

ANFINSE JOSEPH  
20BAI10192

# SMART BRIDGE DATA ANALYTICS

## ASSIGNMENT -2

NAME- ANFINSEN JOSEPH

REGISTRATION NUMBER- 20BAI10192

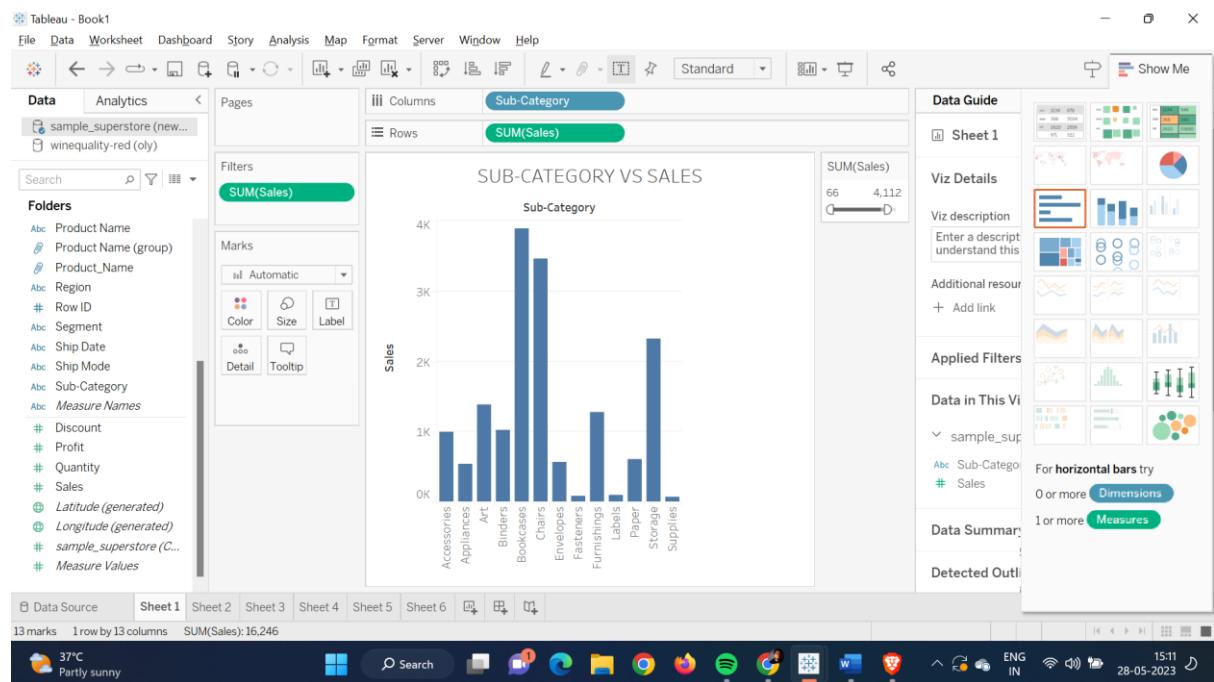
## **Tasks:**

- 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**

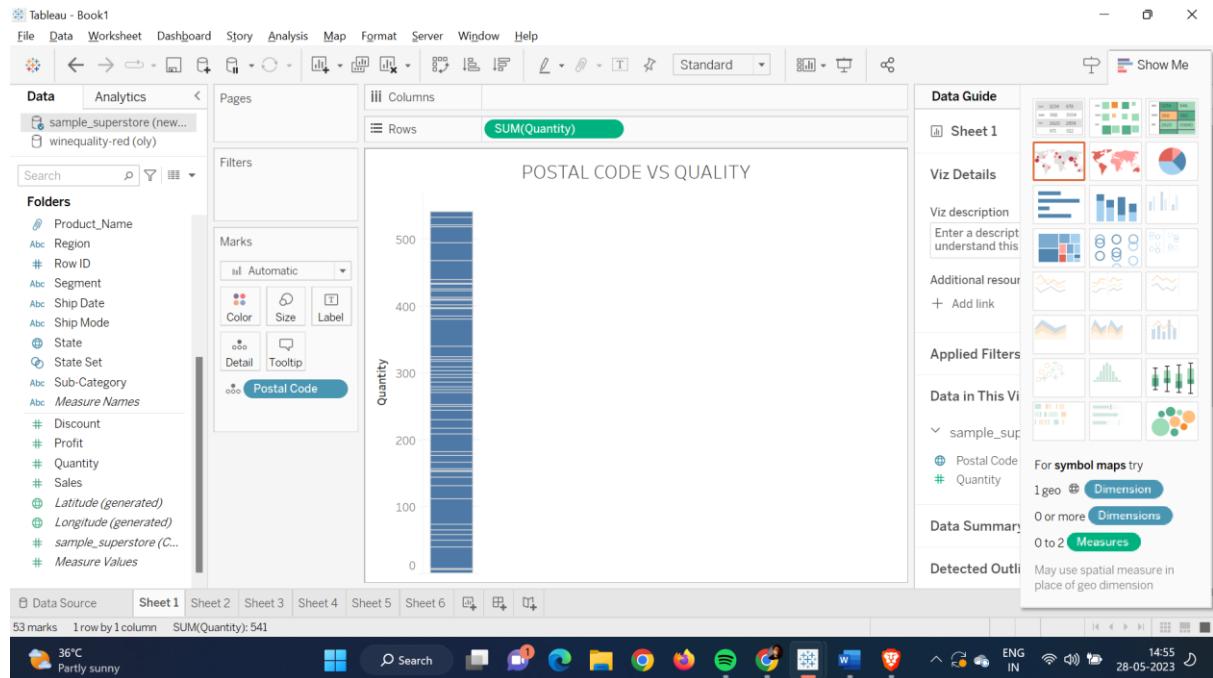
#### **Bar graph on Sub category-sales data:**

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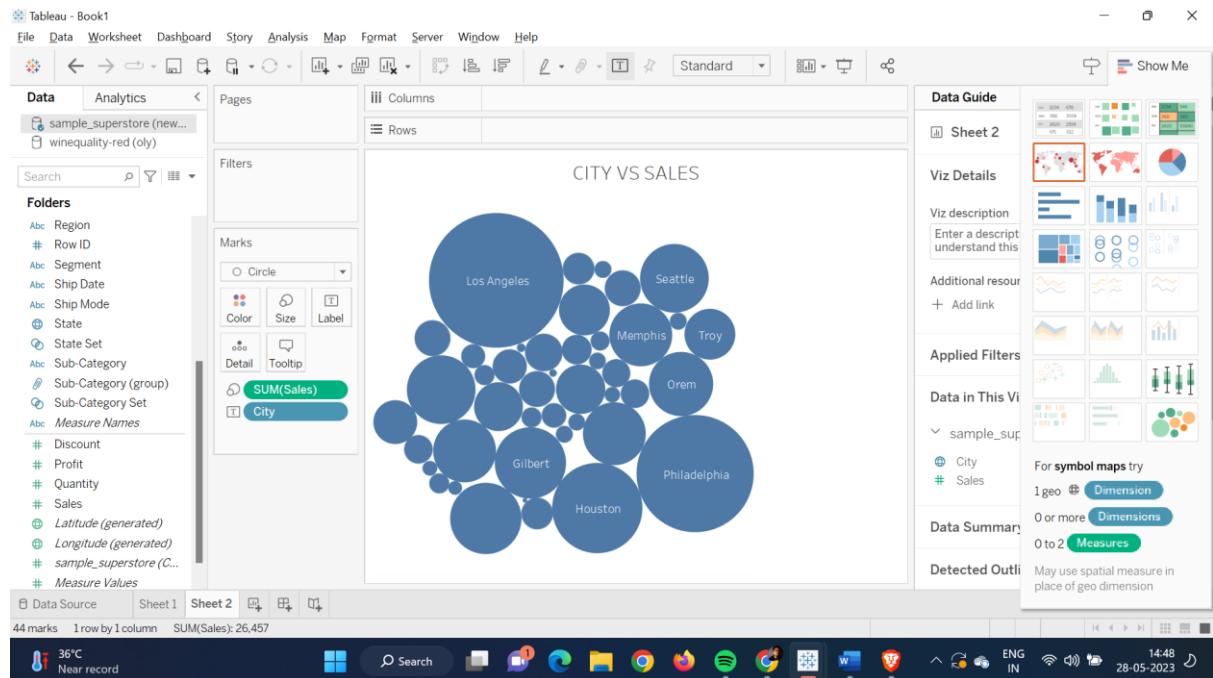


### Stacked bar graph on Postal code vs quality data:

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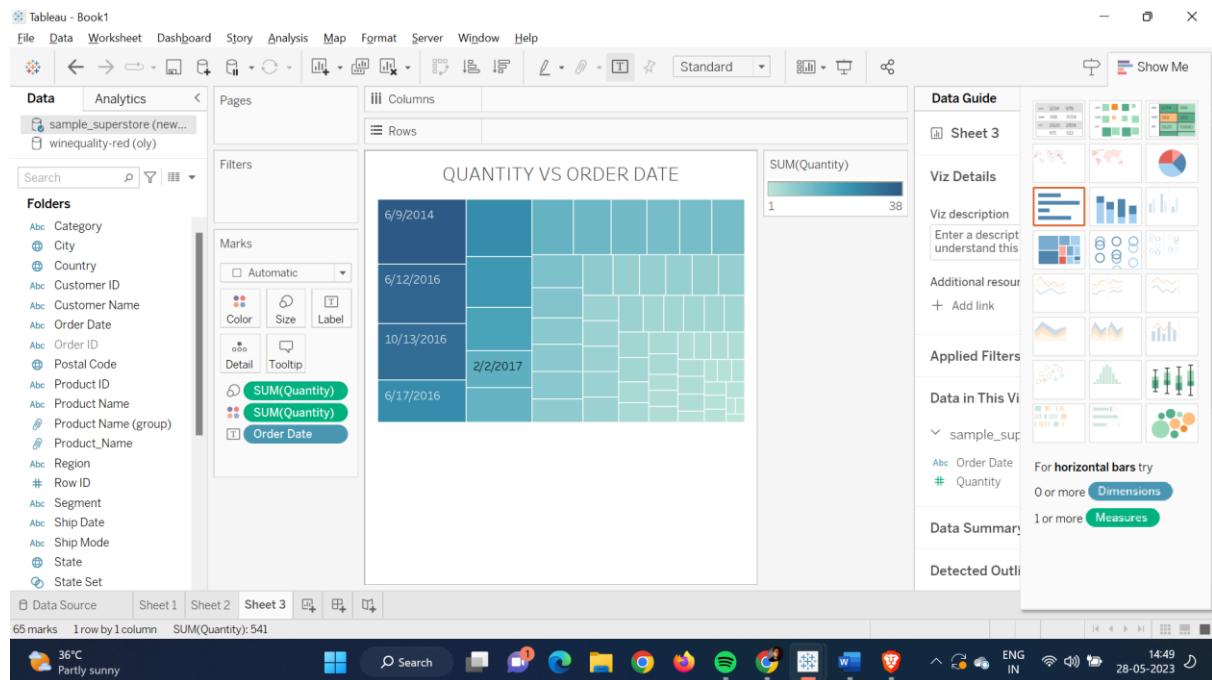


