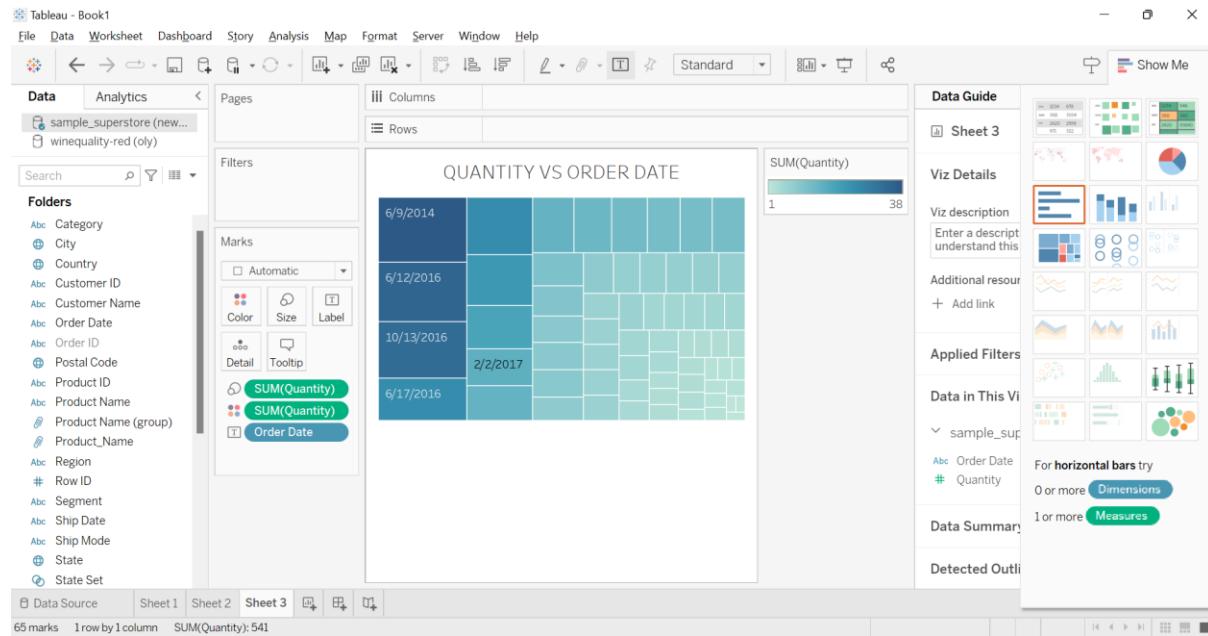
### Stacked bar graph on Postal code vs quality data:



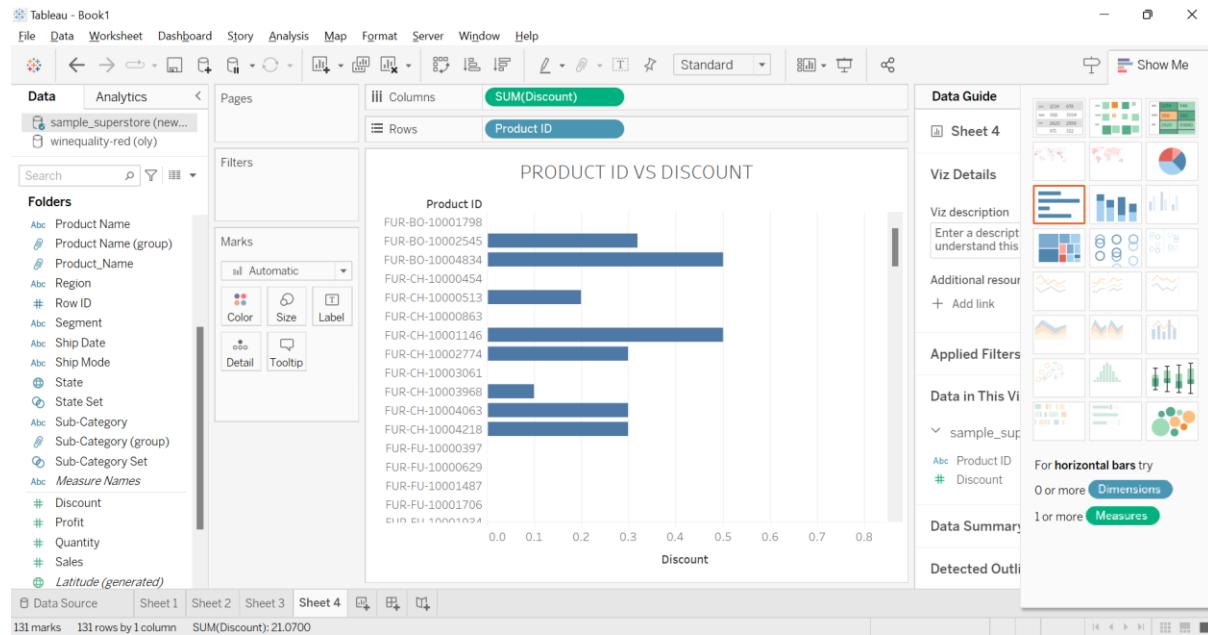
### Packed bubble City vs sales data:



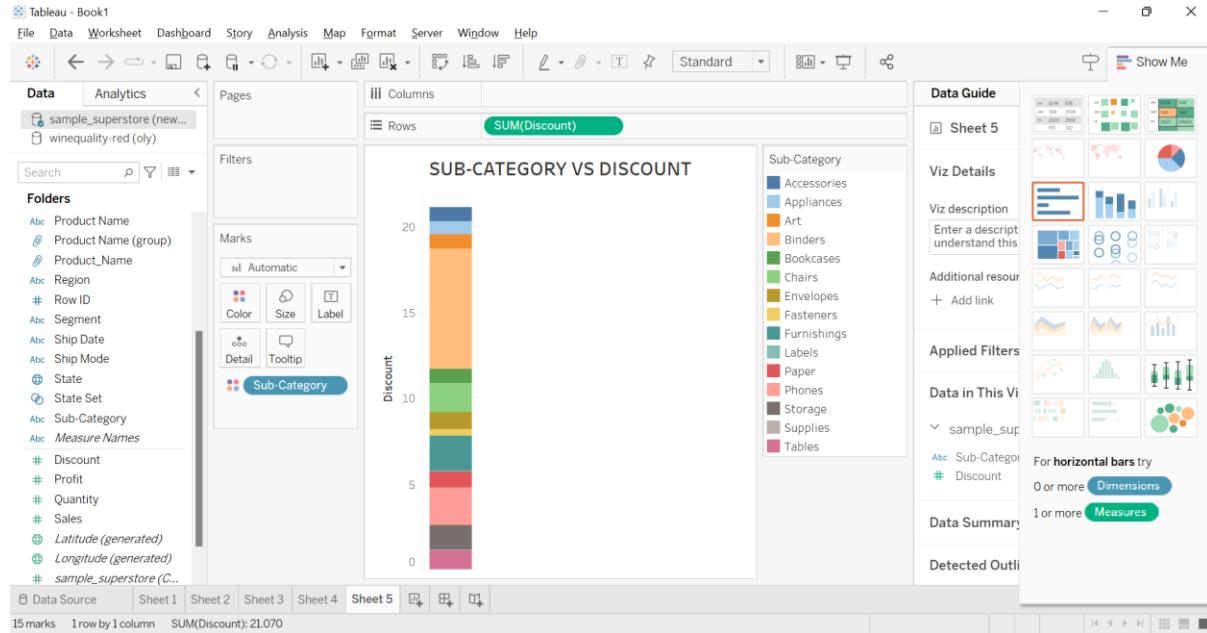
## Tree map graph on Quantity vs Order Date data:



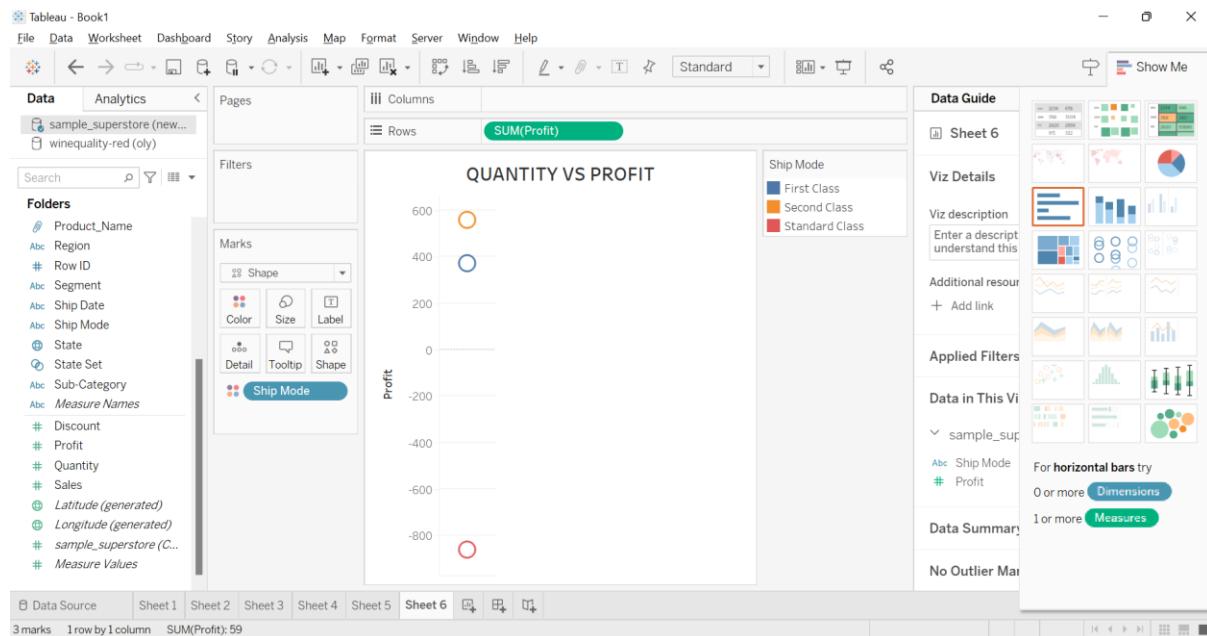
## Horizontal maps on state-quantity data:



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

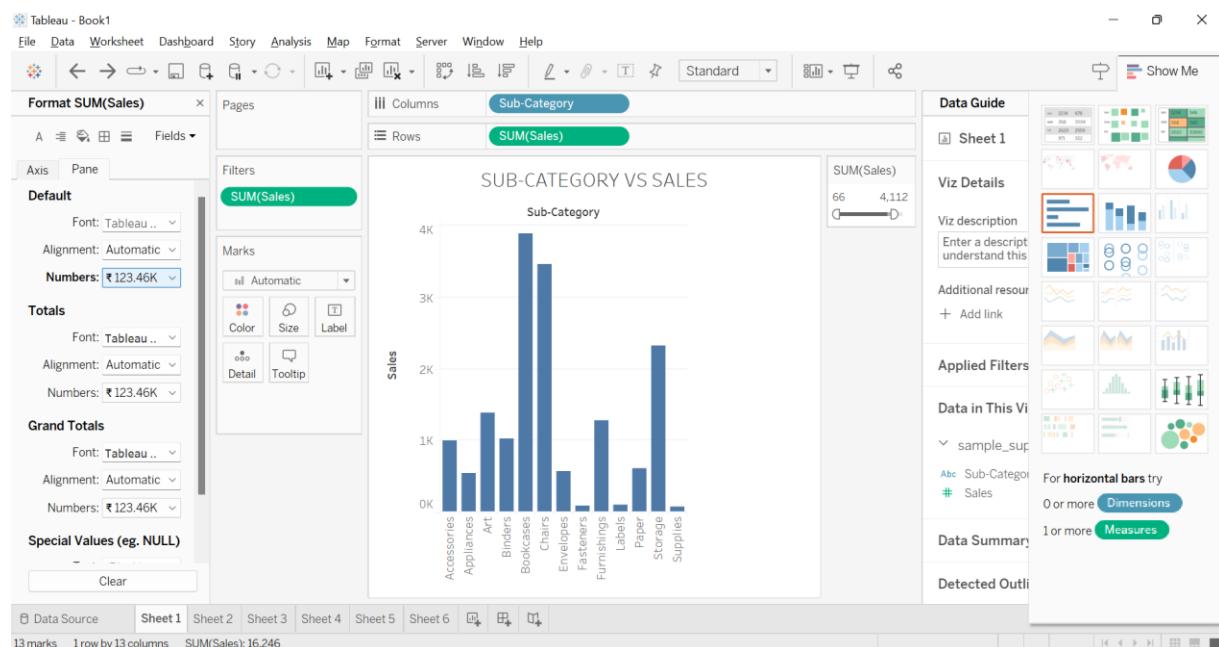
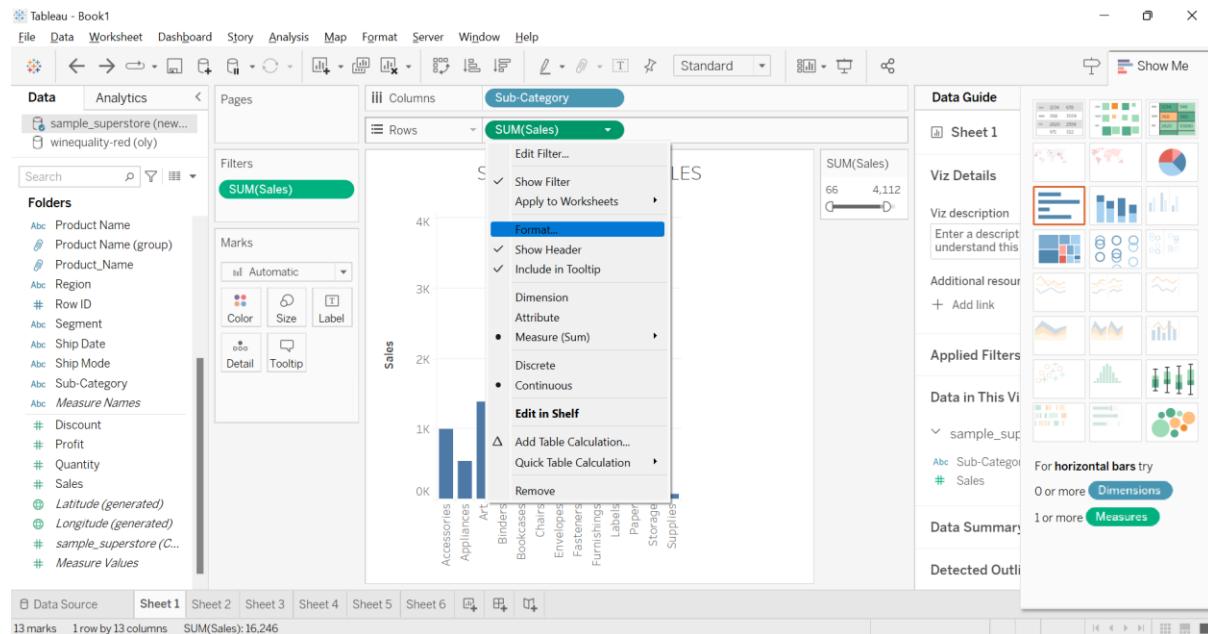


### Circle views on Quantity vs Profit data:

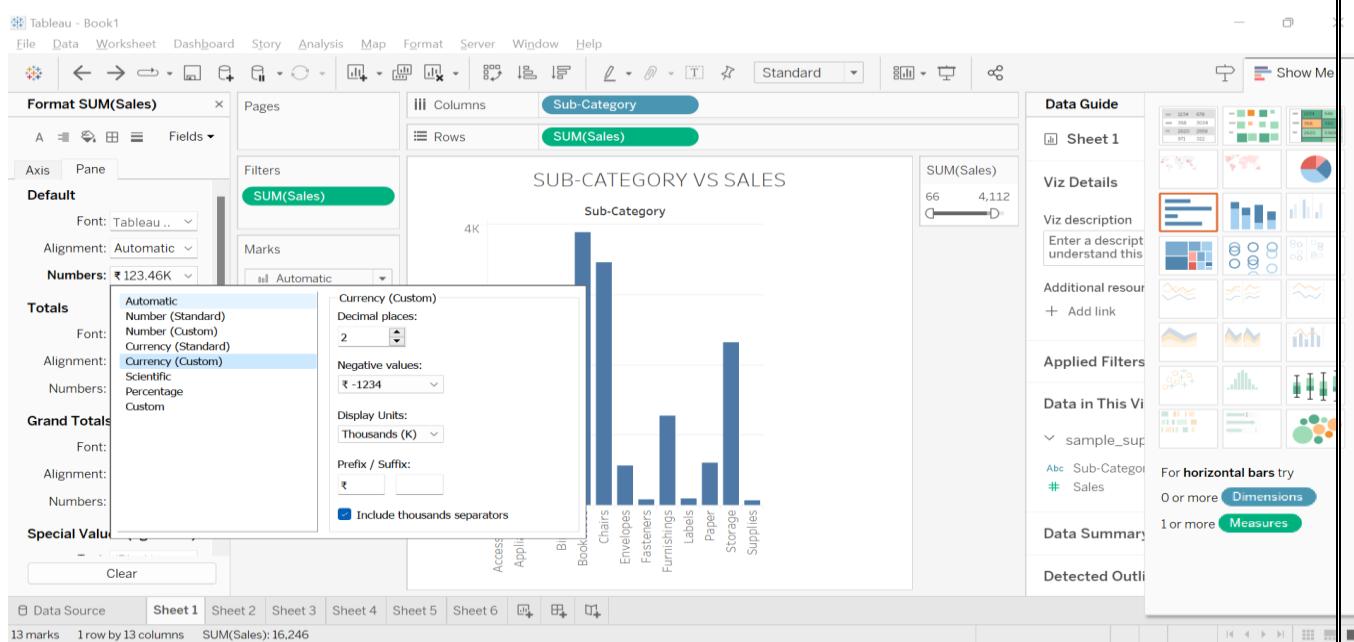
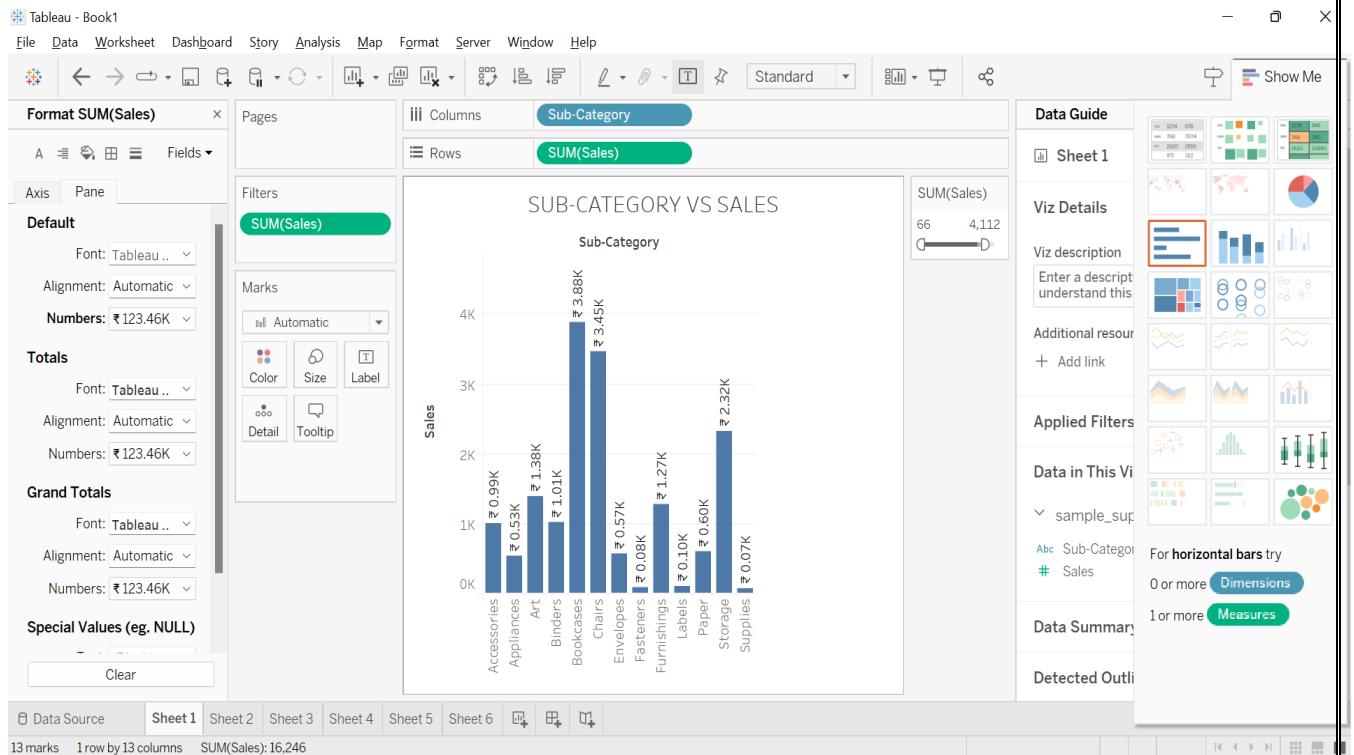


