

SMART BRIDGE DATA ANALYTICS

DIGITAL ASSIGNMENT-2

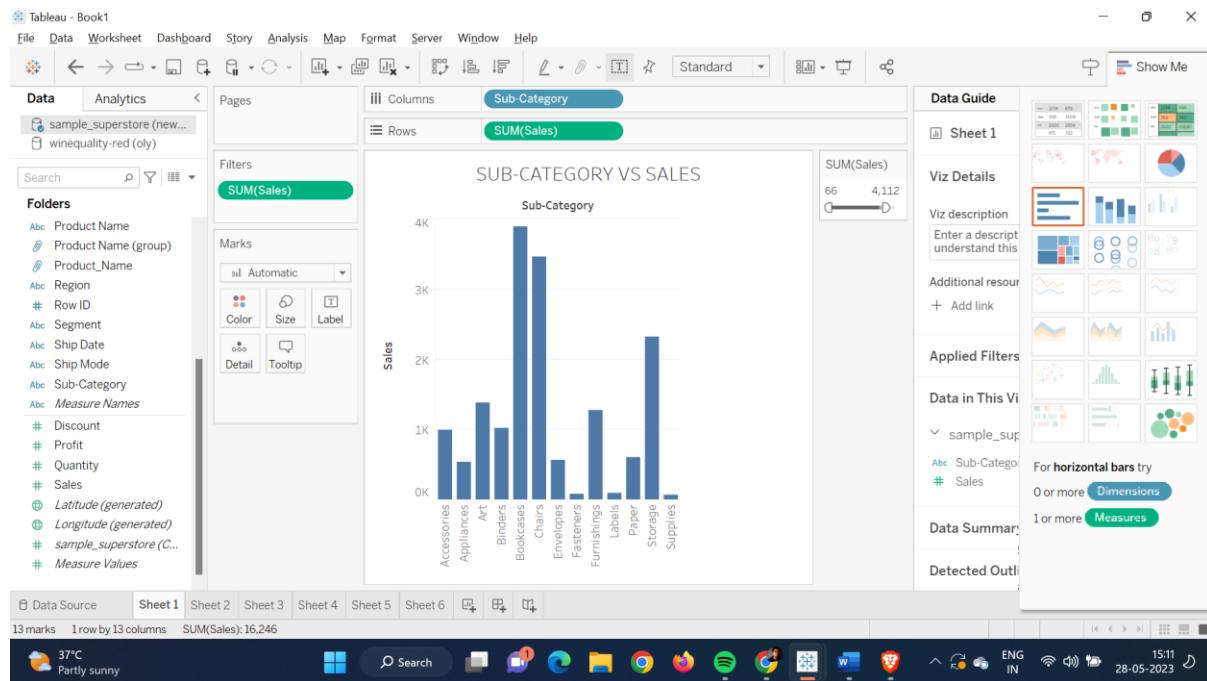
**R B NISHANTH
20BCE2406
VIT VELLORE**

Tasks:

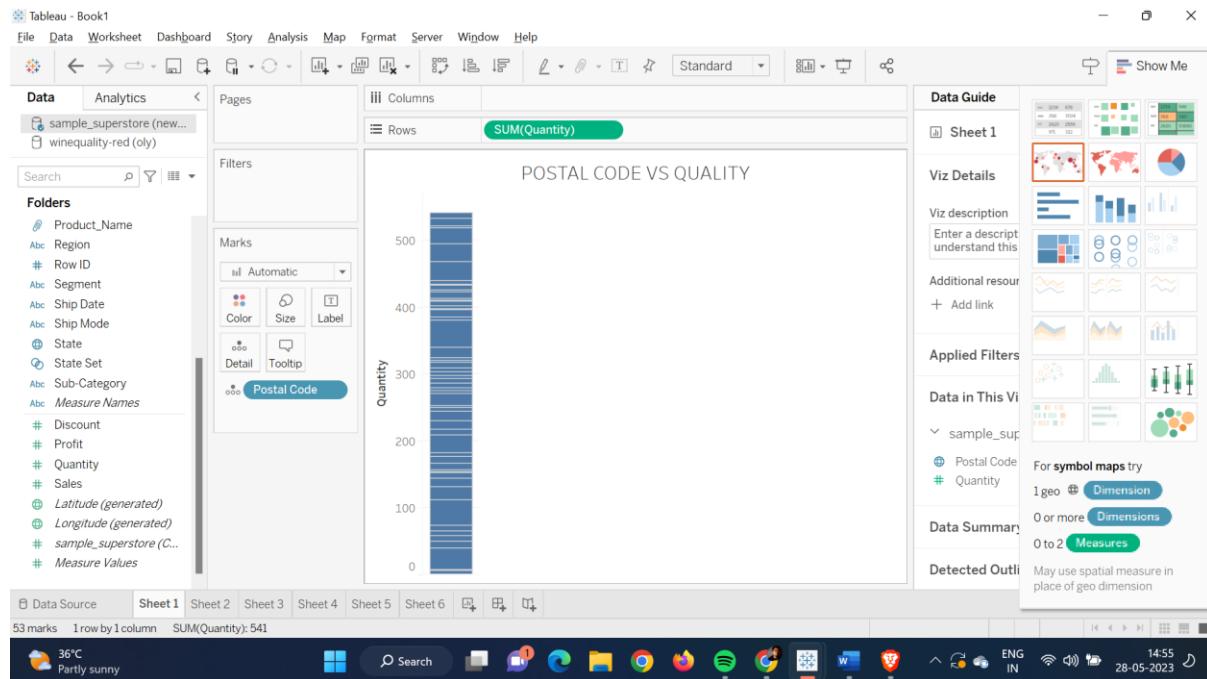
- 1) Create any 7 data visualizations/charts and perform the following
- 2) Apply dimension filter, context and measure filter on any of the three visualizations
- 3) Perform the following data manipulations on your dataset
 - create a Hierarchy
 - create a set
 - create a group

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

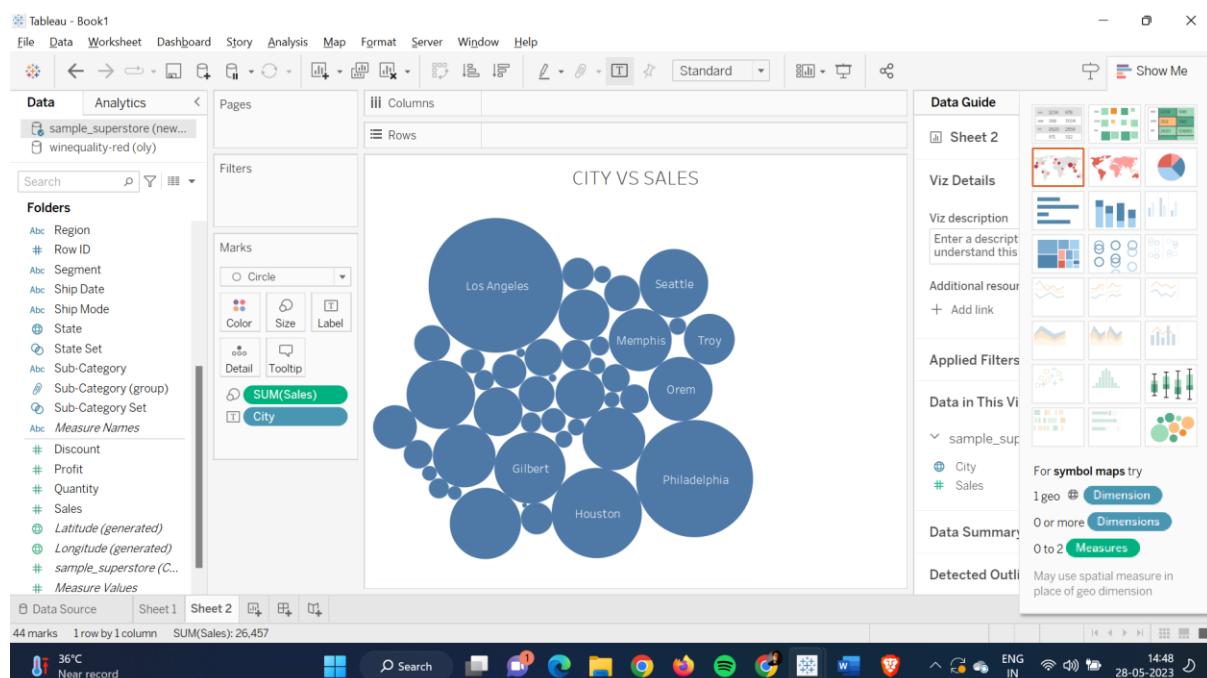
Bar graph on Sub category-sales data:



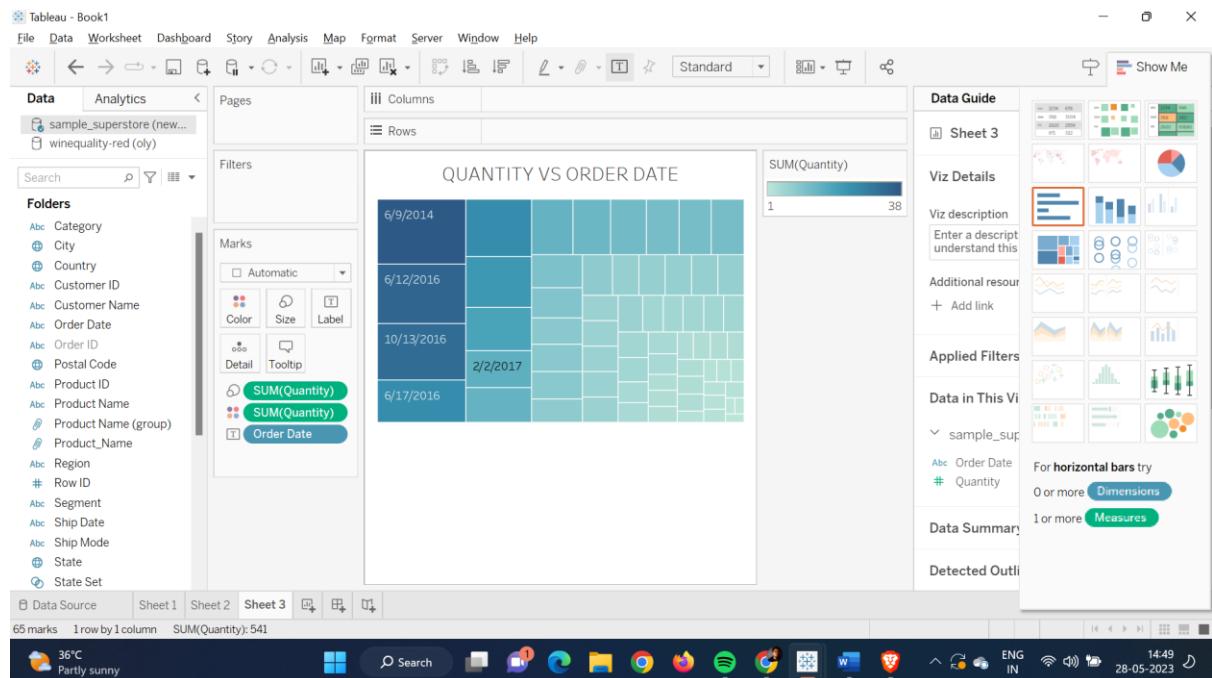
Stacked bar graph on Postal code vs quality data:



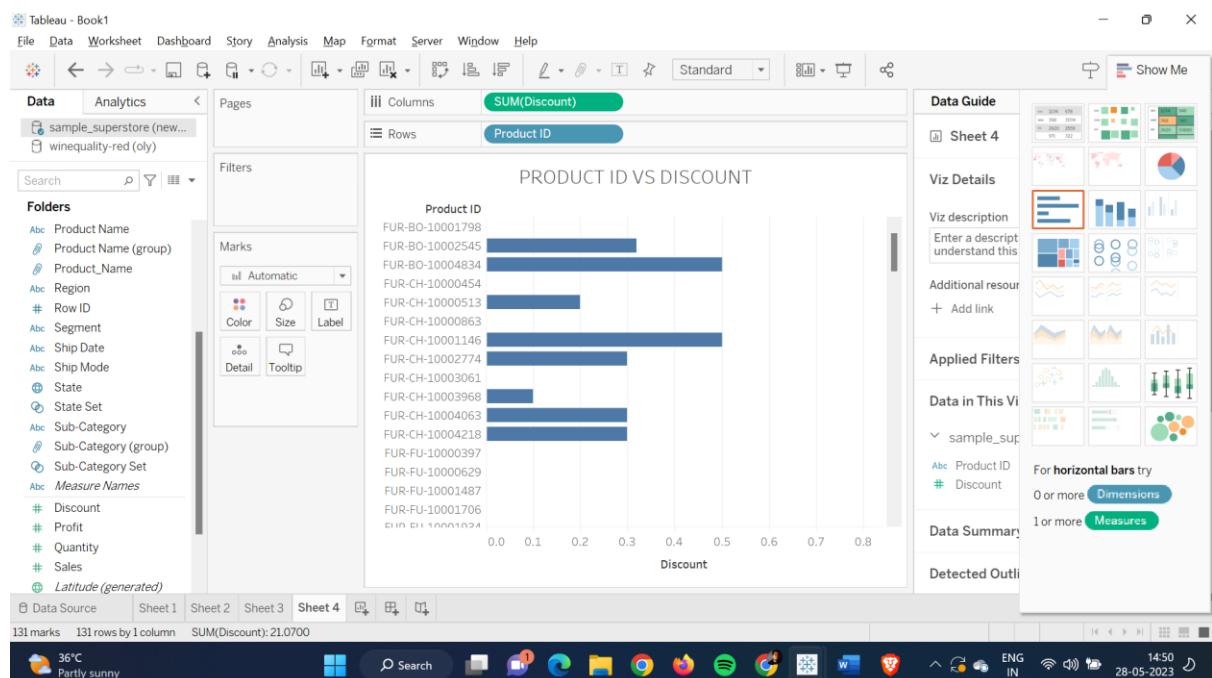
Packed bubble City vs sales data:



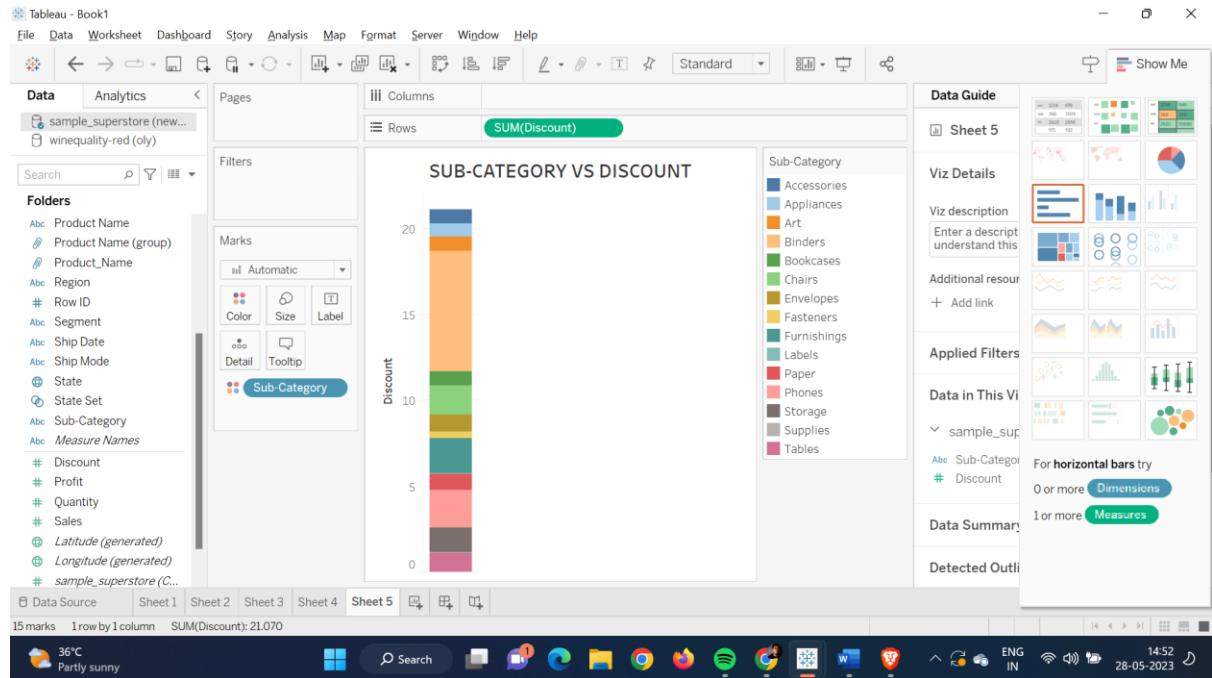
Tree map graph on Quantity vs Order Date data:



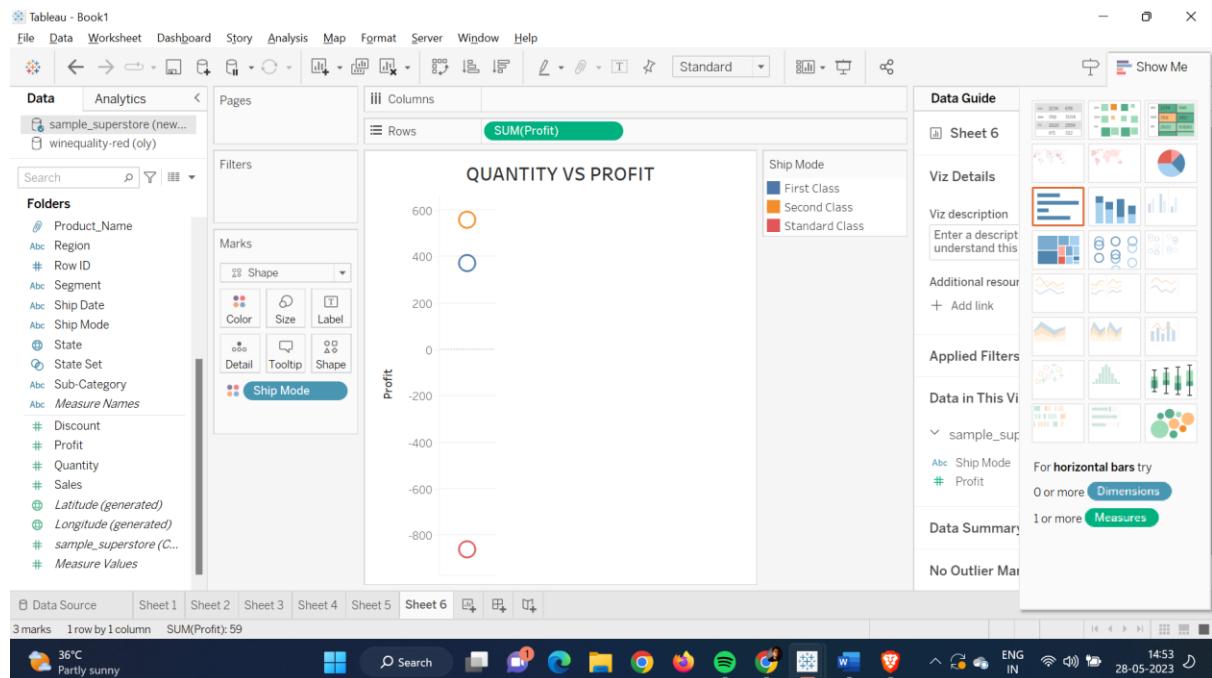
Horizontal maps on state-quantity data:



Heat maps on sub category vs discount data:

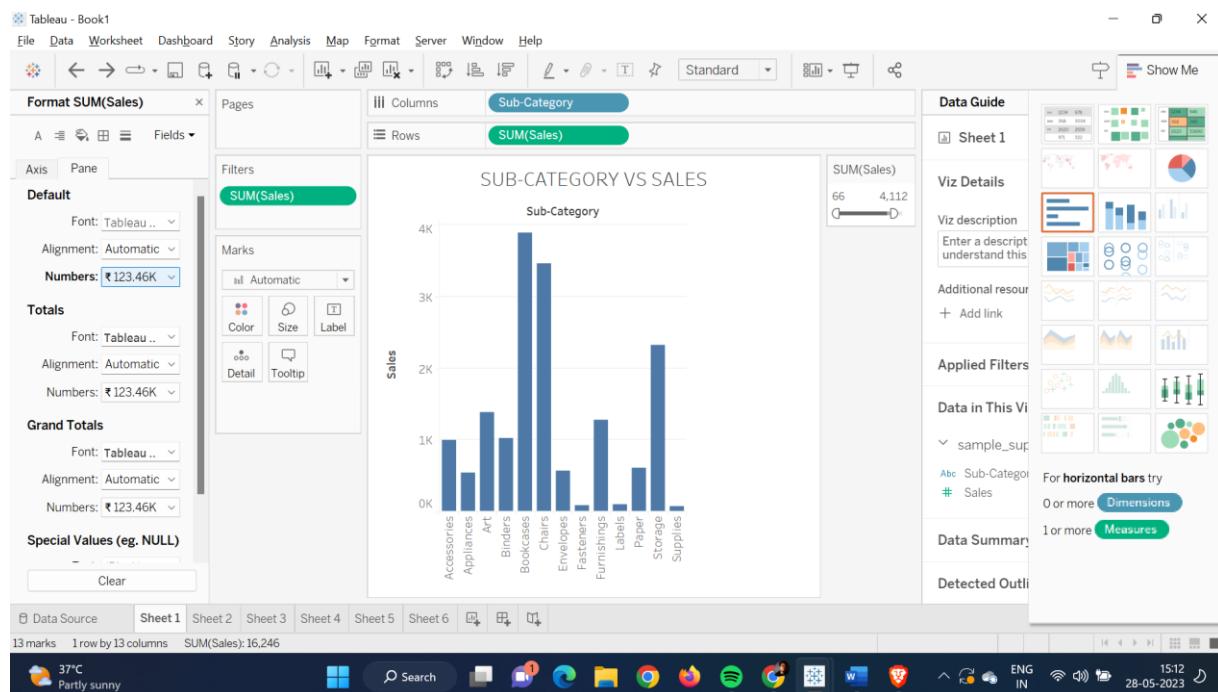
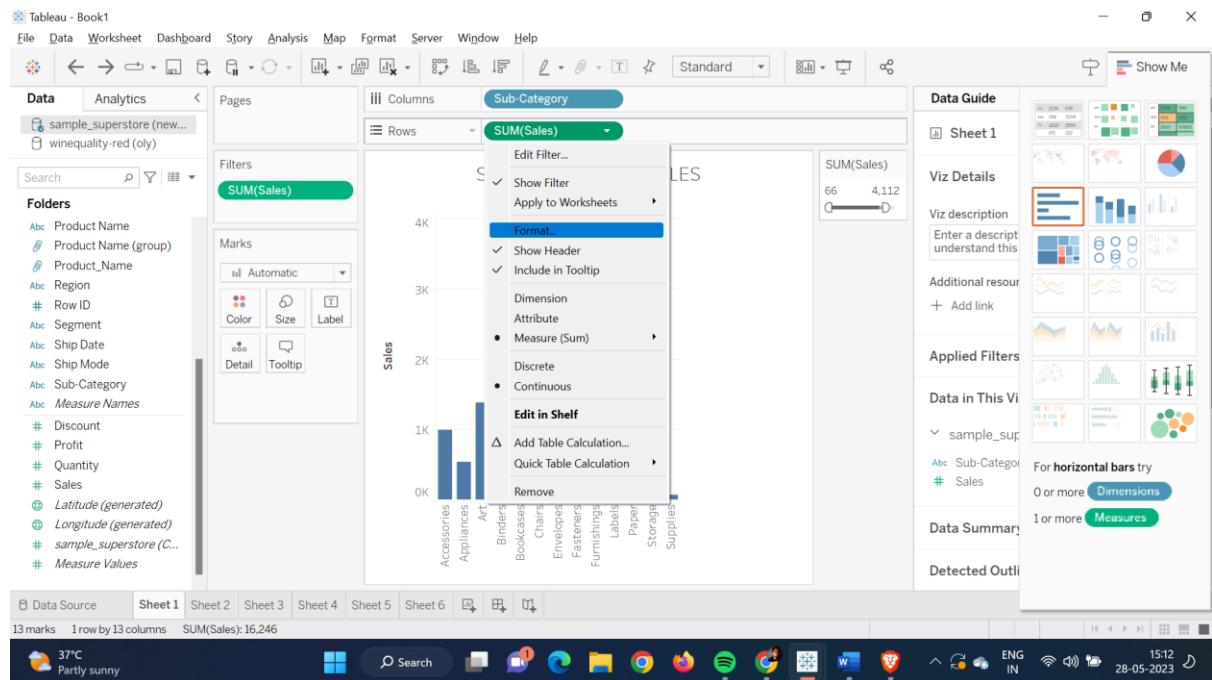