## Packed bubble City vs sales data:

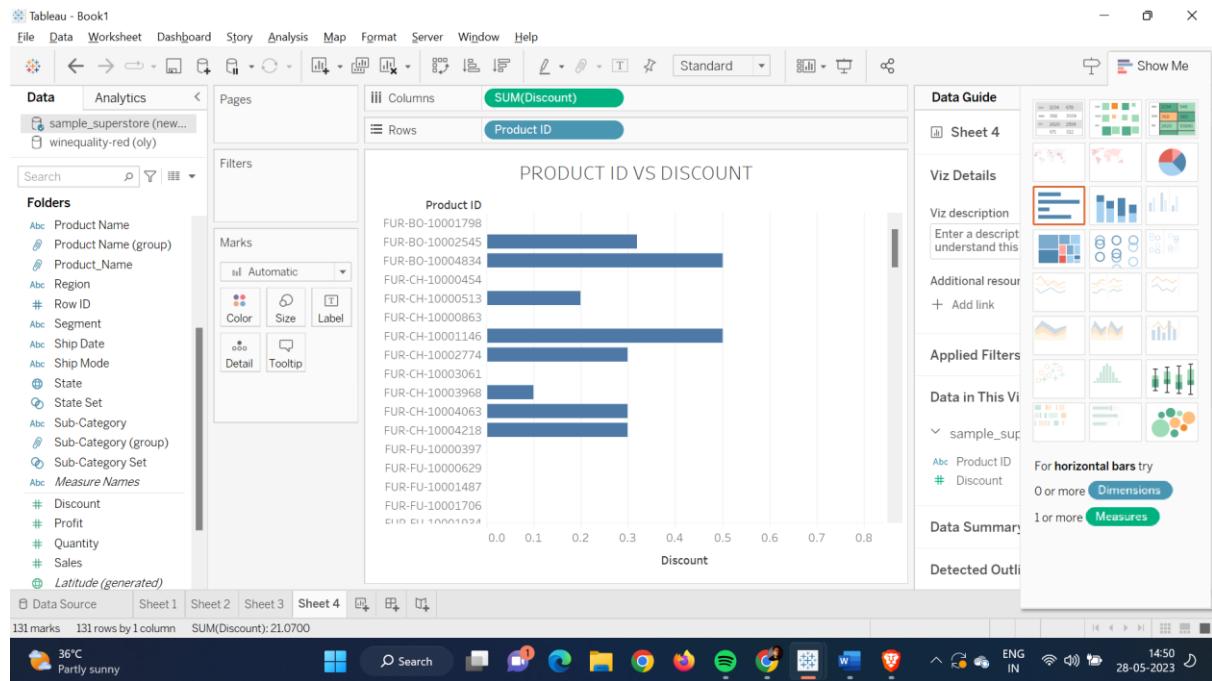


## **Tree map graph on Quantity vs Order Date data:**

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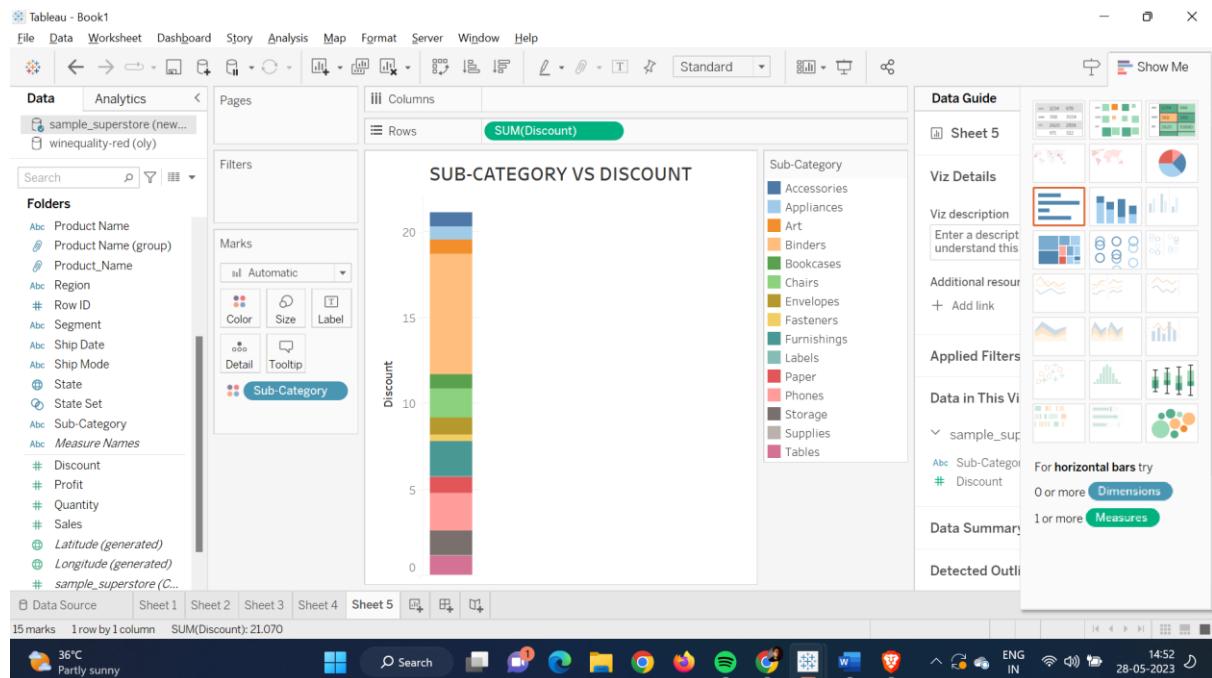


## Horizontal maps on state-quantity data:

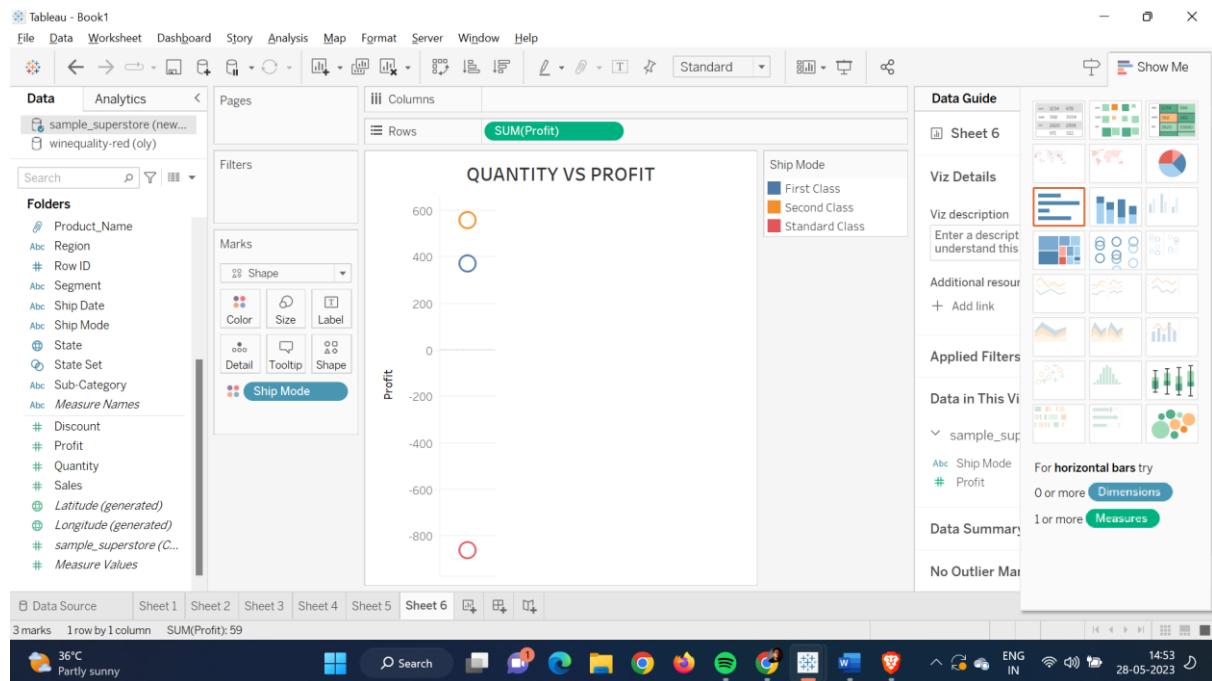


## Heat maps on sub category vs discount data:

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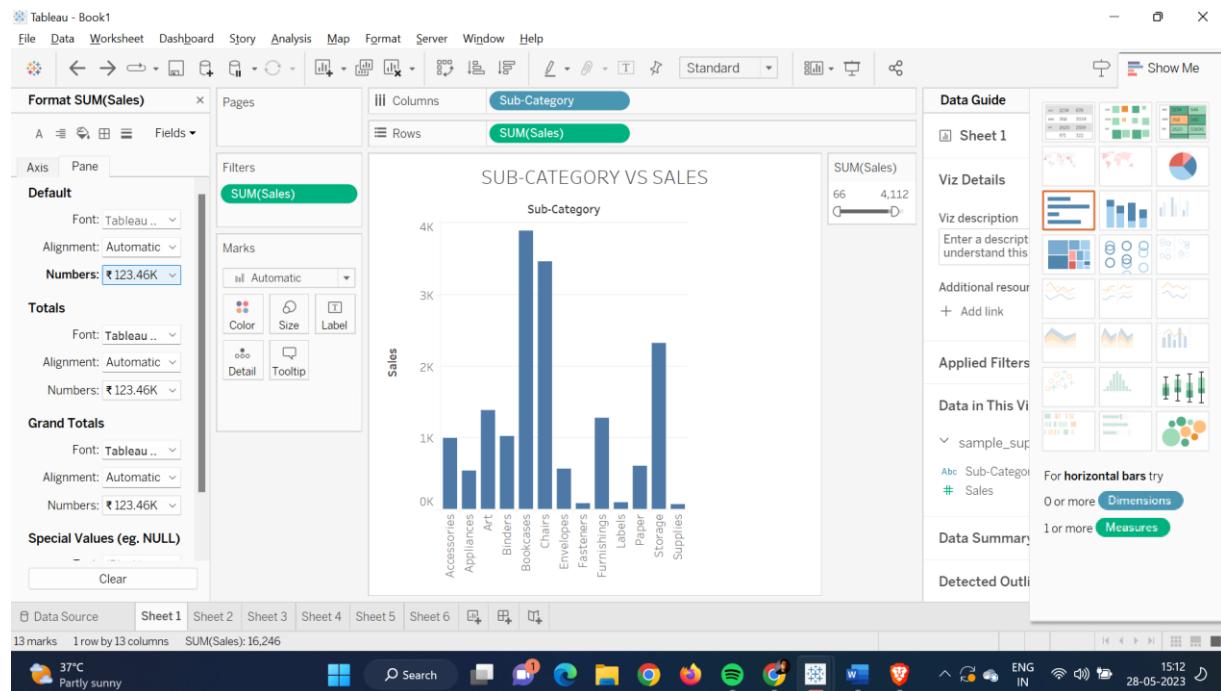
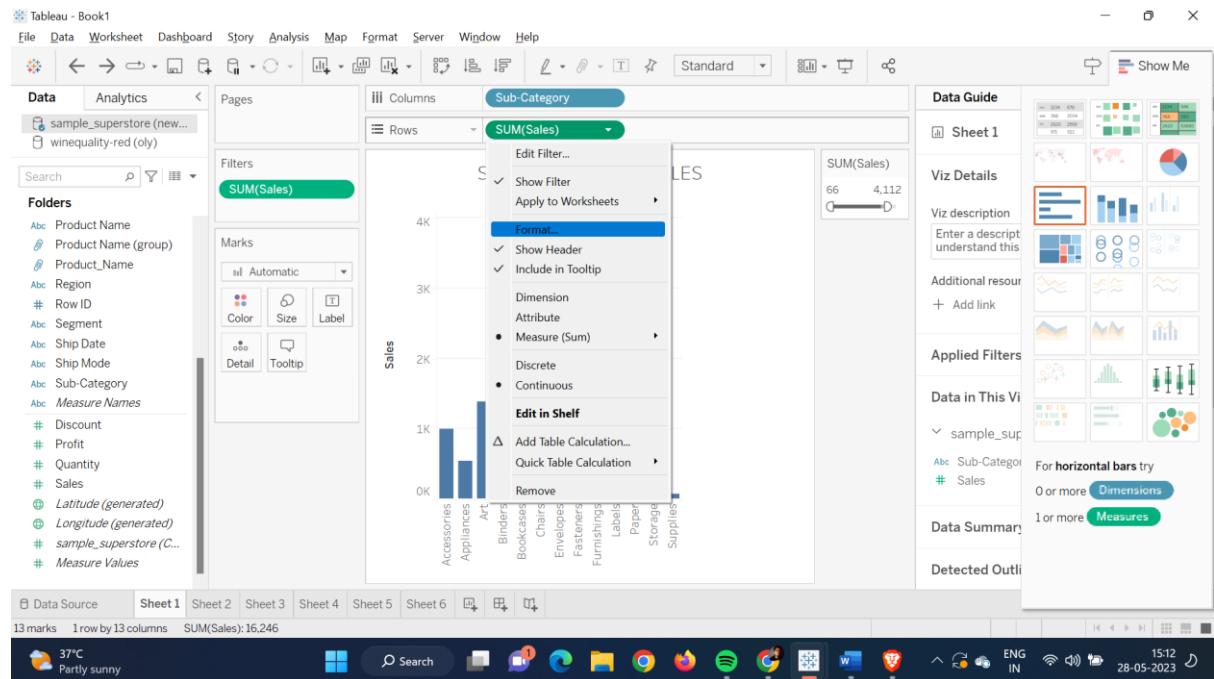
### Circle views on Quantity vs Profit data:



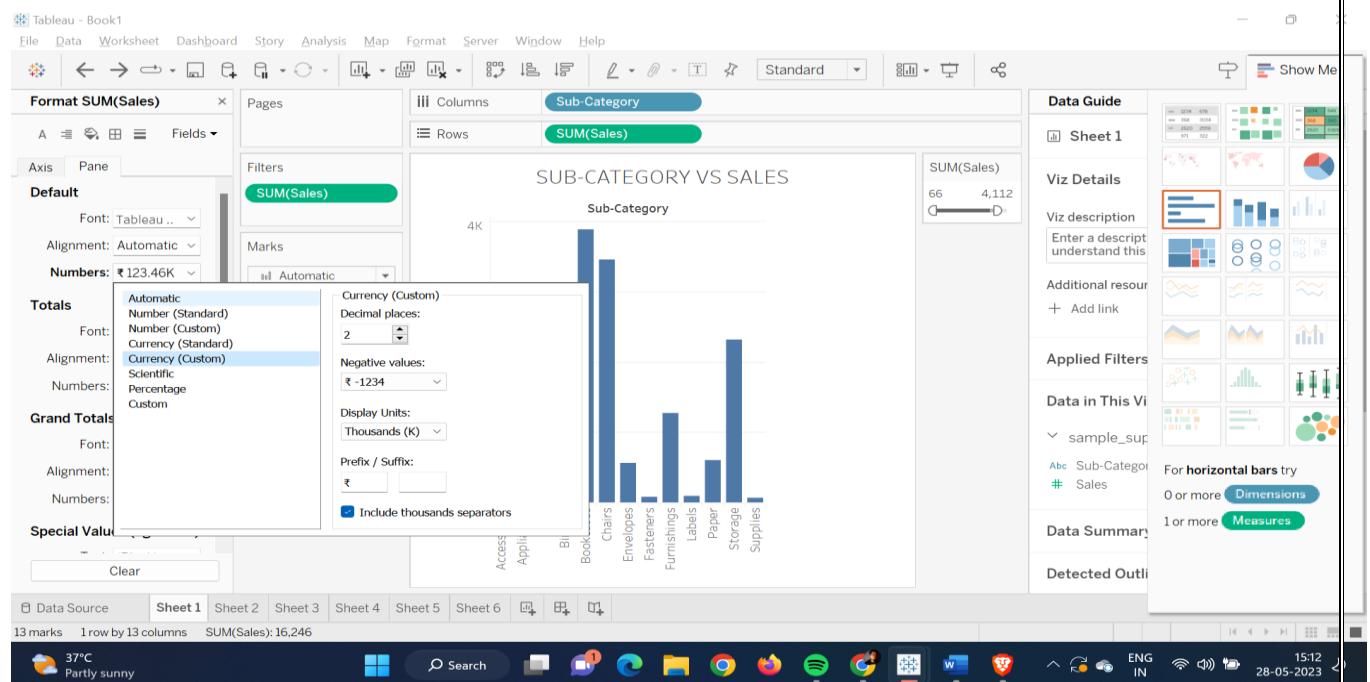
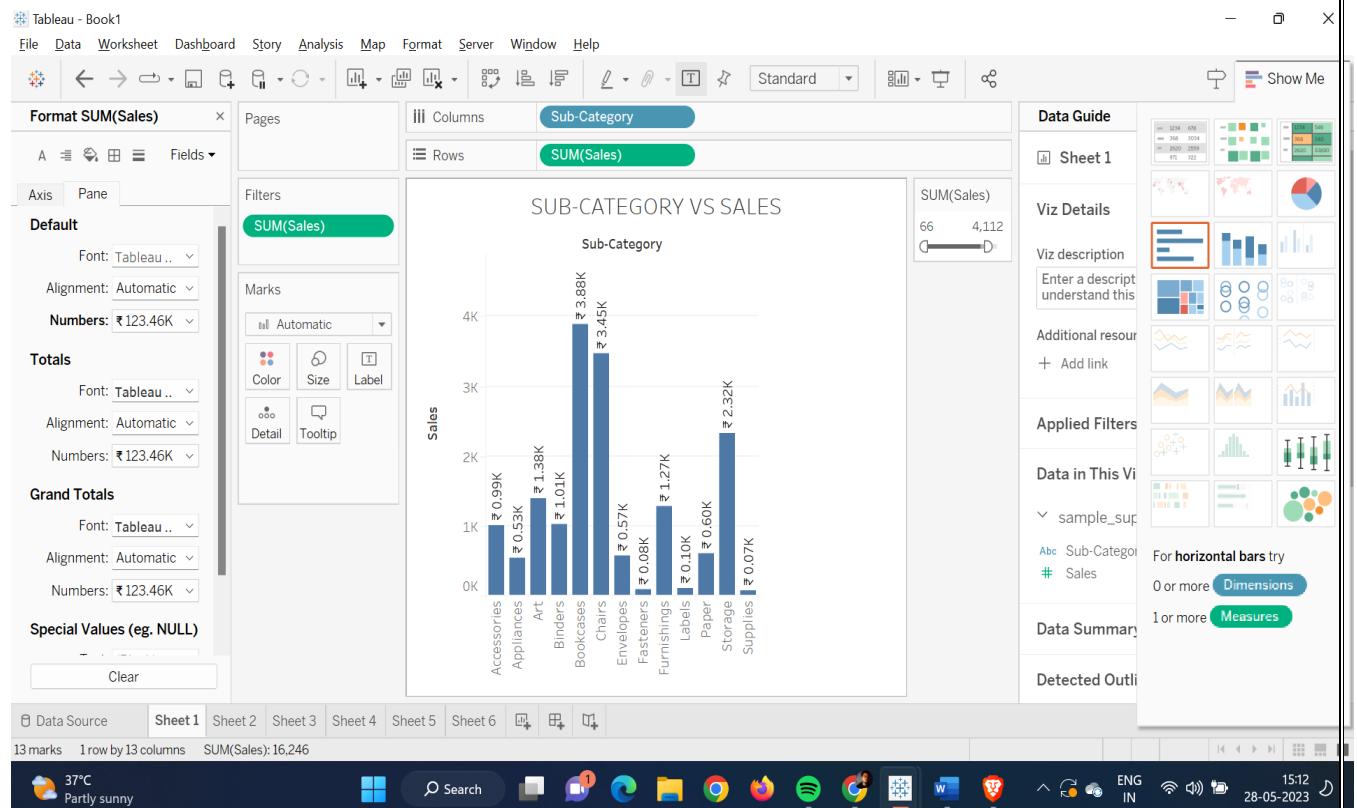
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## 2) Apply dimension filter, context and measure filter on any of the three visualizations

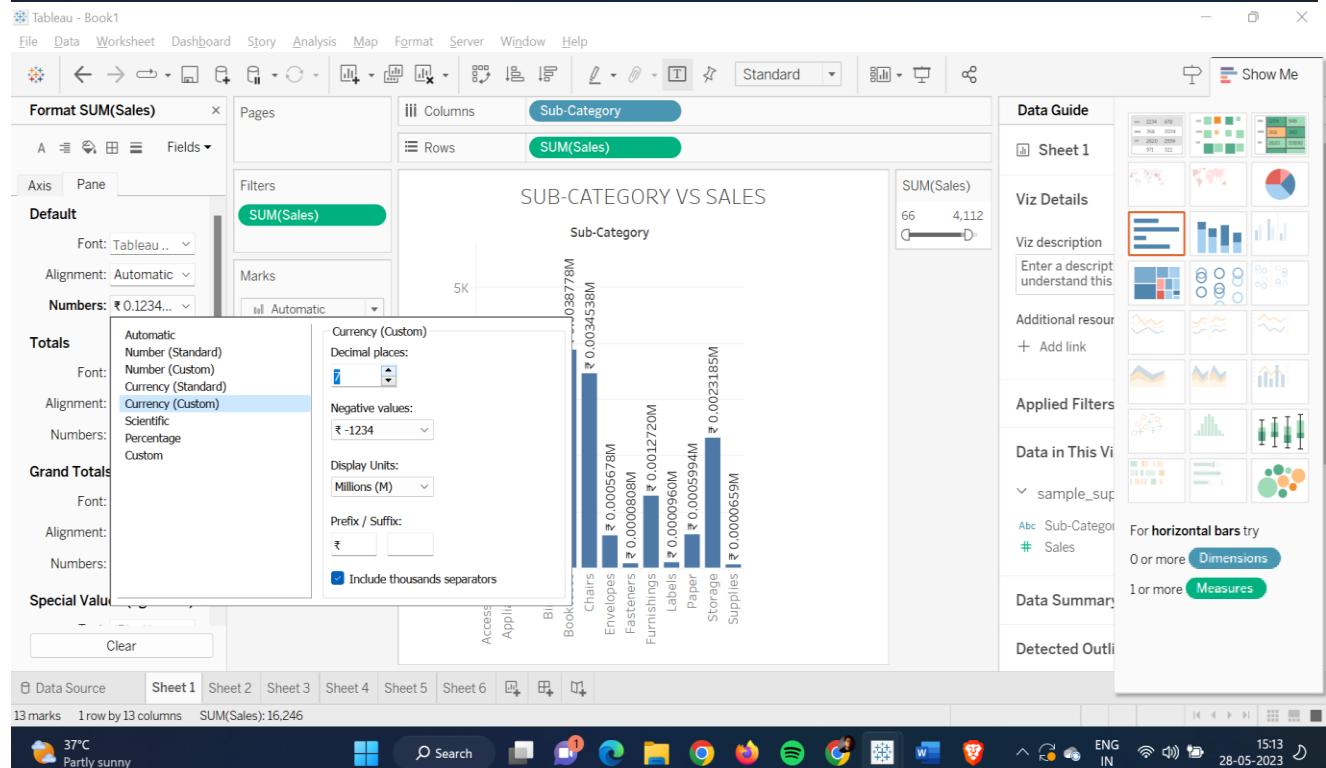
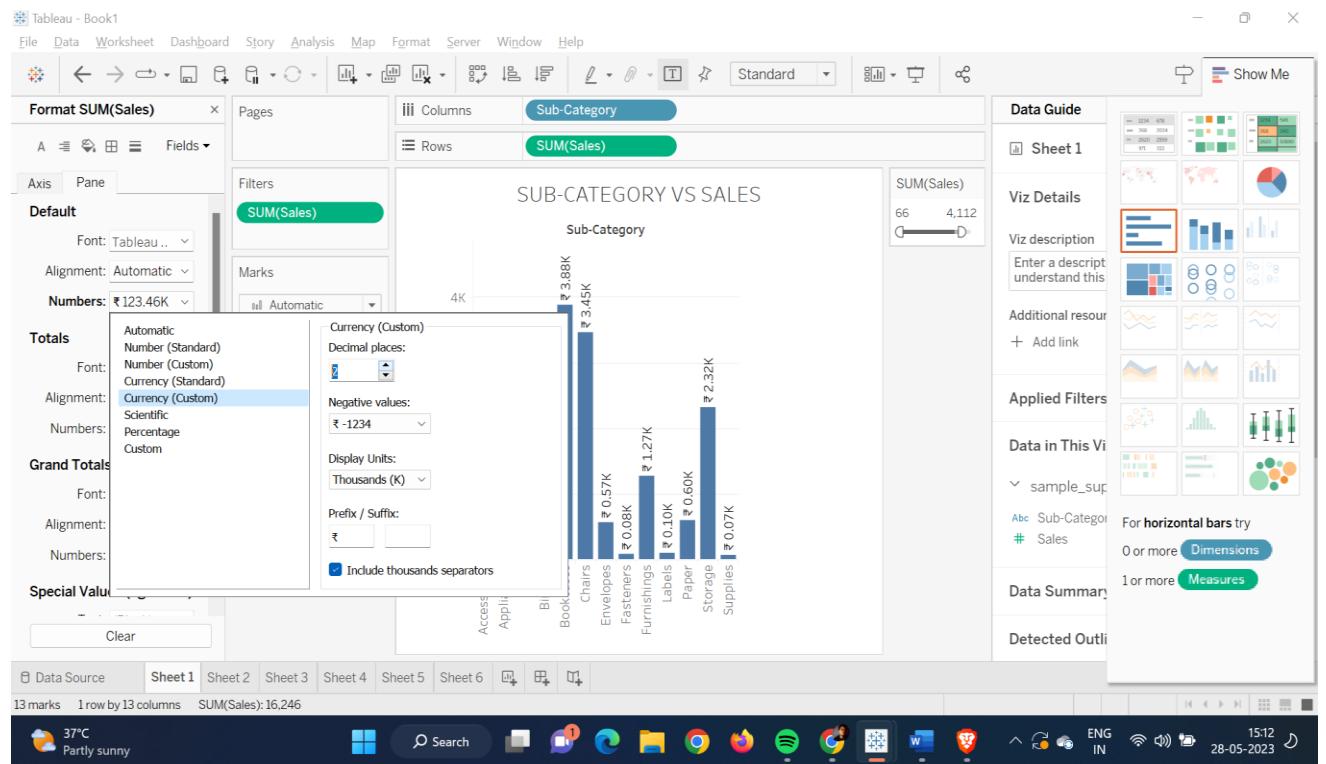
### DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:



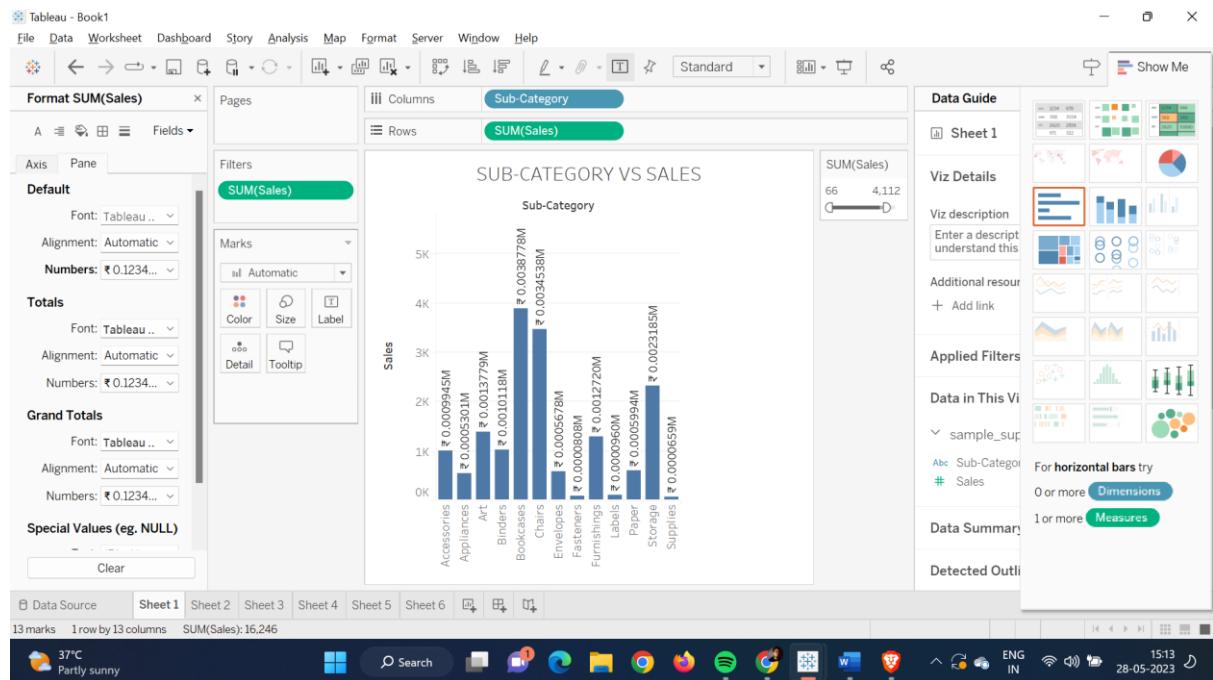
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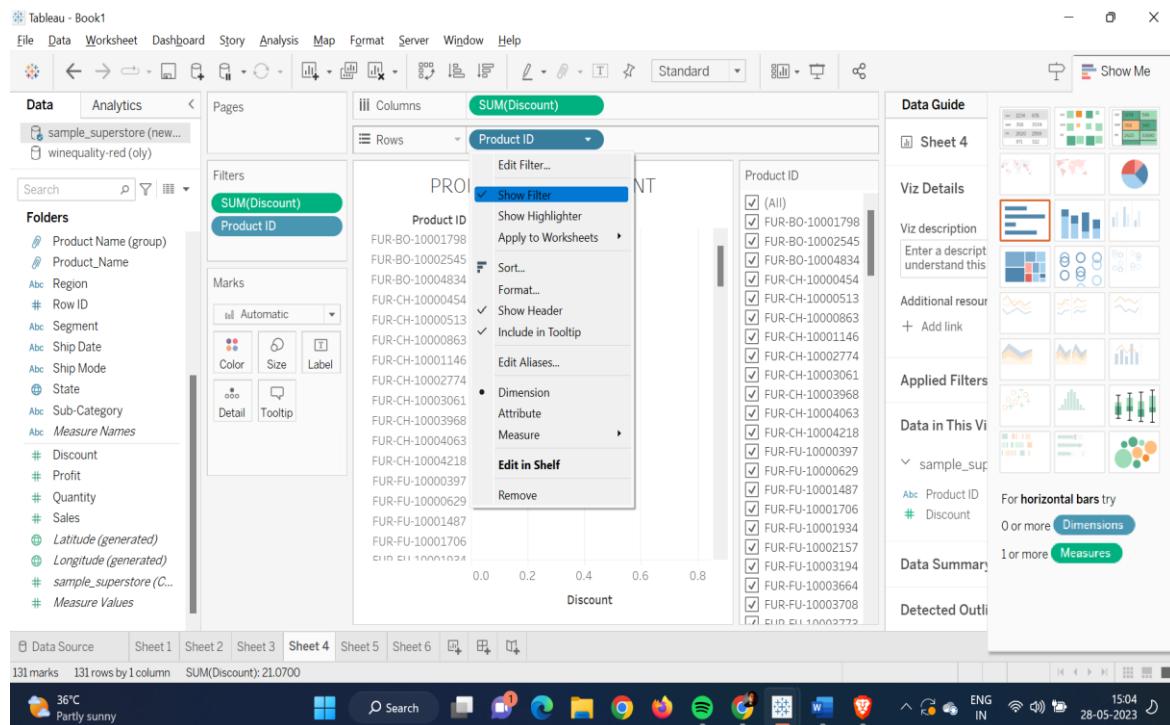
## ANFINSEN JOSEPH



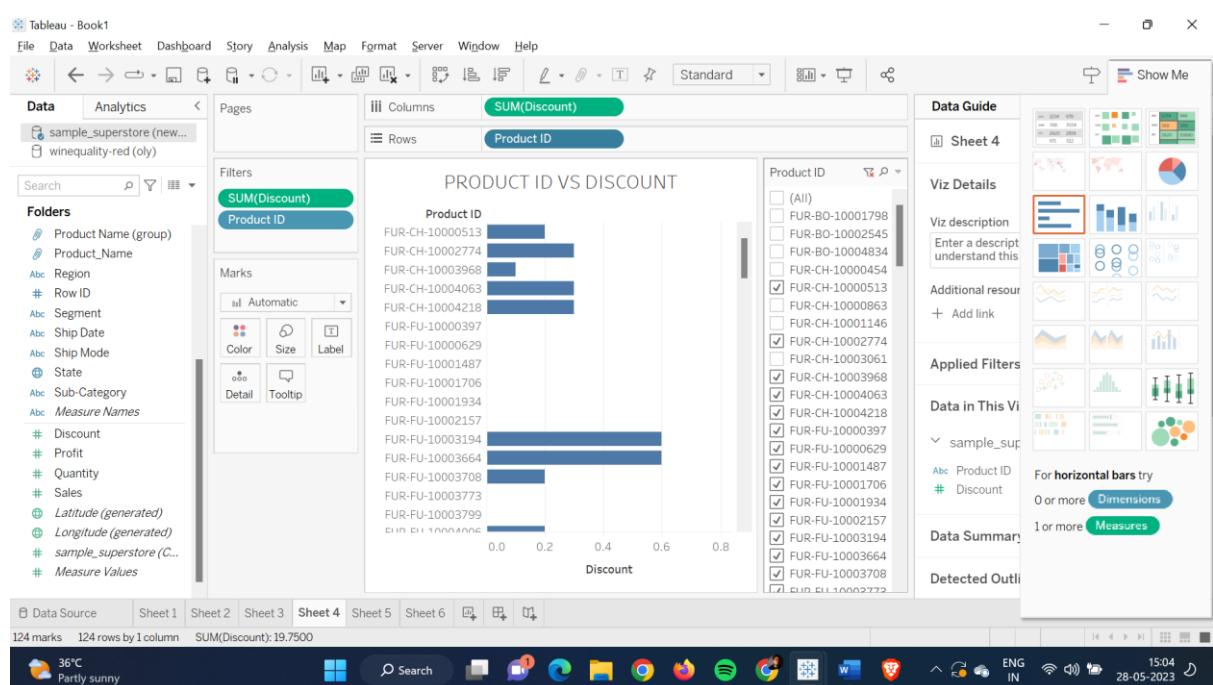
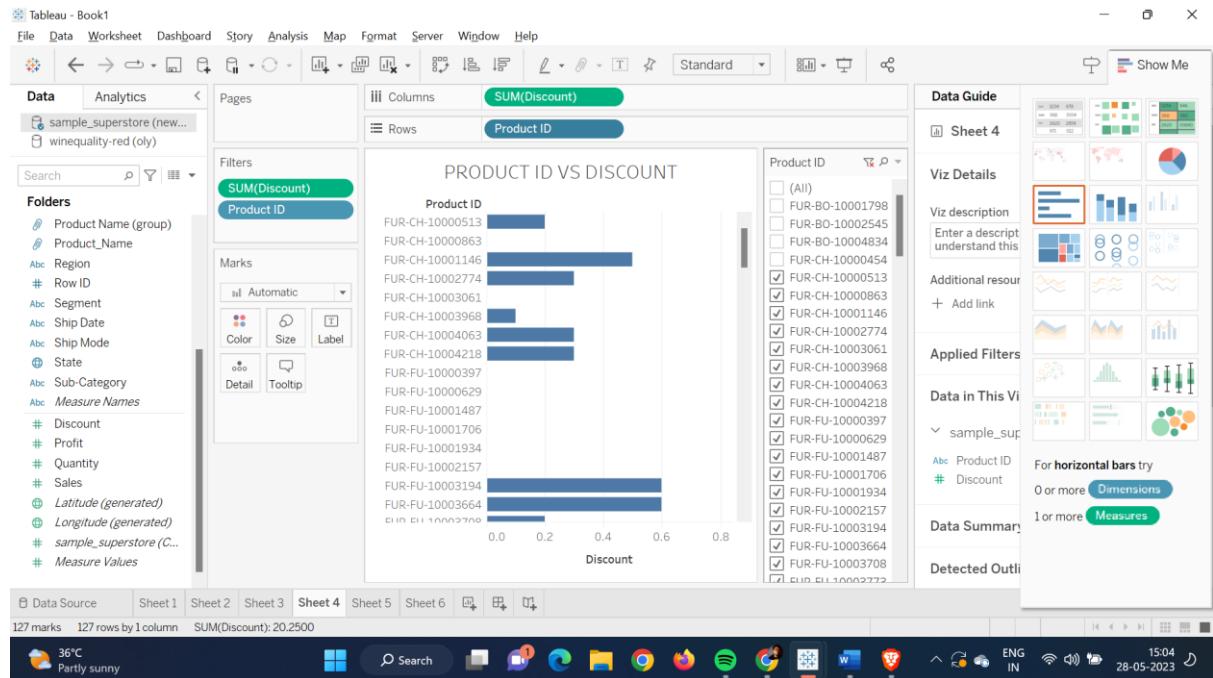
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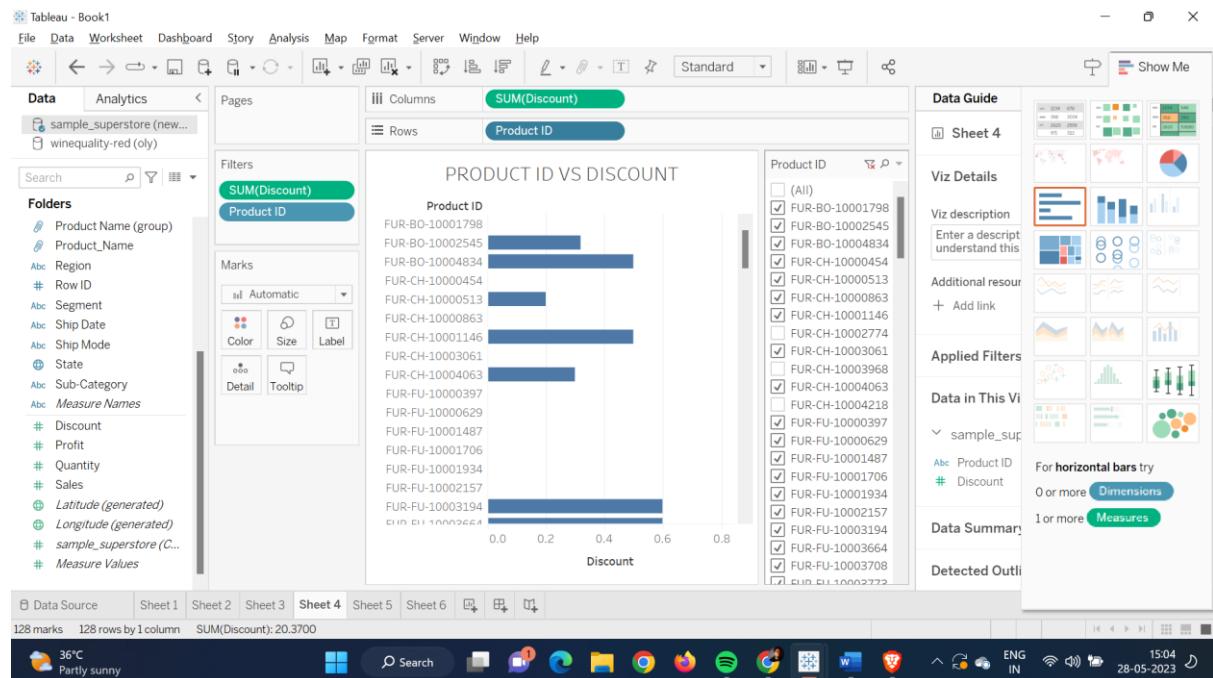
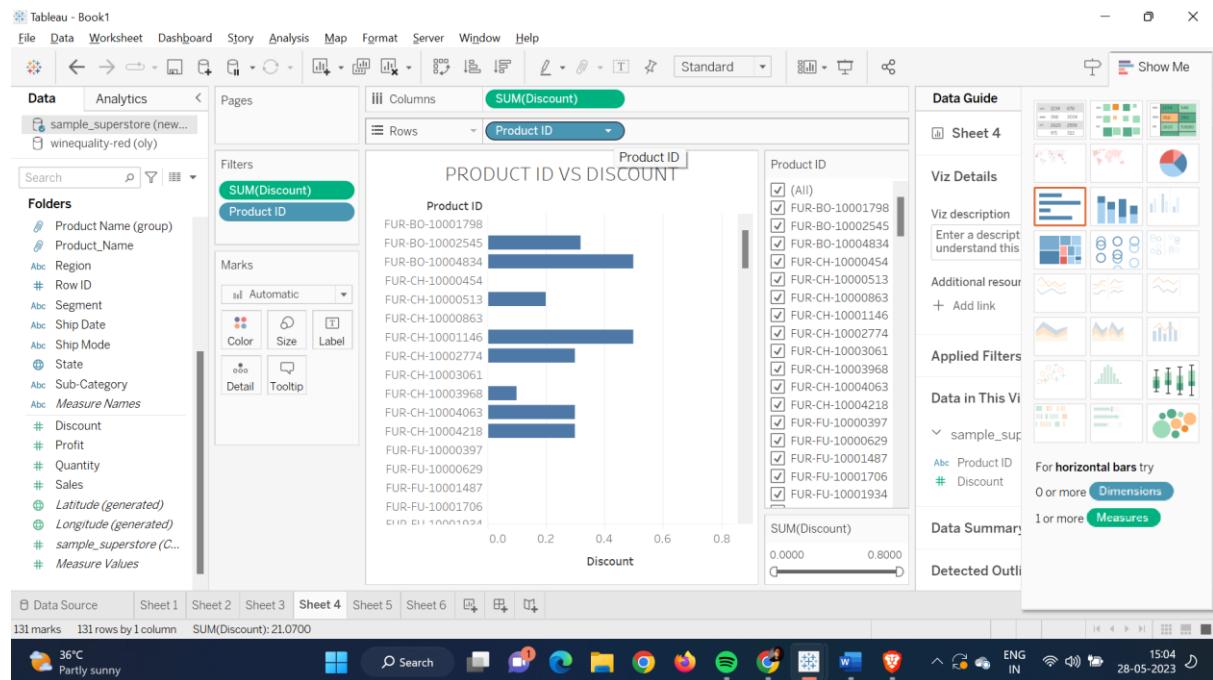
## CONTEXT FILTER ON HORIZONTAL BAR GRAPH:



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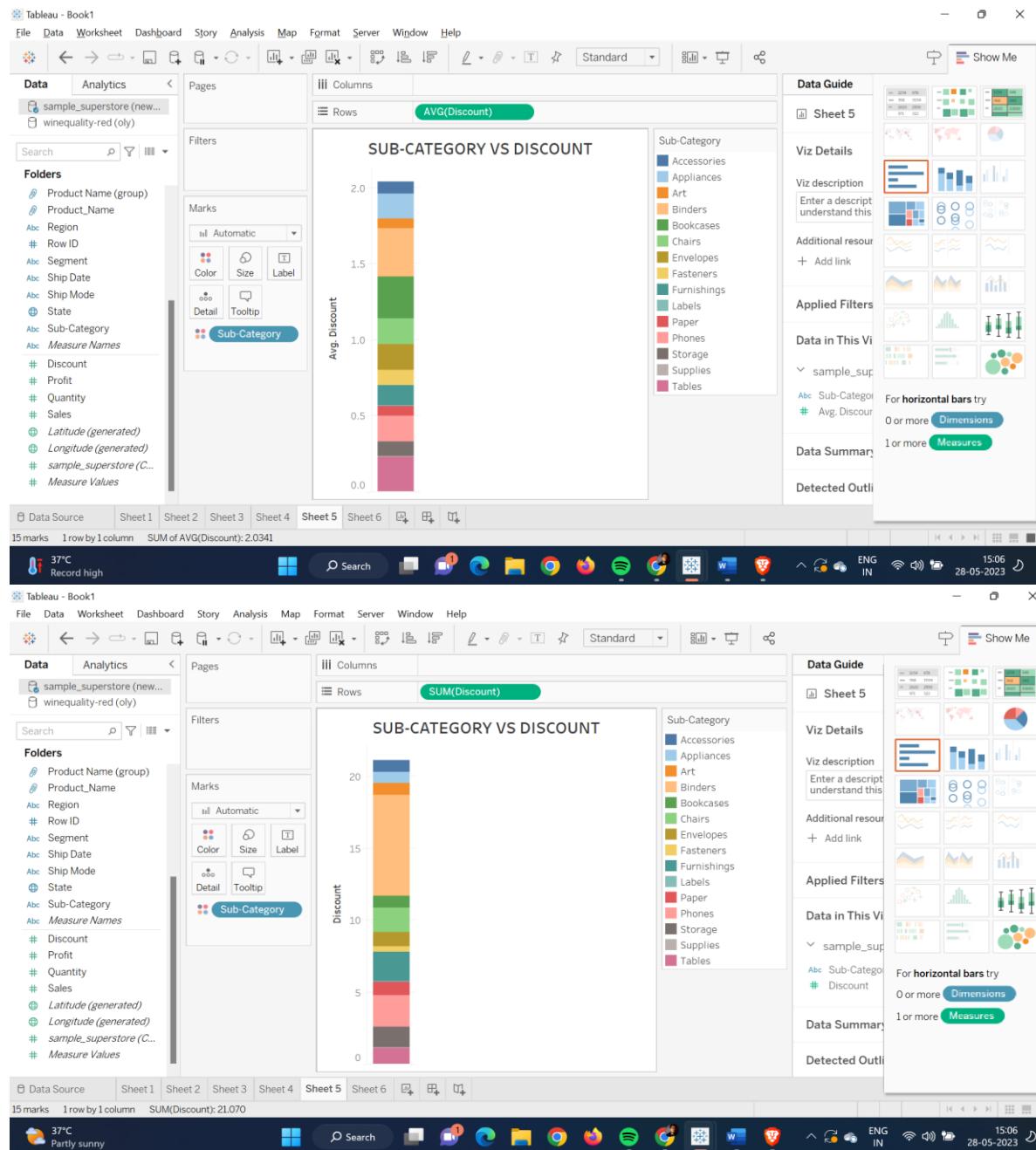


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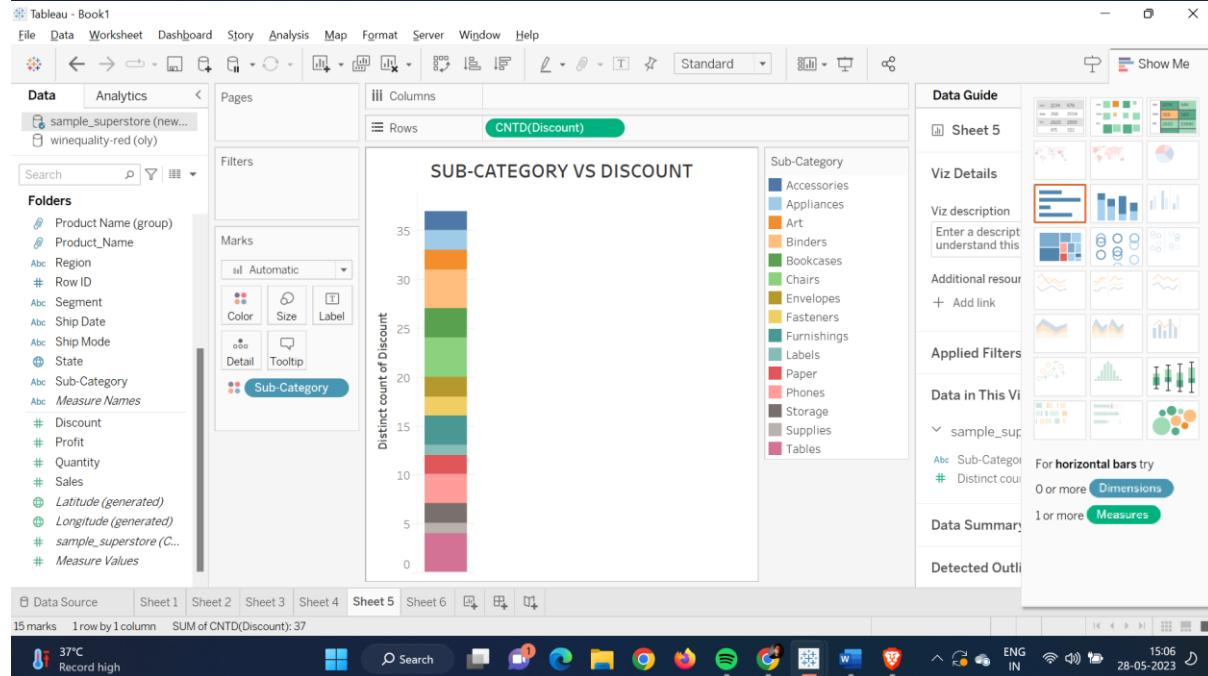
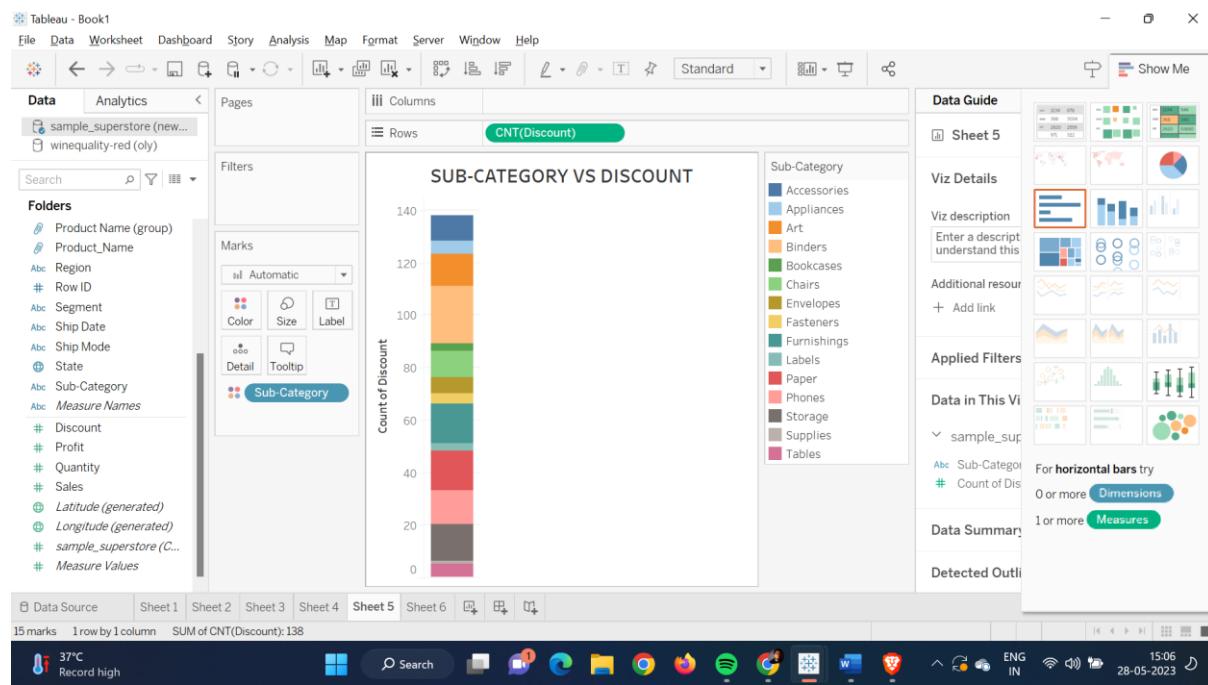