## 2) Apply dimension filter, context and measure filter on any of the three visualizations

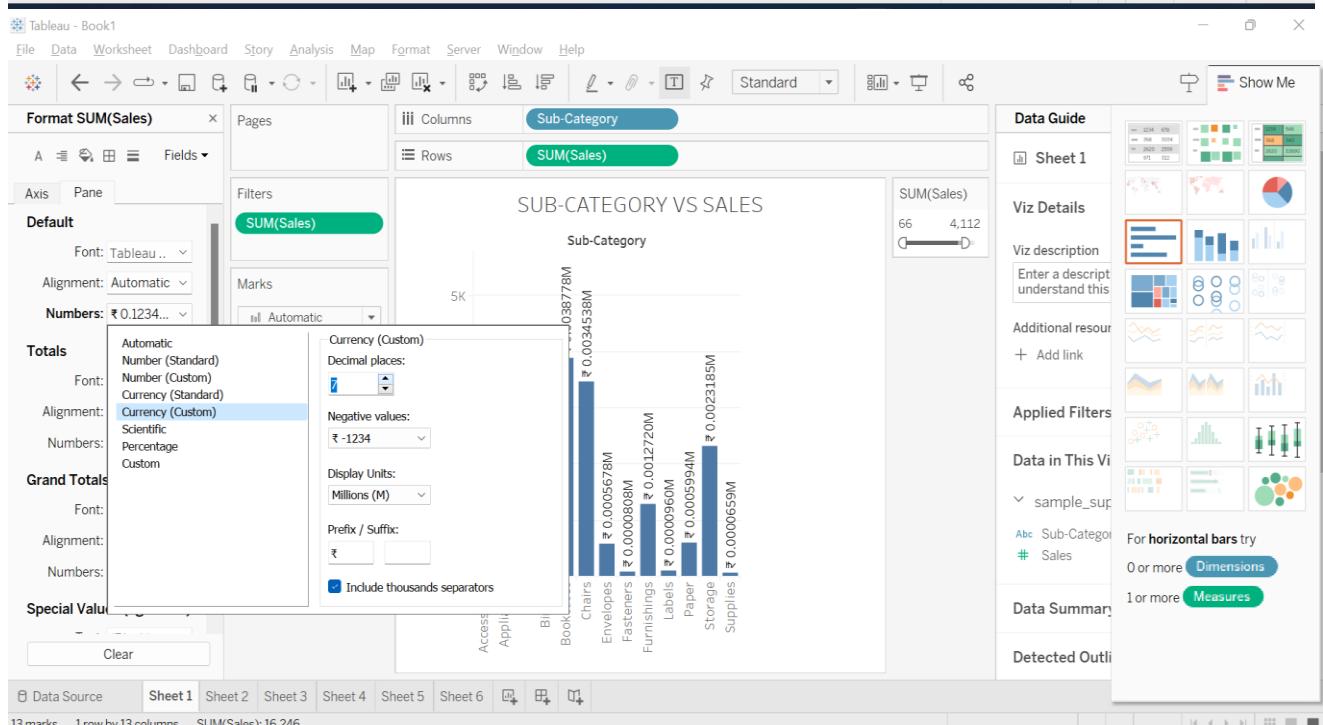
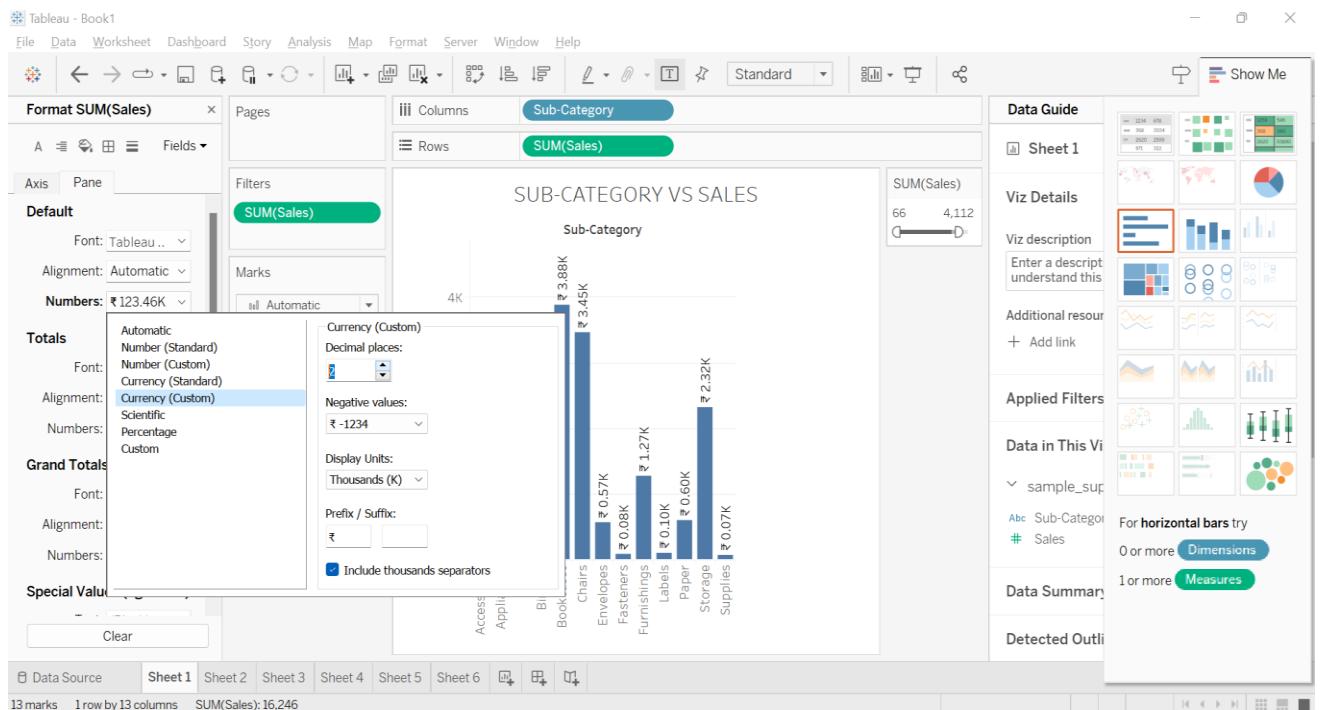
### DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:



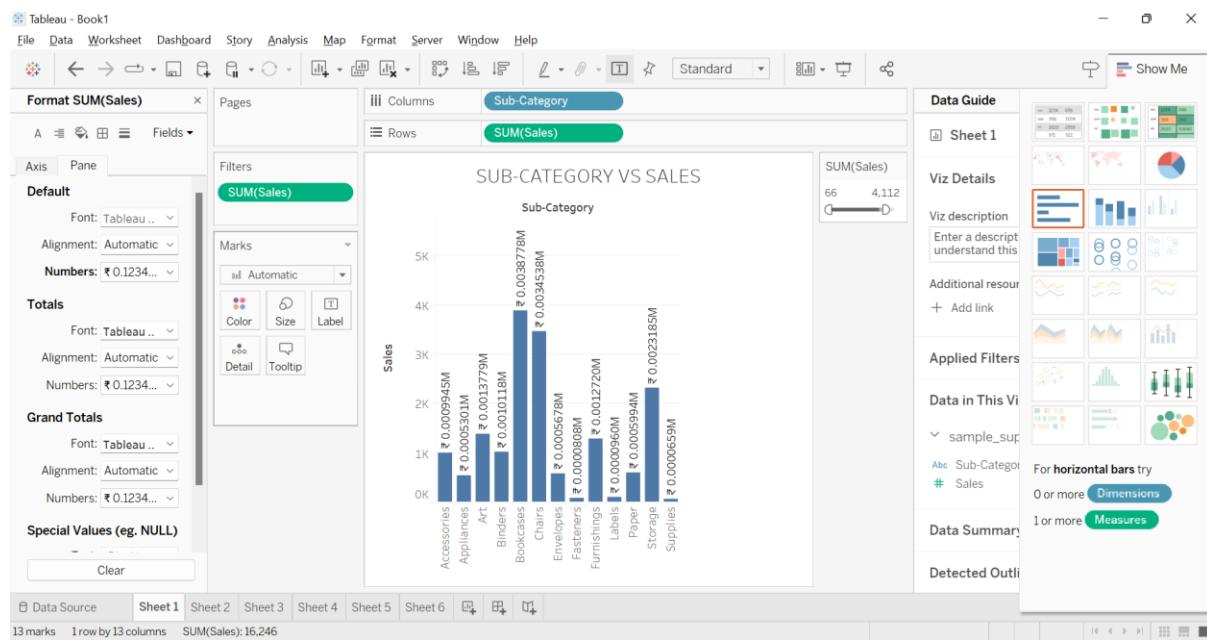
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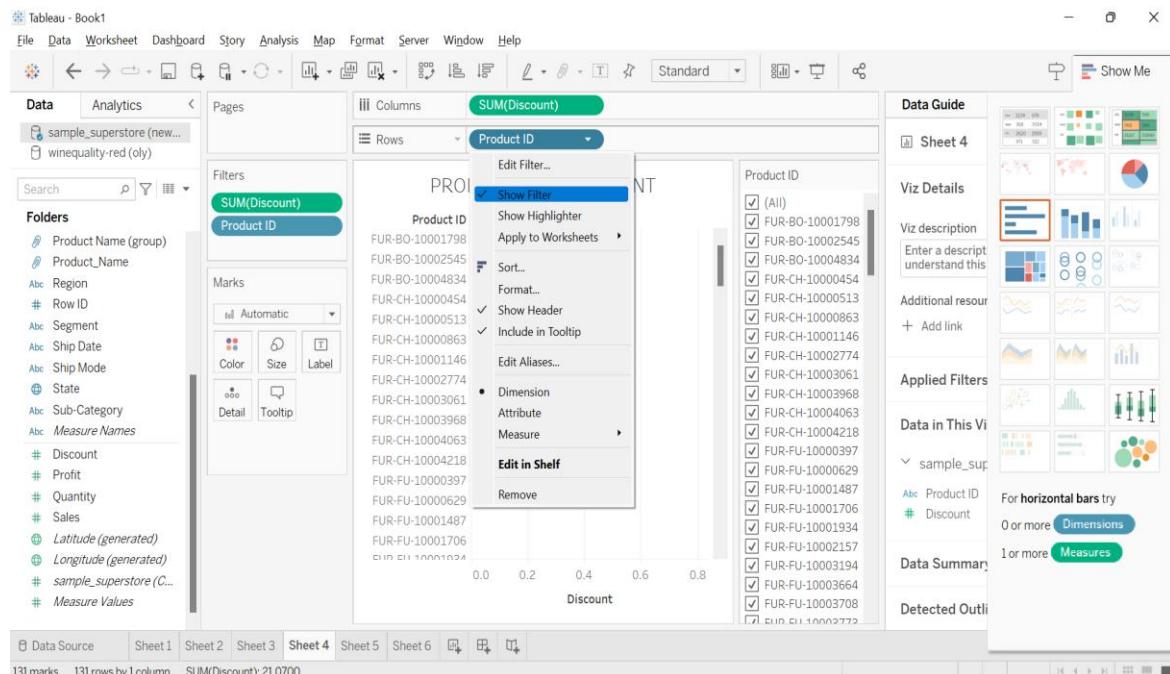
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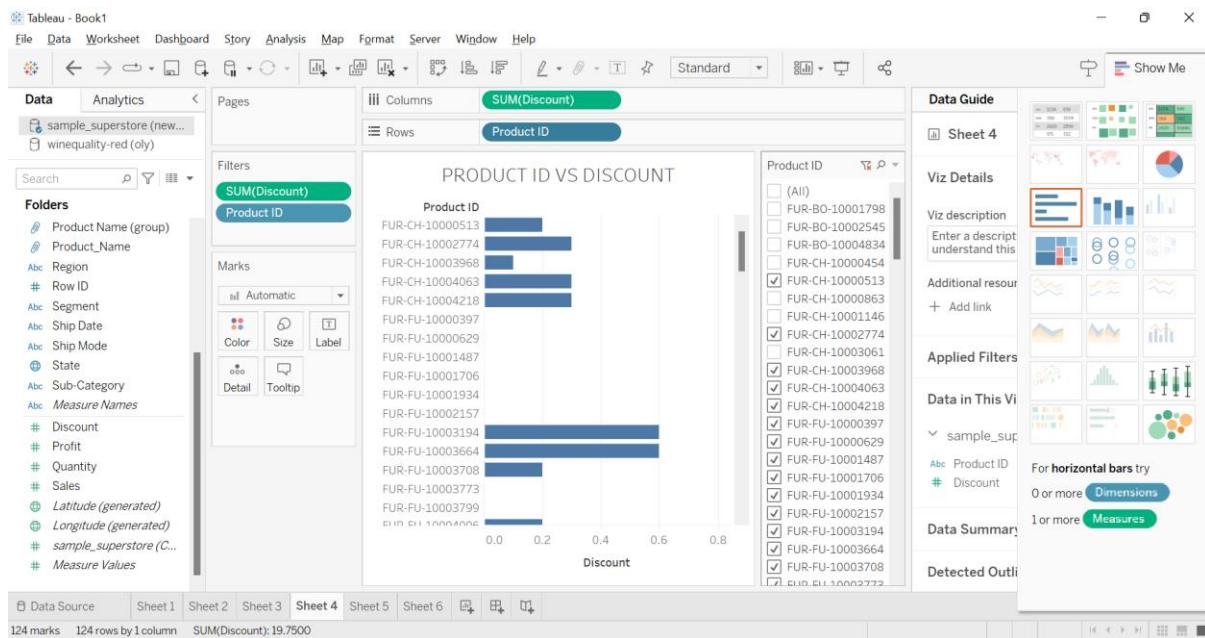
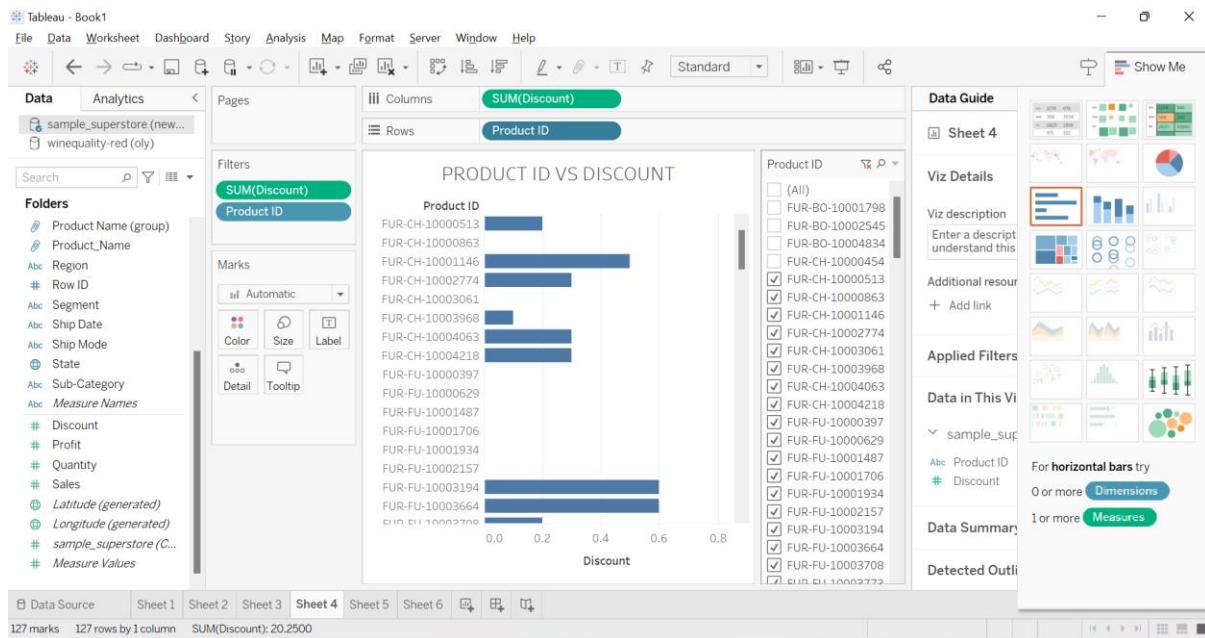
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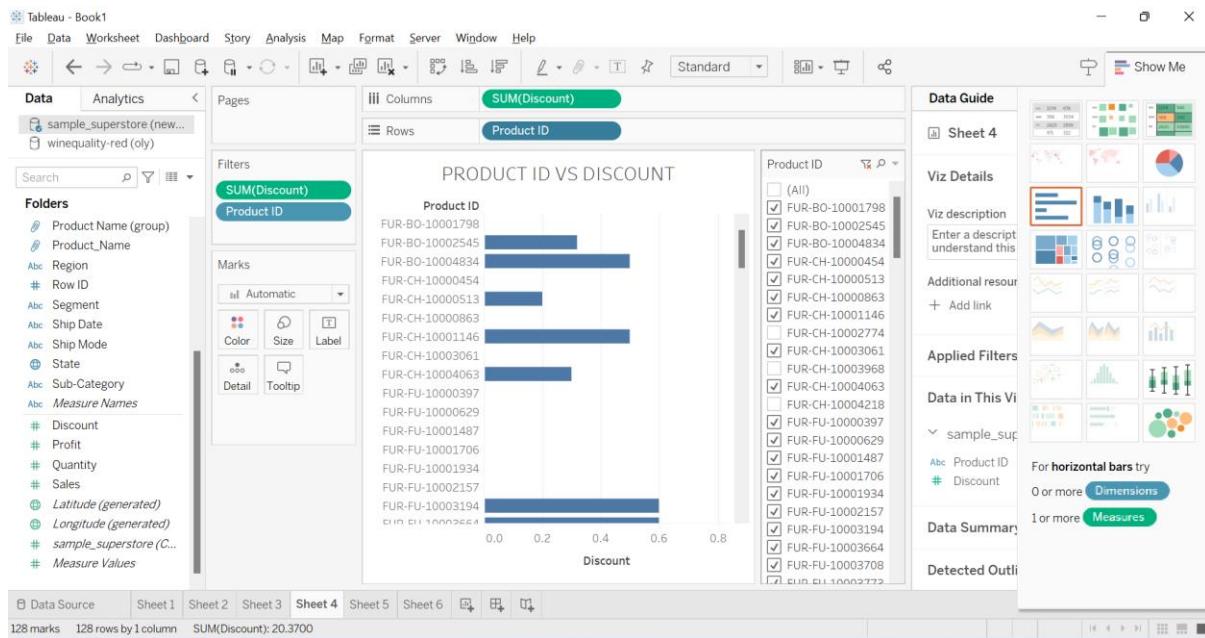
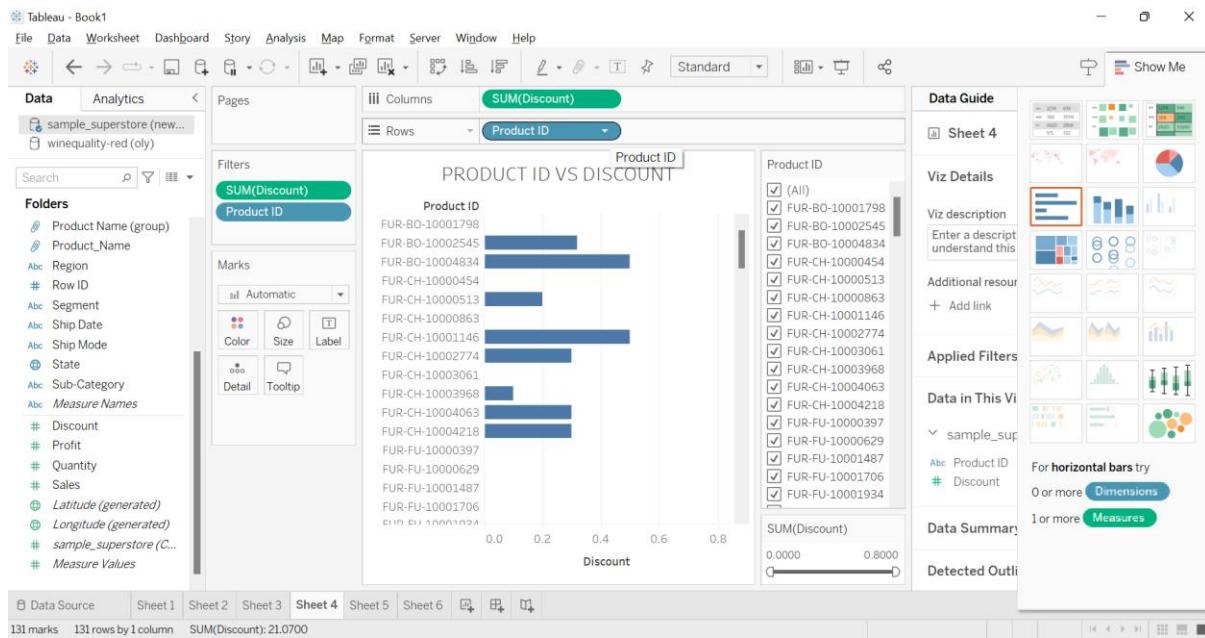
## CONTEXT FILTER ON HORIZONTAL BAR GRAPH:



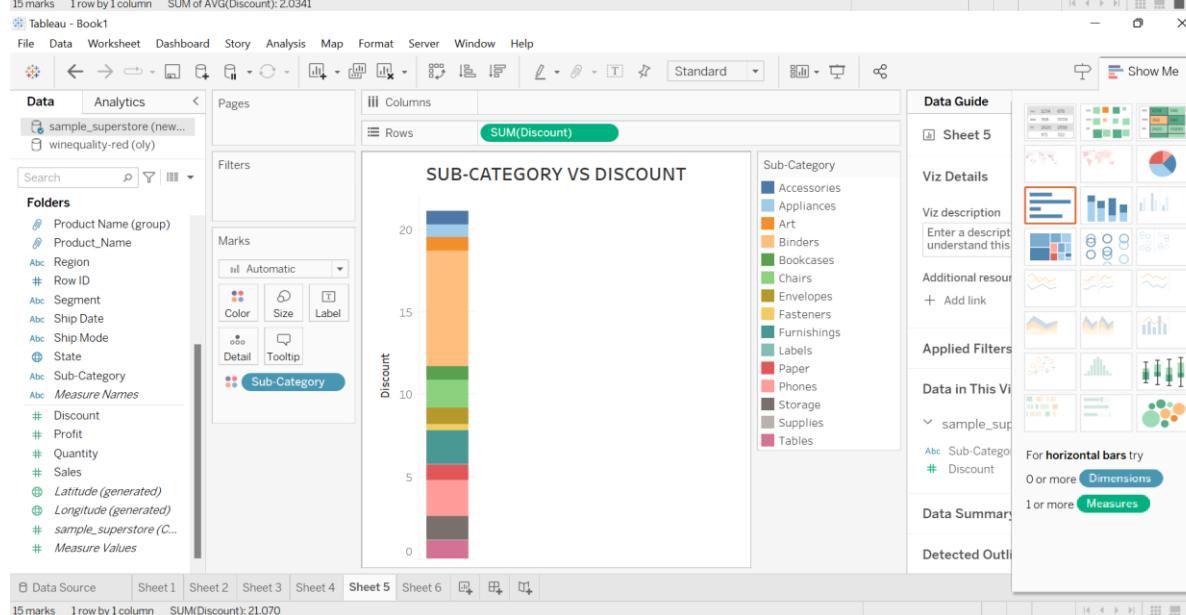
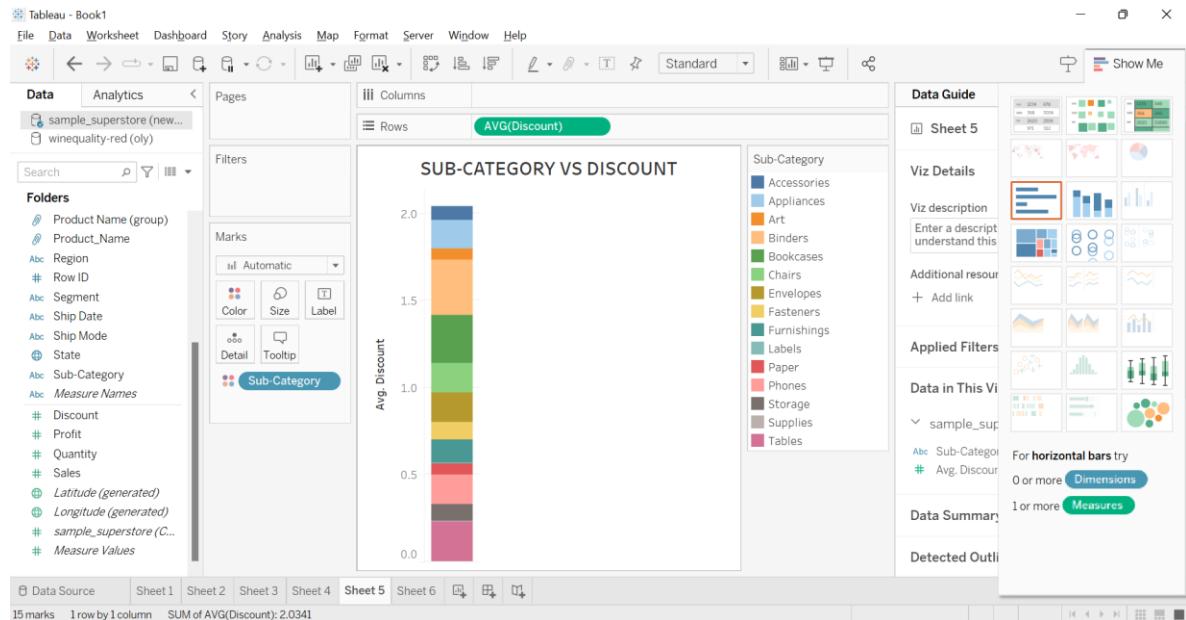
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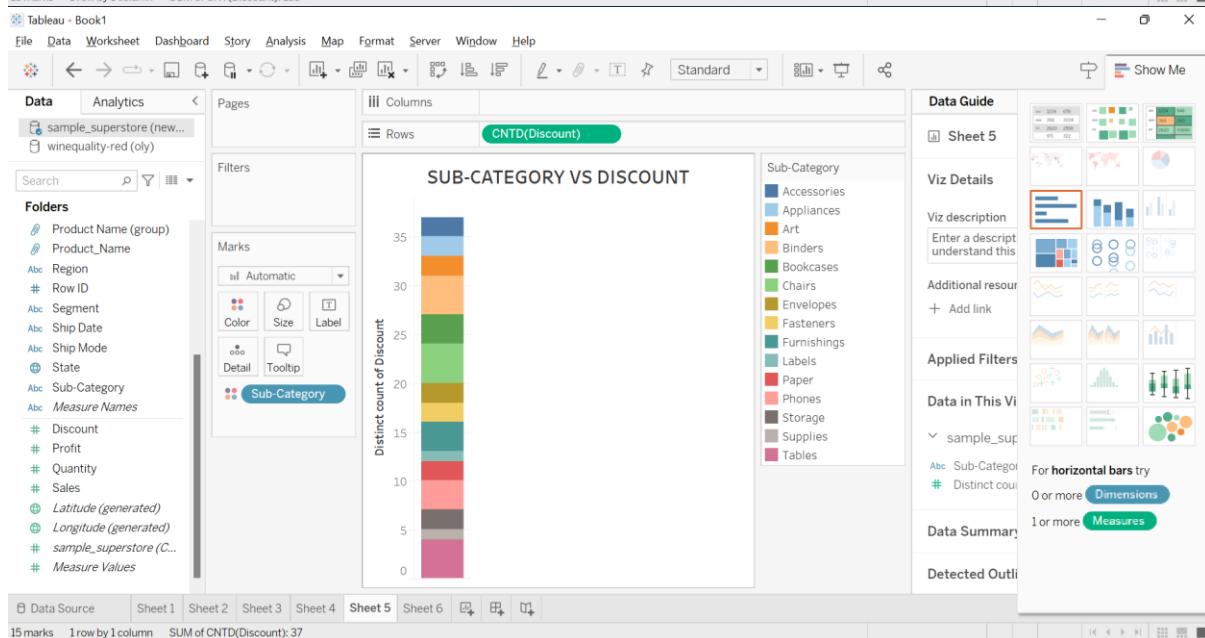
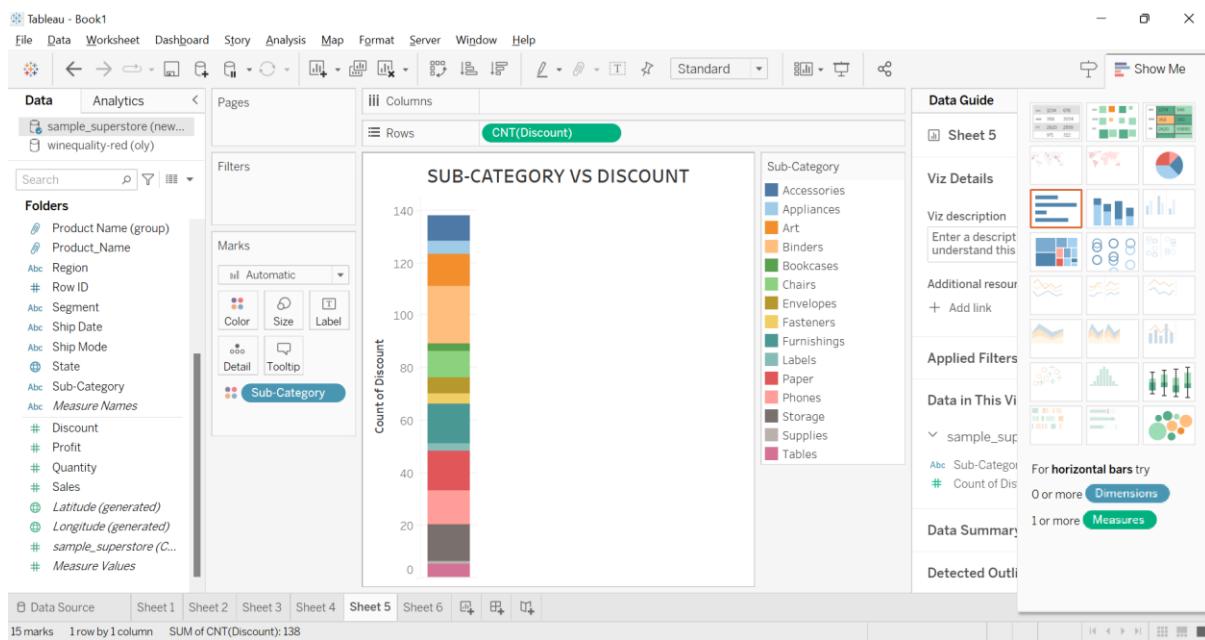
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## MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:



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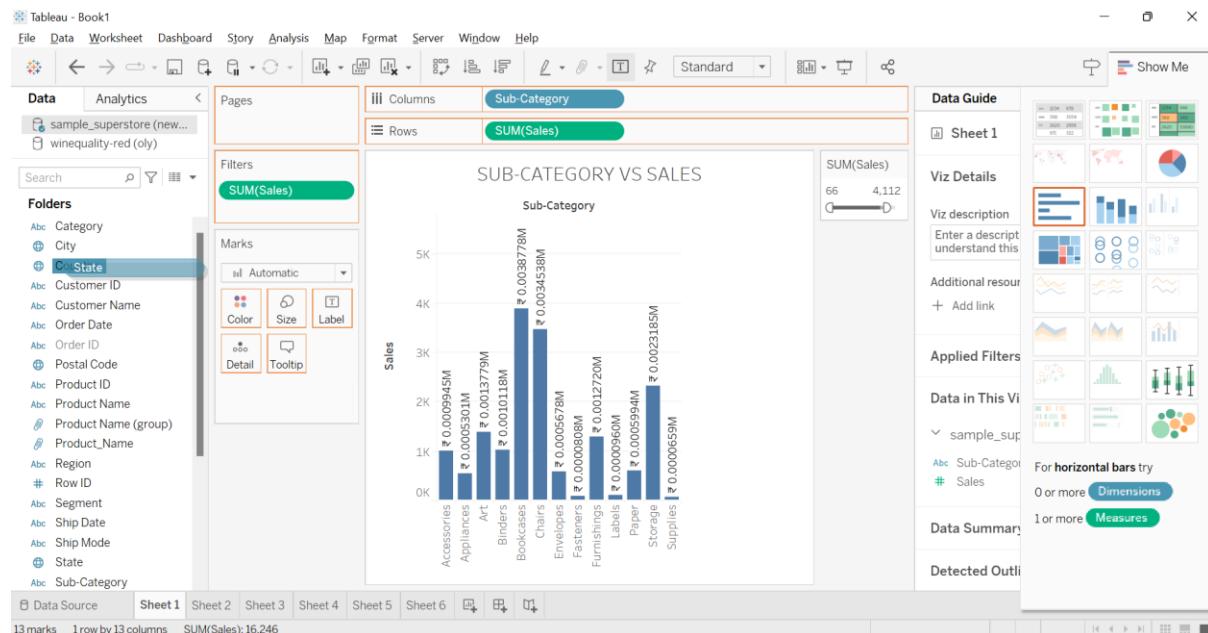


### 3) Perform the following data manipulations on your dataset

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

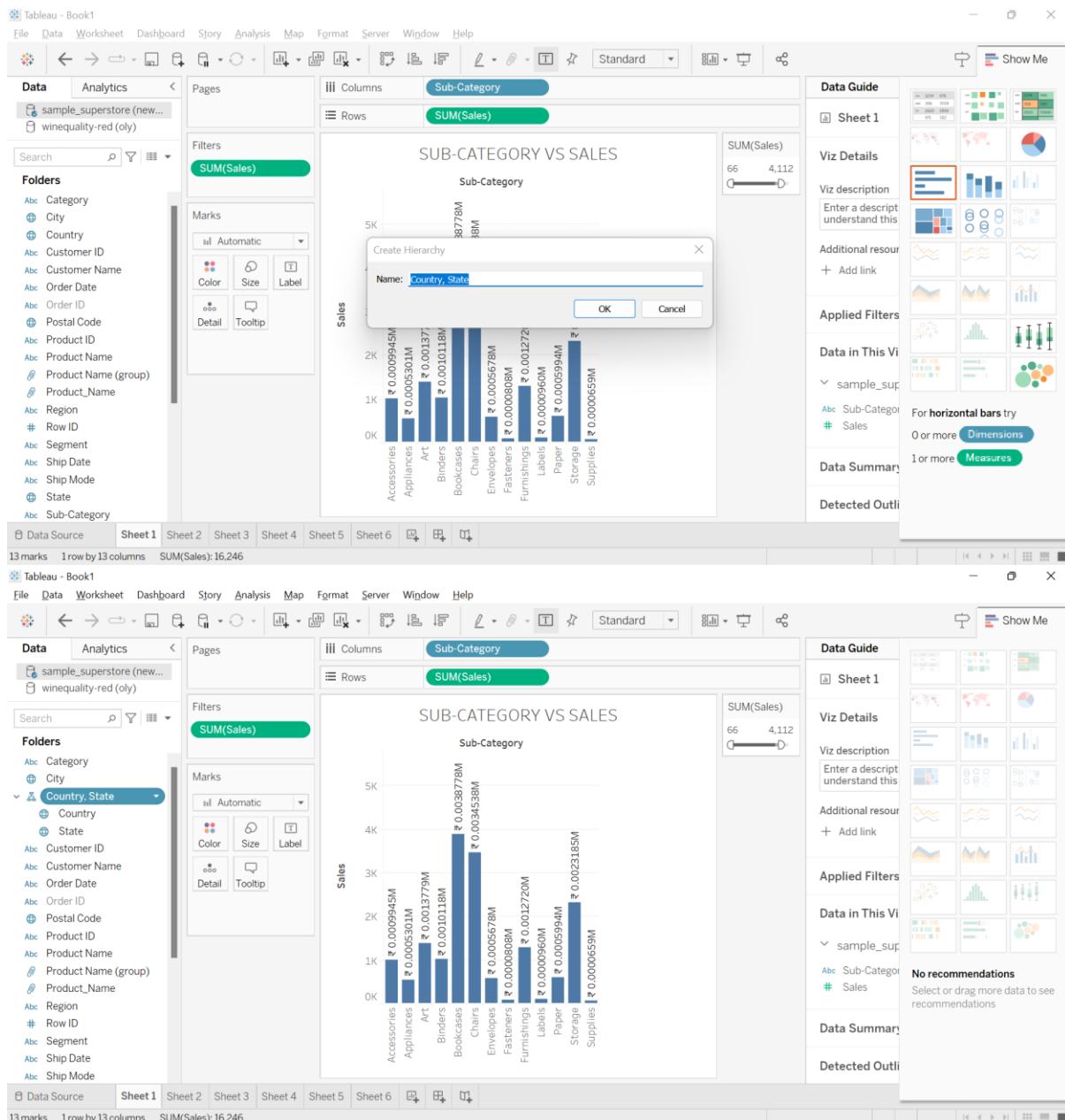
#### Create hierarchy:

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:



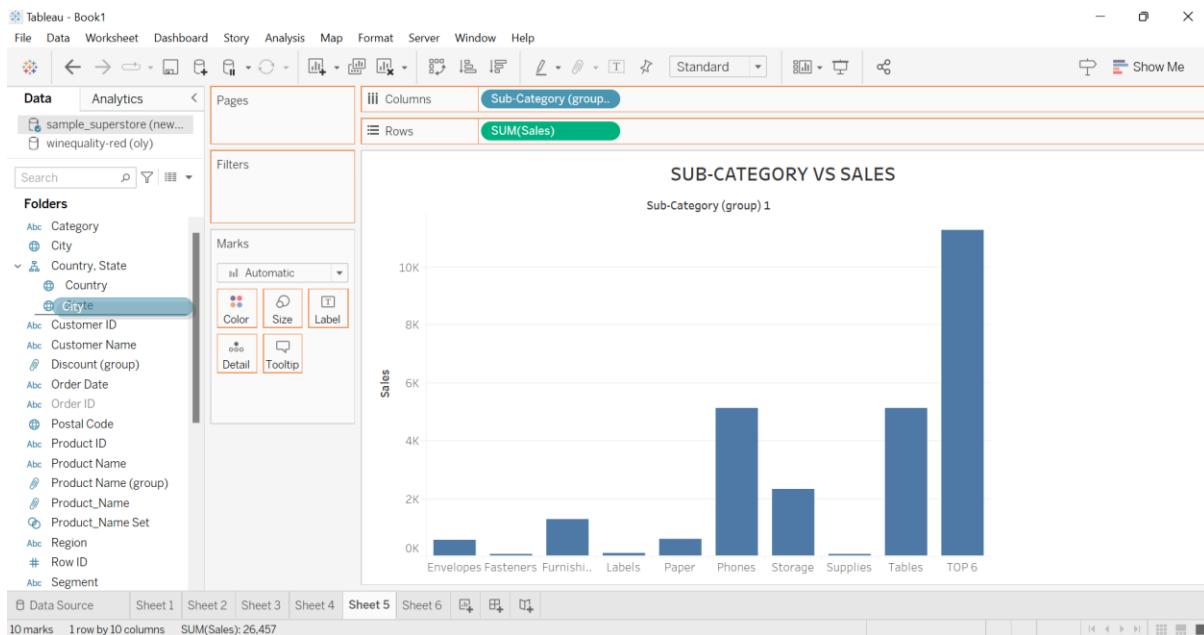
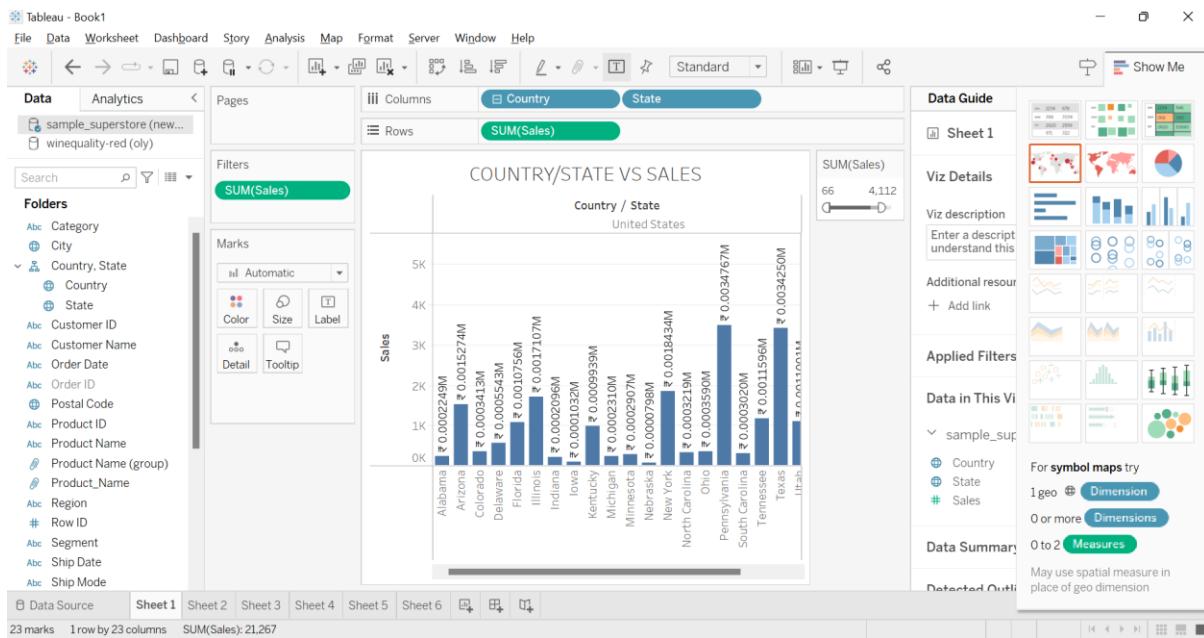
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## KODAKANTI PRASANTH