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## MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:



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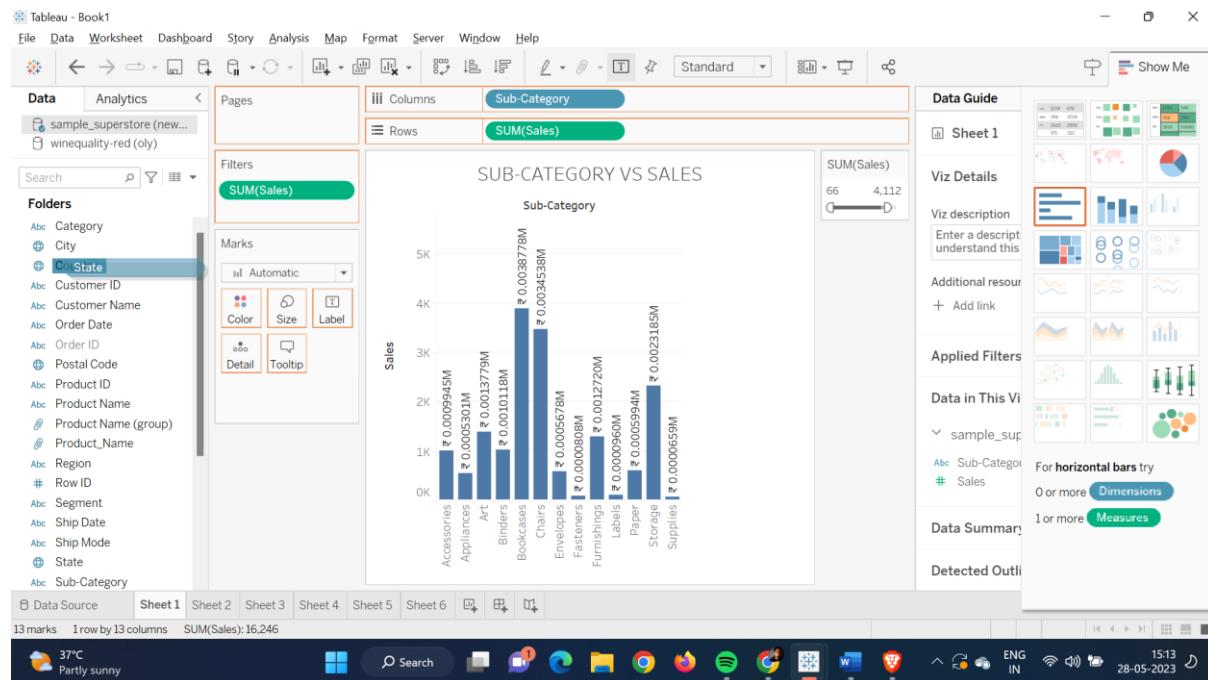


### 3) Perform the following data manipulations on your dataset

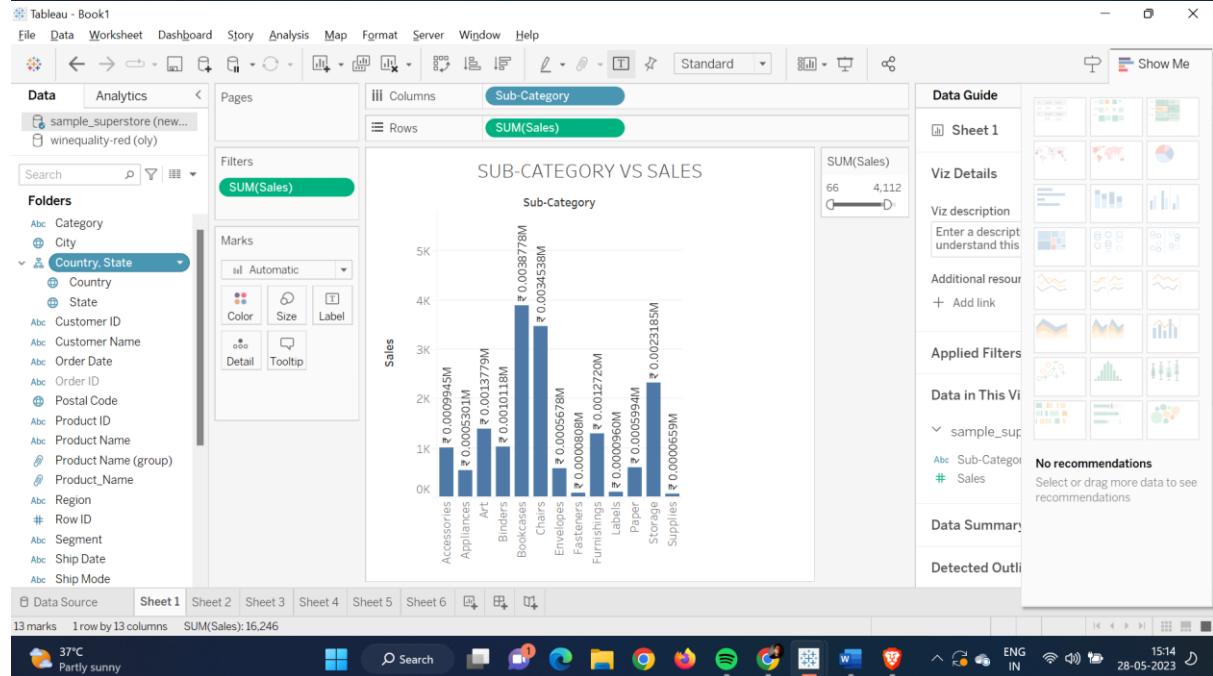
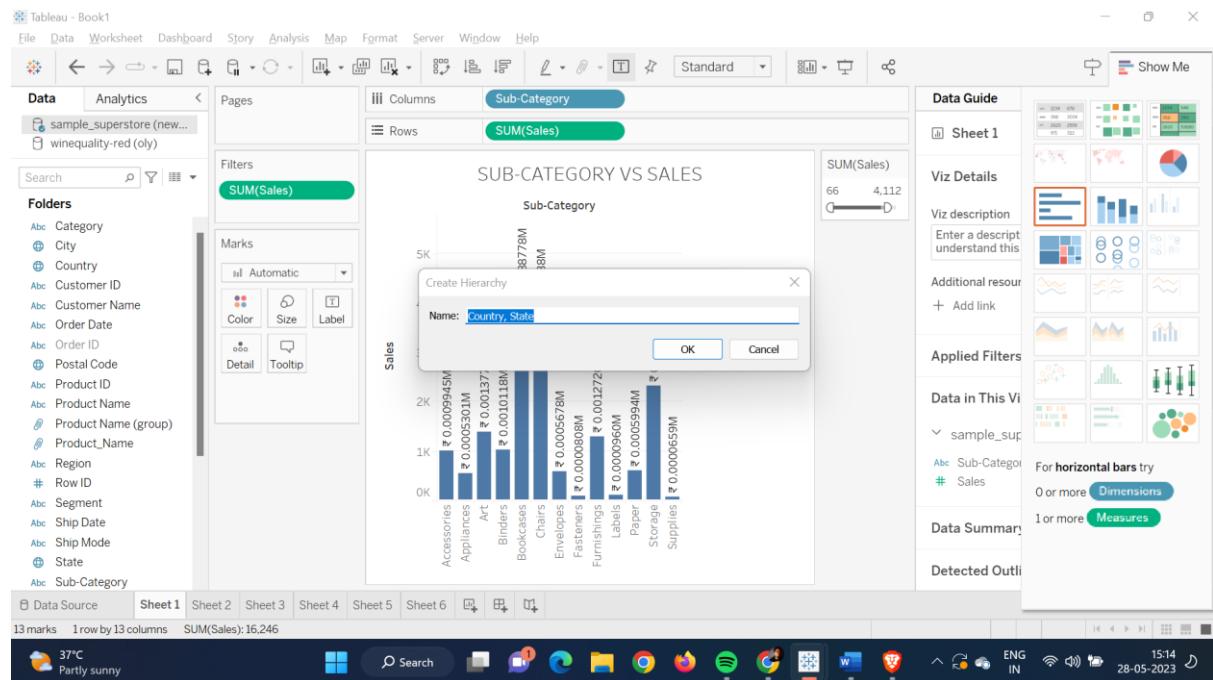
- create a Hierarchy
- create a set
- create a group

#### Create hierarchy:

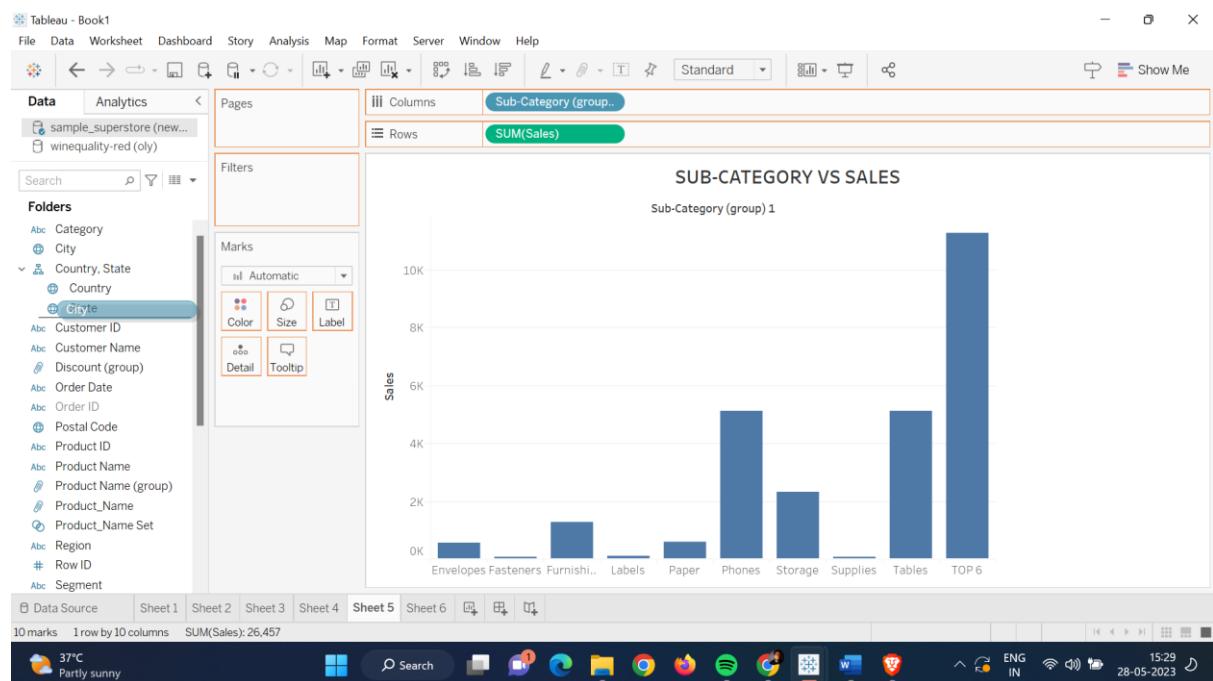
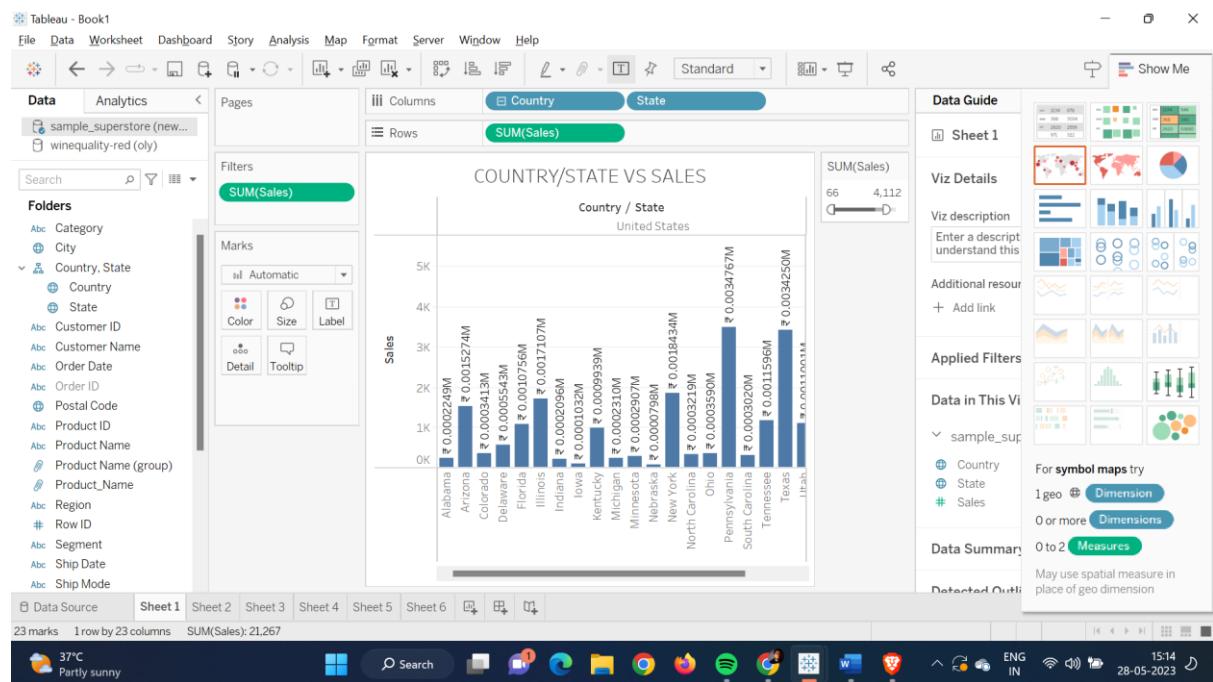
I have created a location hierarchy and it consists of country, state, city and postal code as shown below and displayed the bar graph of quantity based on location hierarchy:



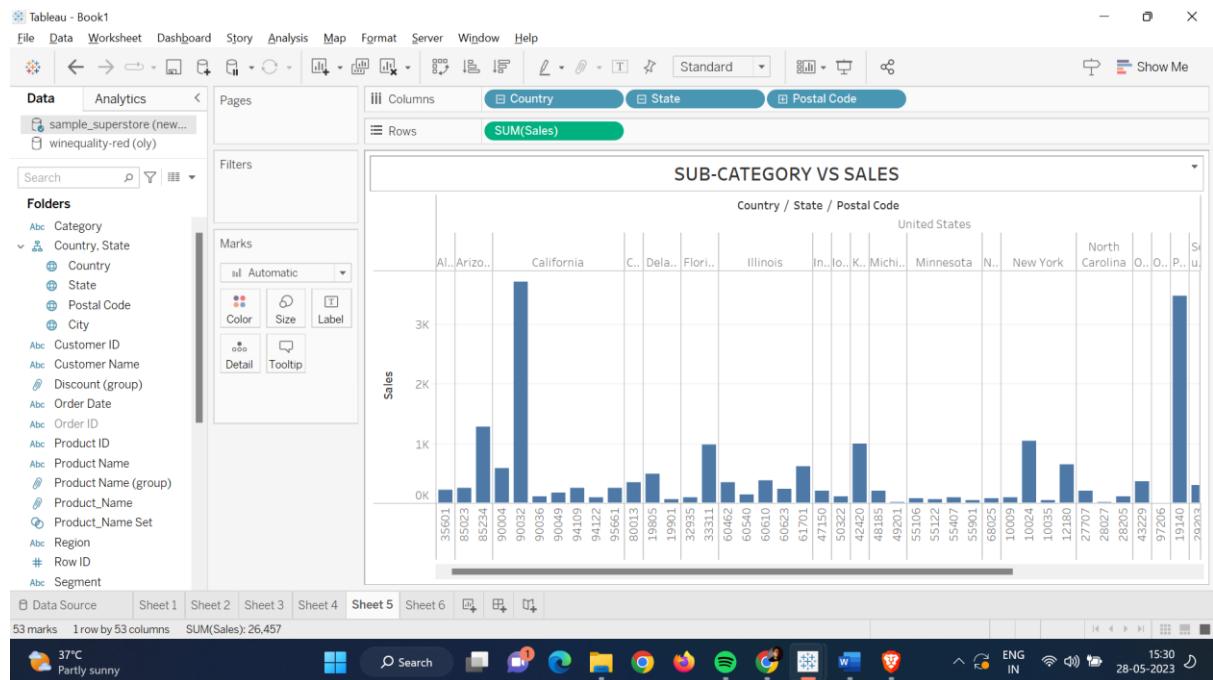
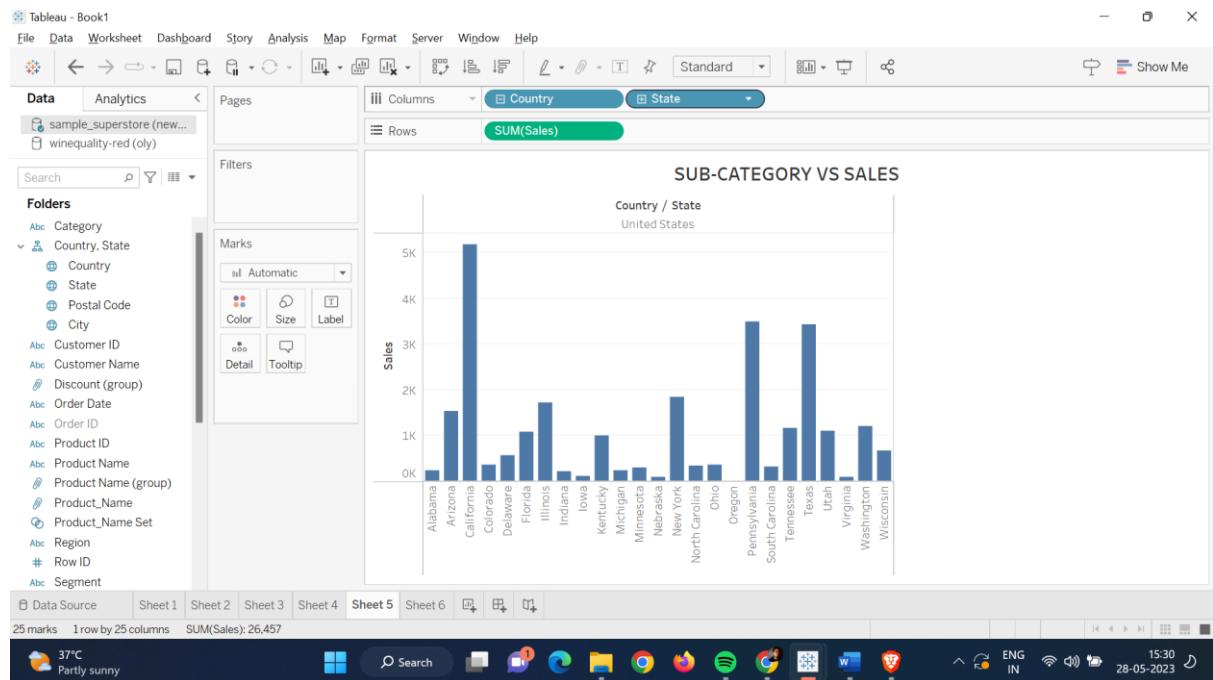
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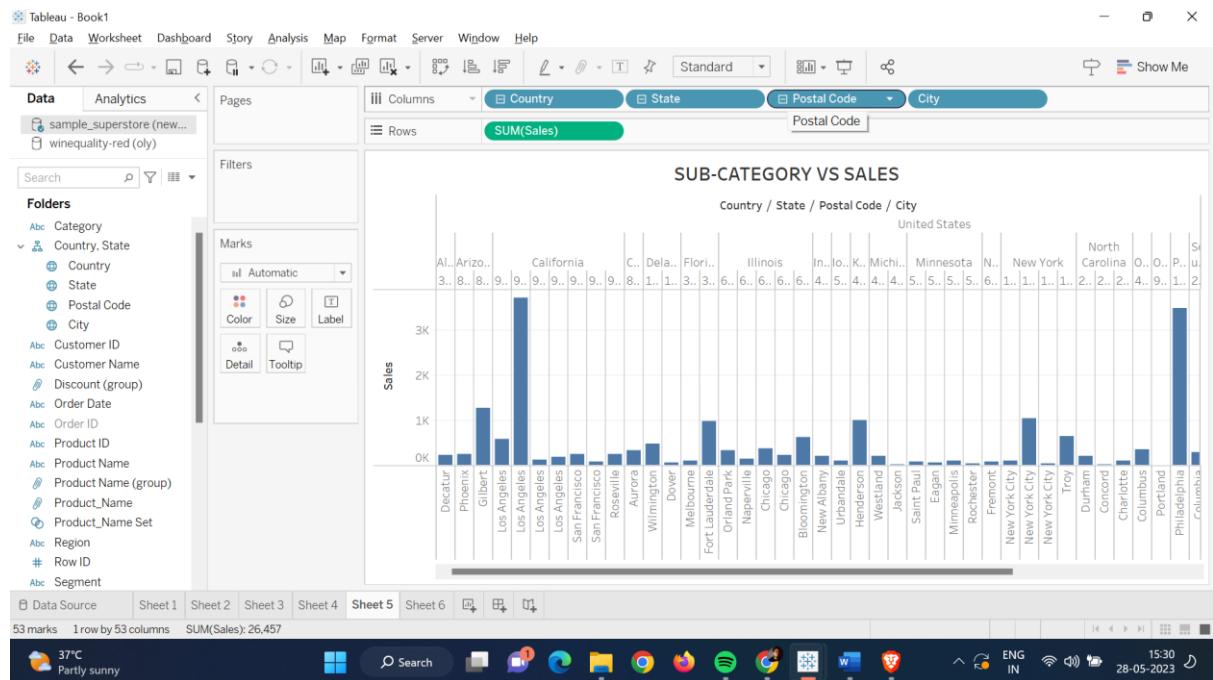
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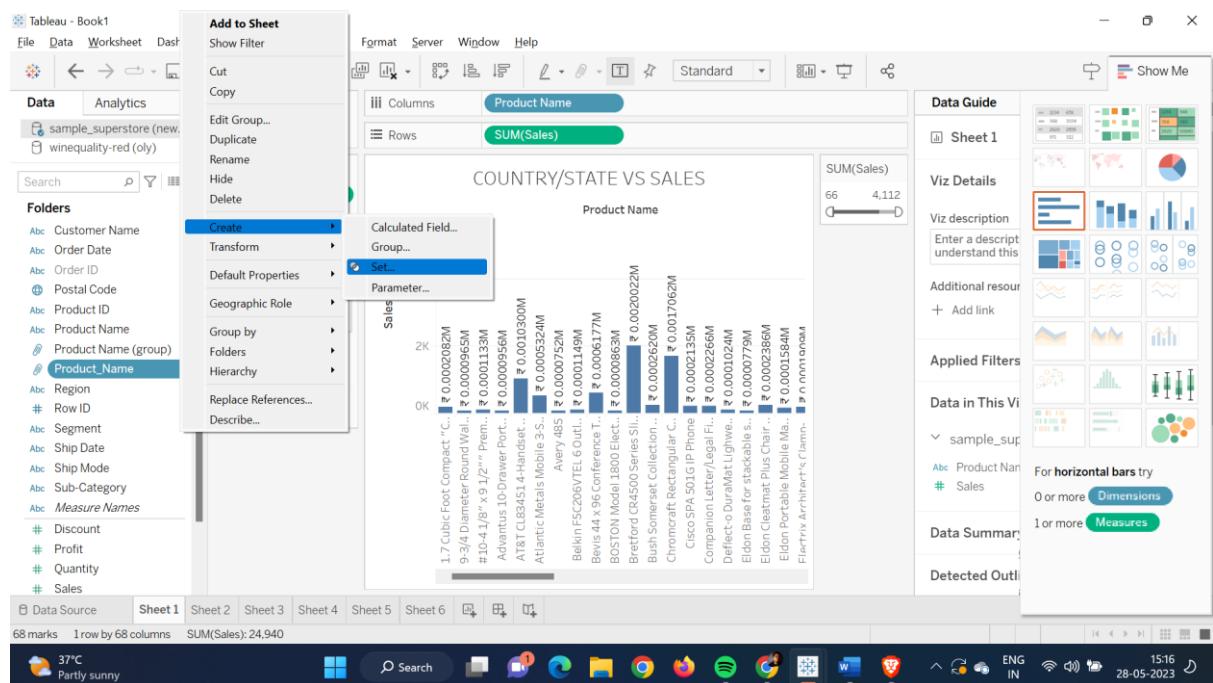
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Create a set:

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



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Tableau - Book1

**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"
- 1.7 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

Show Me

Viz Details

Enter a description understand this

Additional resources + Add link

Applied Filters

Data in This View

sample\_sup

Abs Product Name  
# Sales

Data Summary

For horizontal bars try 0 or more Dimensions

Detected Outliers

Sales

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

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

37°C Partly sunny

Tableau - Book1

**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 description understand this

Additional resources + Add link

Applied Filters

Data in This View

sample\_sup

Abs Product Name  
# Sales

Data Summary

For horizontal bars try 0 or more Dimensions

Detected Outliers

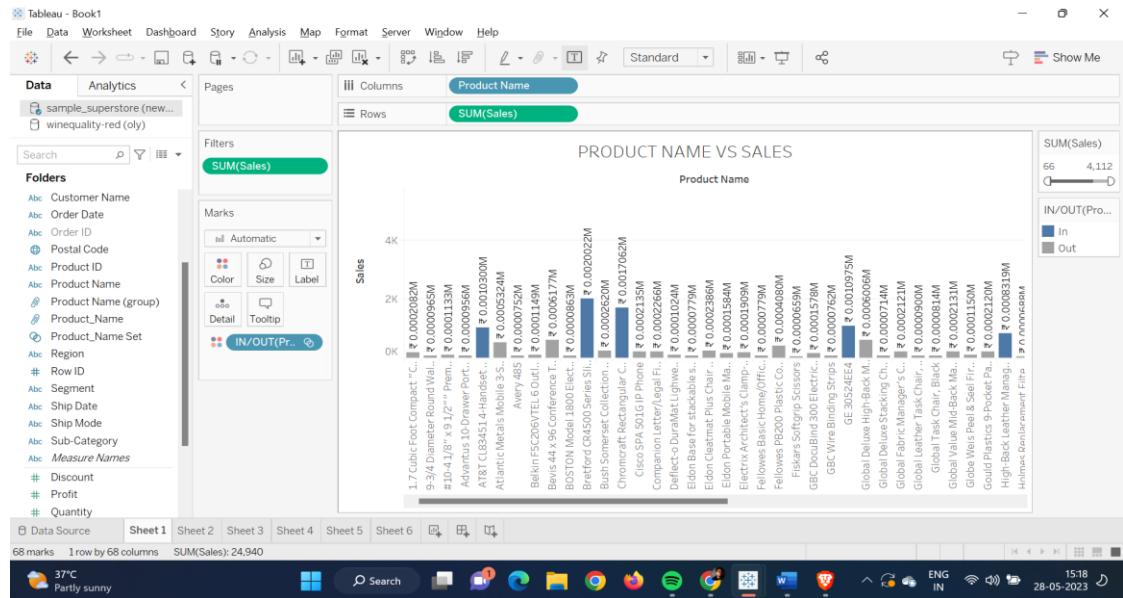
Sales

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

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

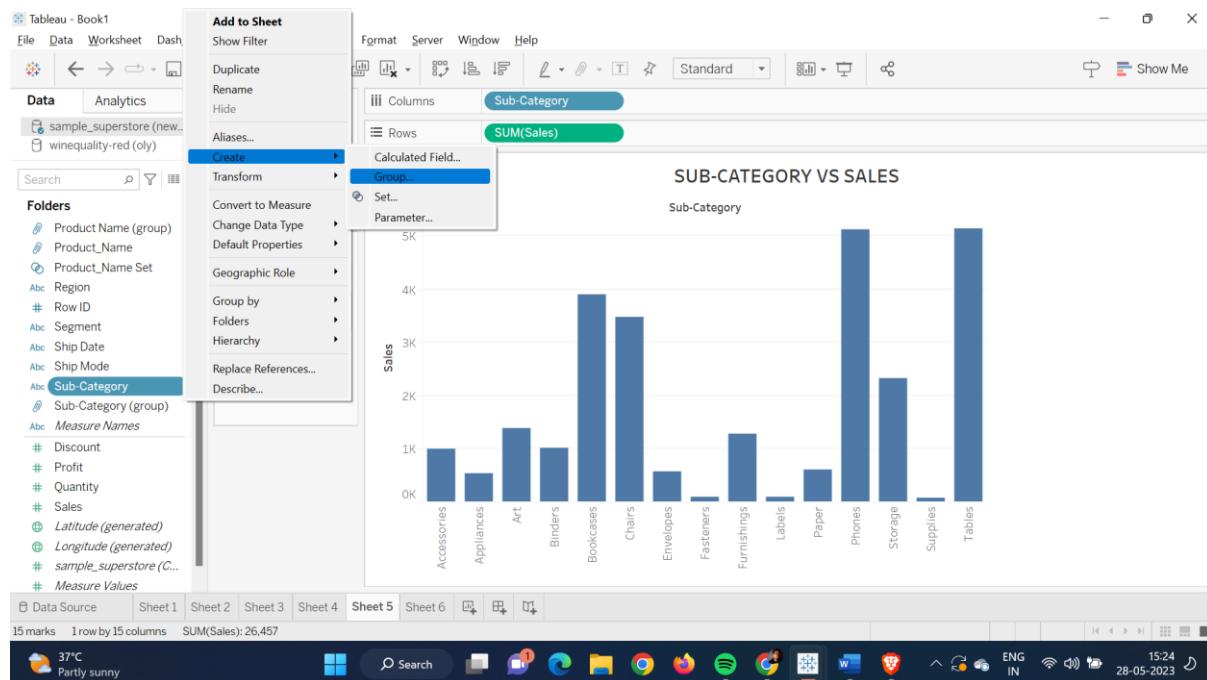
37°C Partly sunny

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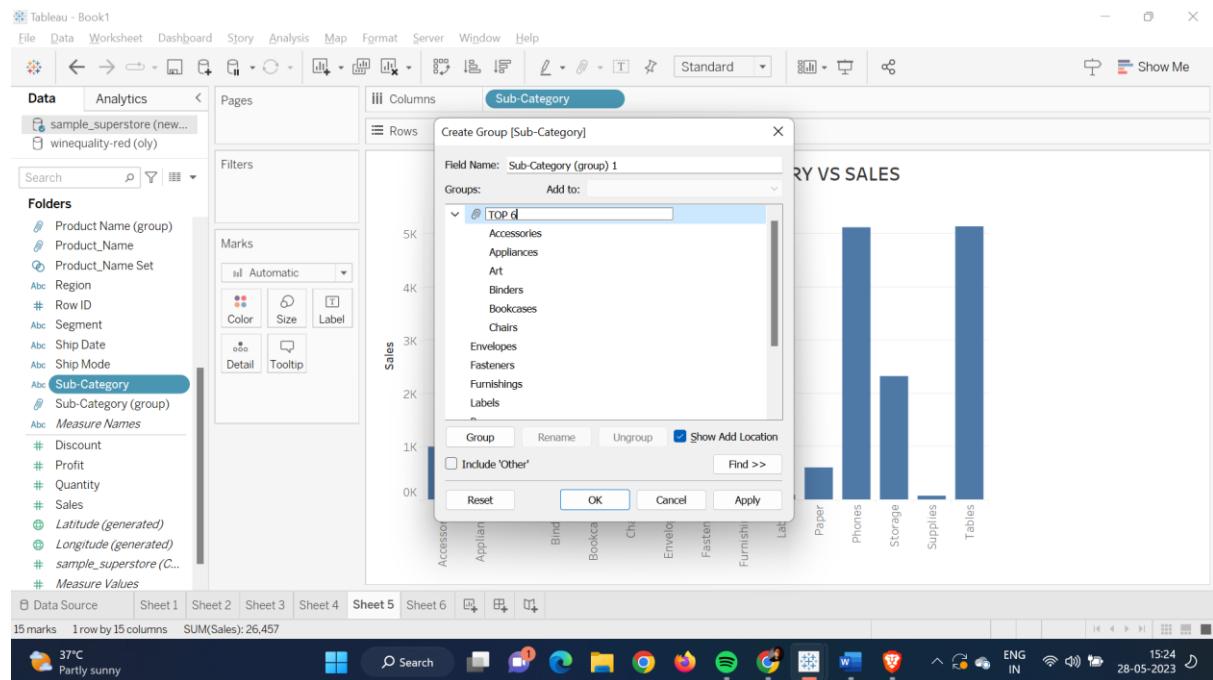
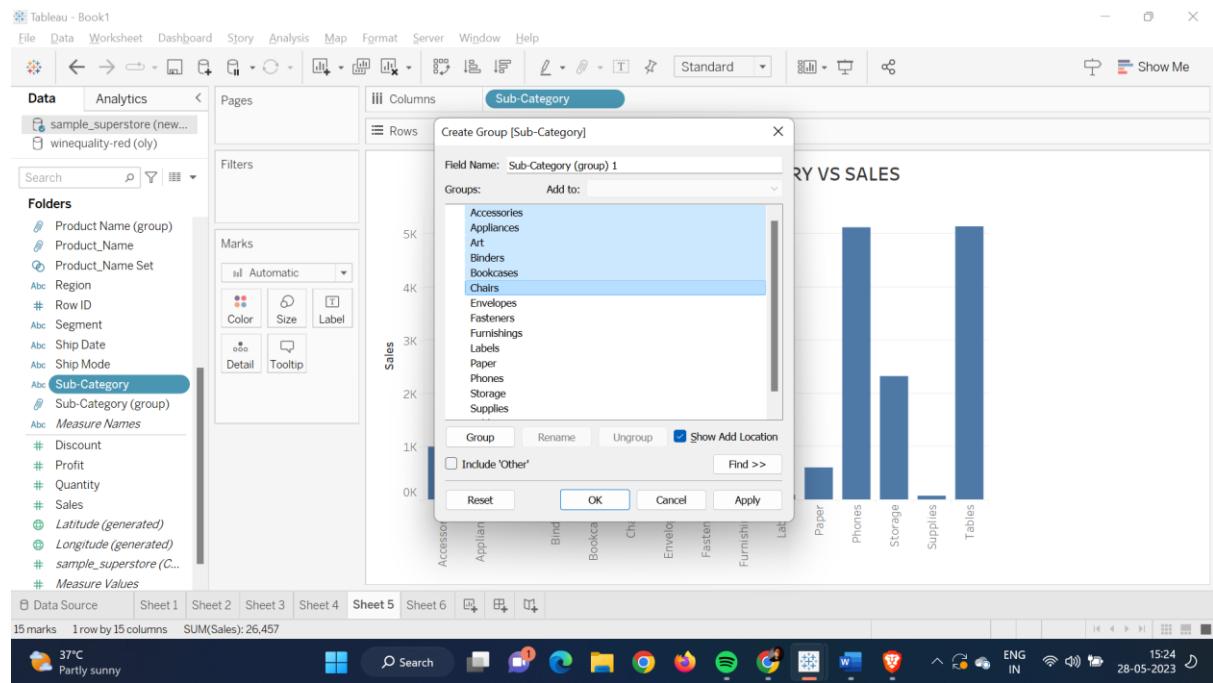


## Create a group:

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



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