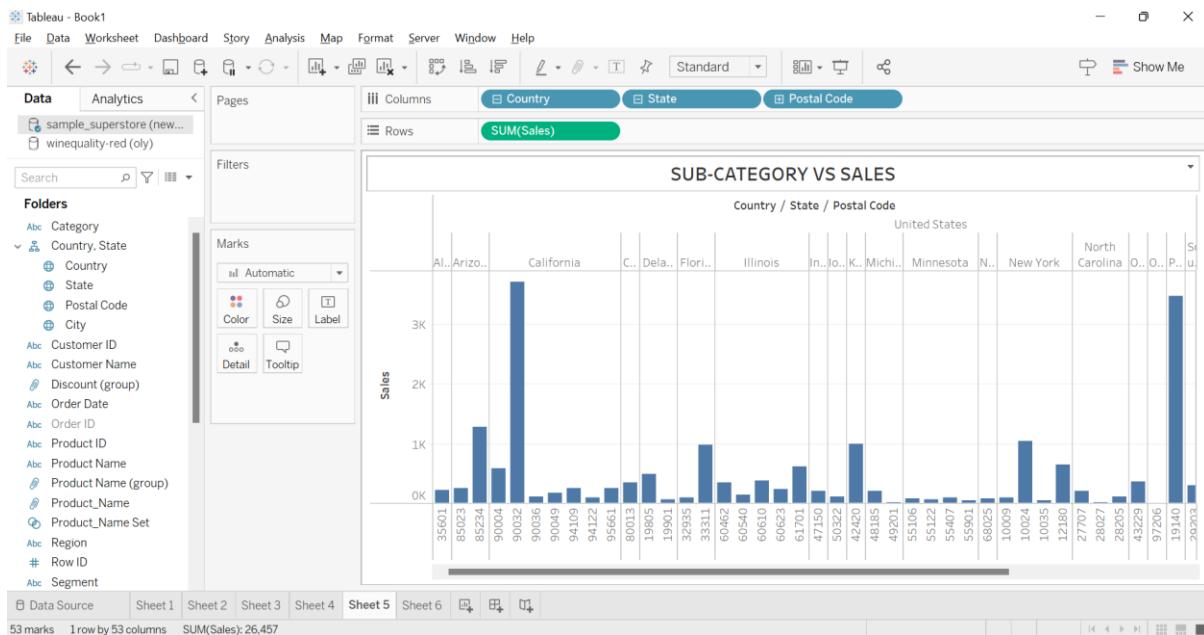
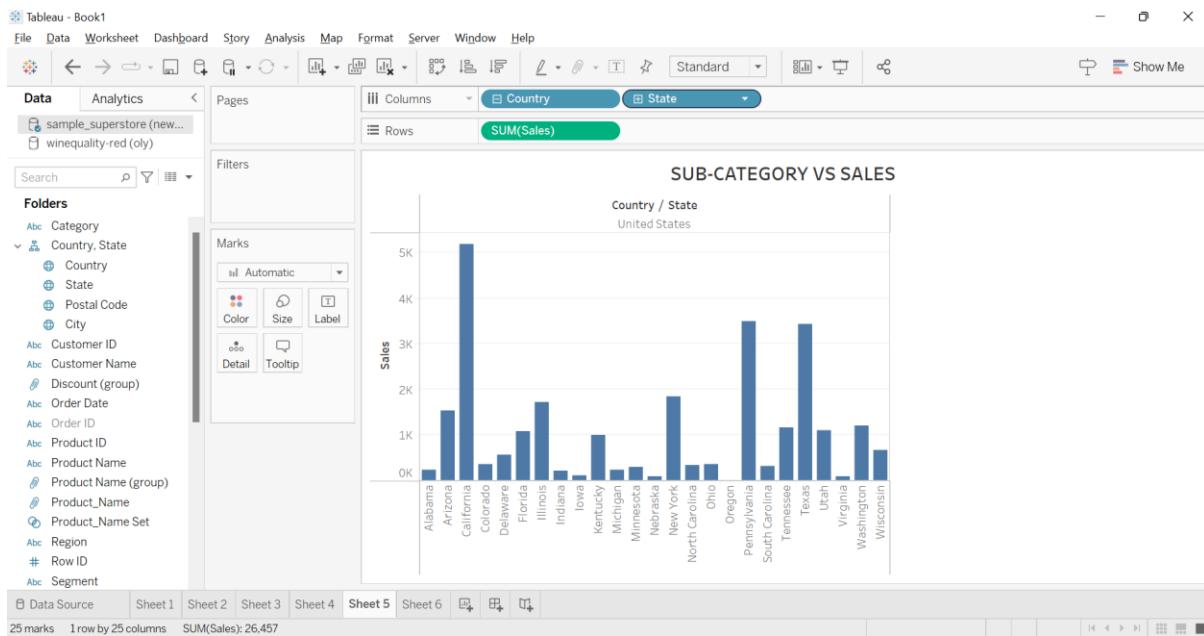


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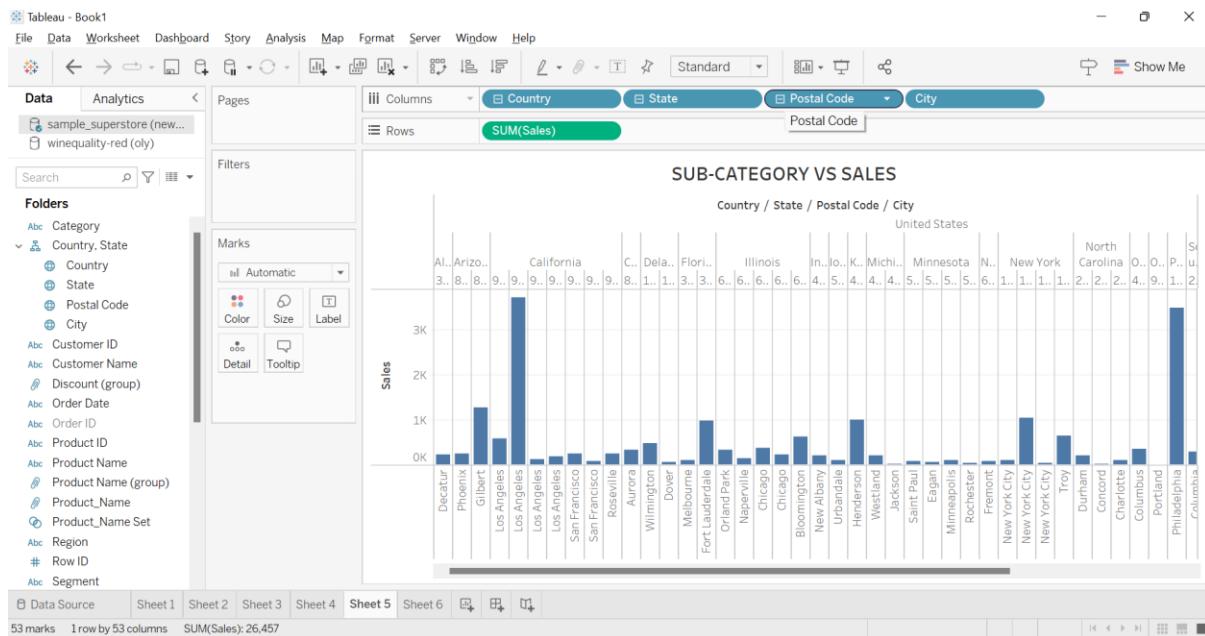
## KODAKANTI PRASANTH



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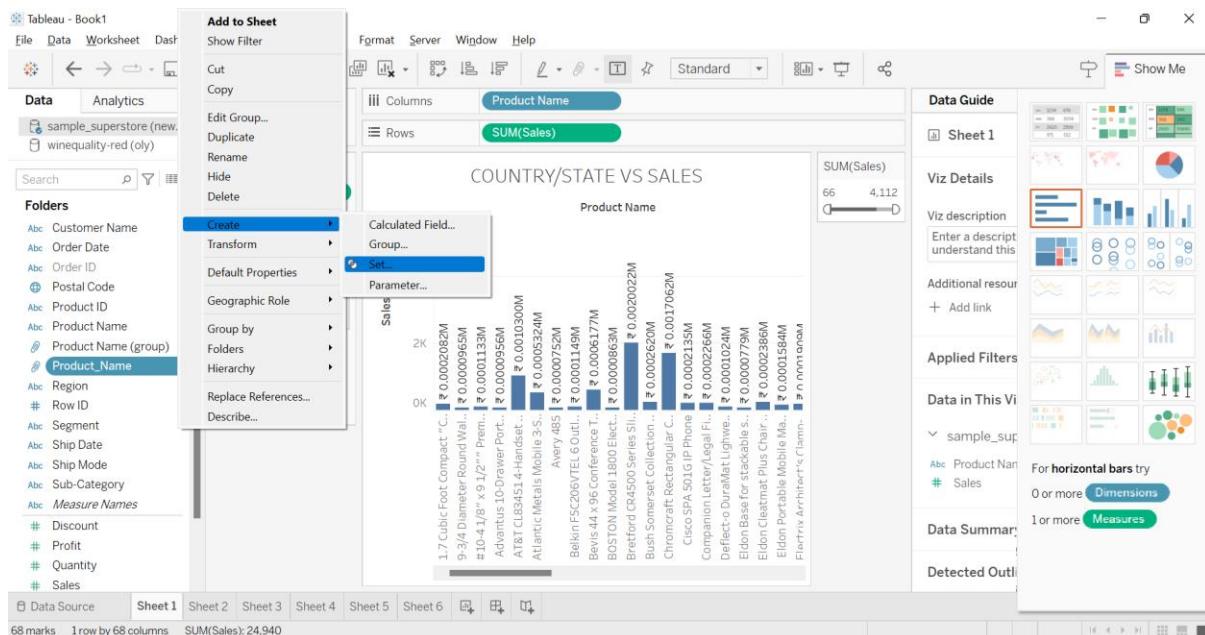


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### Create a set:

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



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**Tableau - Book1**

**Data Analytics**

**sample\_superstore (new...)**

**winequality-red (oly)**

**Search**

**Folders**

- Abc Customer Name
- Abc Order Date
- Abc Order ID
- Postal Code
- Abc Product ID
- Abc Product Name
- Product Name (group)
- Product\_Name**
- Region
- # Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category
- Measure Names
- # Discount
- # Profit
- # Quantity
- # Sales

**Pages**

**Filters**

**Marks**

**Sales**

**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

17 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 Pins

Anker 30W 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**

**Sheet 1**

**Viz Details**

Viz description Enter a description understand this

Additional resources + Add link

**Applied Filters**

**Data in This View**

sample\_sup...  
Abc Product Name  
# Sales  
For horizontal bars try  
0 or more Dimensions  
1 or more Measures

**Data Summary**

**Detected Outliers**

66 4,112

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

**Tableau - Book1**

**Data Analytics**

**sample\_superstore (new...)**

**winequality-red (oly)**

**Search**

**Folders**

- Abc Customer Name
- Abc Order Date
- Abc Order ID
- Postal Code
- Abc Product ID
- Abc Product Name
- Product Name (group)
- Product\_Name**
- Region
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- Ship Mode
- Sub-Category
- Measure Names
- # Discount
- # Profit
- # Quantity
- # Sales

**Pages**

**Filters**

**Marks**

**Sales**

**Create Set**

Name: Product\_Name Set

General Condition Top

None  By field:  
Top 10 by Sales Sum

By formula:  
Top 10 by

All None Exclude

Reset OK Cancel

**Data Guide**

**Sheet 1**

**Viz Details**

Viz description Enter a description understand this

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sample\_sup...  
Abc Product Name  
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For horizontal bars try  
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**Tableau - Book1**

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**sample\_superstore (new...)**

**winequality-red (oly)**

**Search**

**Folders**

- Abc Customer Name
- Abc Order Date
- Abc Order ID
- Postal Code
- Abc Product ID
- Abc Product Name
- Product Name (group)
- Product\_Name**
- Product\_Name Set
- Region
- # Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category
- Measure Names
- # Discount
- # Profit
- # Quantity

**Pages**

**Columns** **Product Name**

**Rows** **SUM(Sales)**

**Marks**

**Sales**

**PRODUCT NAME VS SALES**

**Product Name**

Product Name	Sales
1.7 Cubic Foot Compact "C"	₹ 0.000082M
9-3/4 Diameter Round Wall Clock	₹ 0.000095M
Advantus 10-Drawer Portable...	₹ 0.000133M
A17 CL83451 4-Handset...	₹ 0.000056M
Atlantic Metal Mobile S...	₹ 0.000103M
Avery 4851 10-Outlet Power...	₹ 0.000523M
Belkin F5C206WTELEGout...	₹ 0.000175M
Benz 449 96 Conference T...	₹ 0.000114M
BOSTON Model 1800 Elect...	₹ 0.000617M
Bretford CR4500 Sales Sh...	₹ 0.000065M
Bush Somers Collection...	₹ 0.000202M
Chronicle Rectangular C...	₹ 0.000620M
Cisco SPA 501G IP Phone	₹ 0.000217M
Companion Letter/Legal F...	₹ 0.000026M
Deflect-o DuraMat Linewe...	₹ 0.000102M
Eldon Bayfor Stackable S...	₹ 0.000077M
Eldon Chairmat Blue Chair	₹ 0.000238M
Elton Portable Mobile Ma...	₹ 0.000058M
Electrix Architect's Clamp...	₹ 0.000090M
Fellowes Basic Home/Offic...	₹ 0.000077M
Fellowes R220 Plastic Co...	₹ 0.000408M
GBC BindMaster 390 Electric...	₹ 0.000055M
GBC Wire Binding Strips	₹ 0.000057M
GE 205-24E4A	₹ 0.000209M
Global Deluxe High Back M...	₹ 0.000600M
Global Deluxe Stacking Ch...	₹ 0.000071M
Global Deluxe Manager's C...	₹ 0.000021M
Global Leather Task Chair	₹ 0.000090M
Global Task Chair, Black	₹ 0.000081M
Globe Value Mid-Back Ma...	₹ 0.000021M
Globe Was Piel Seal Fr...	₹ 0.000150M
Gould Plastics 9-Point Pa...	₹ 0.000212M
High-Back Executive Manag...	₹ 0.000083M
Holmes Reinforcement Fib...	₹ 0.000000M

**Data Guide**

**Sheet 1**

**Viz Details**

Viz description Enter a description understand this

Additional resources + Add link

**Applied Filters**

**Data in This View**

sample\_sup...  
Abc Product Name  
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For horizontal bars try  
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1 or more Measures

**Data Summary**

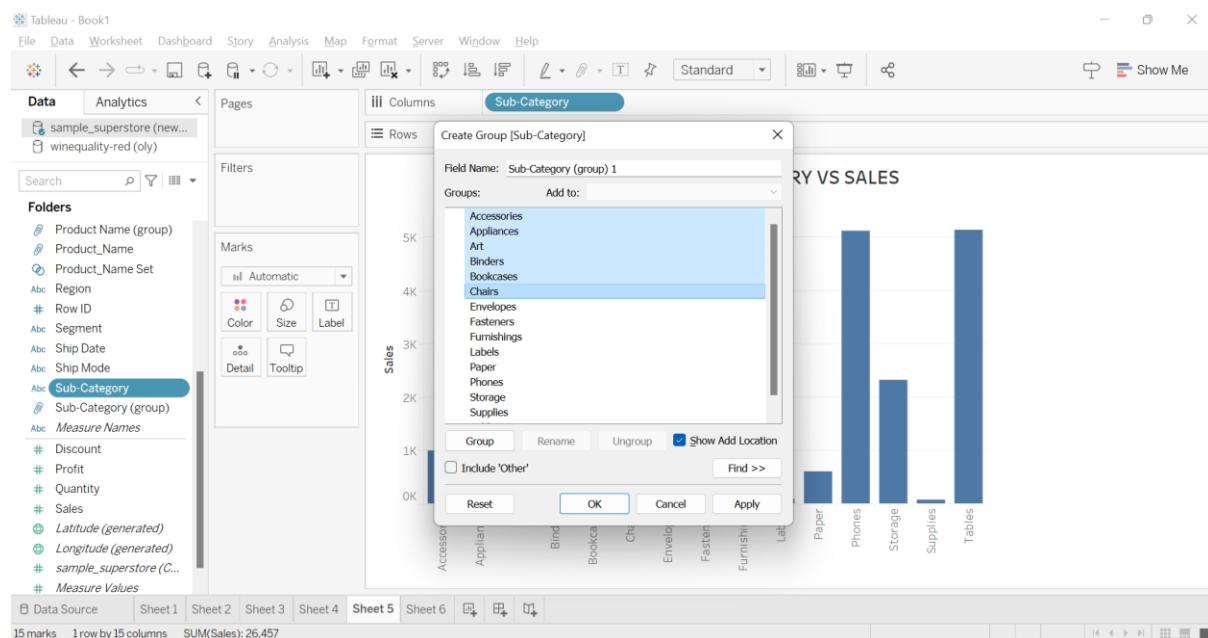
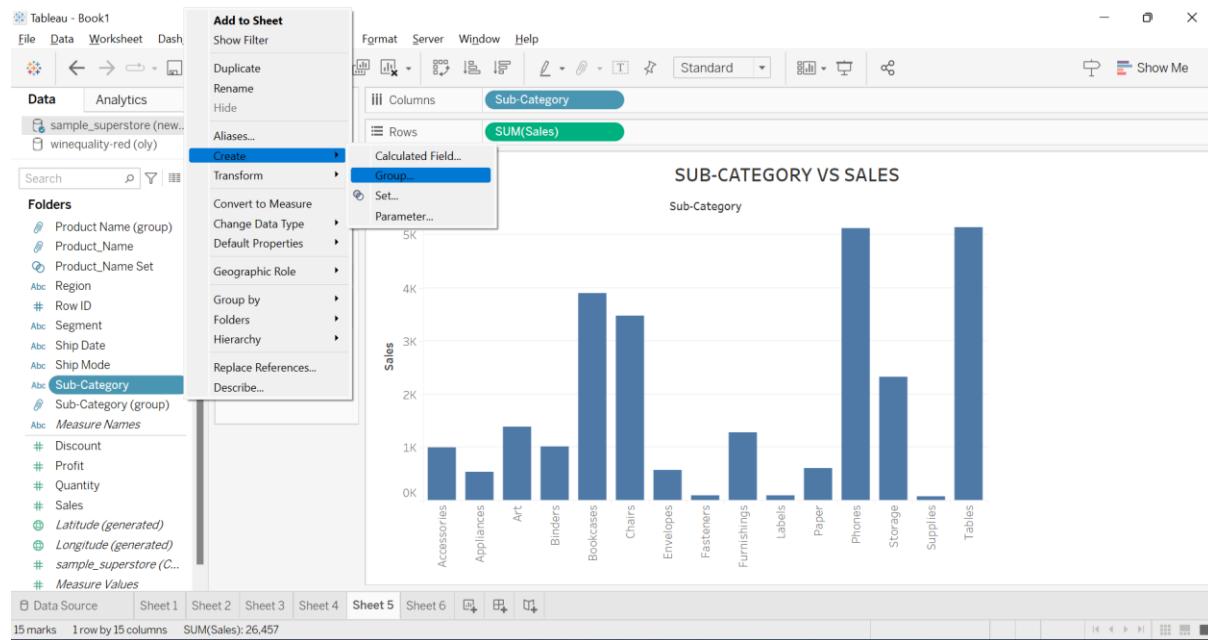
**Detected Outliers**

66 4,112

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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