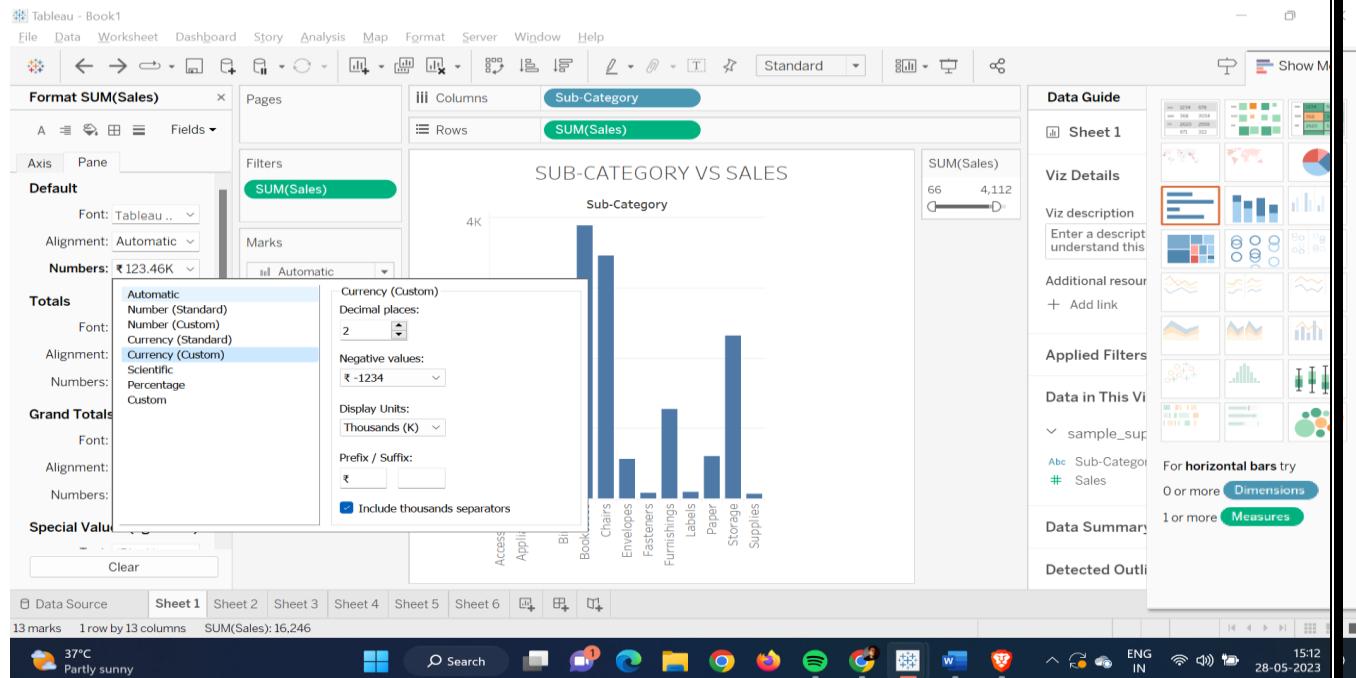
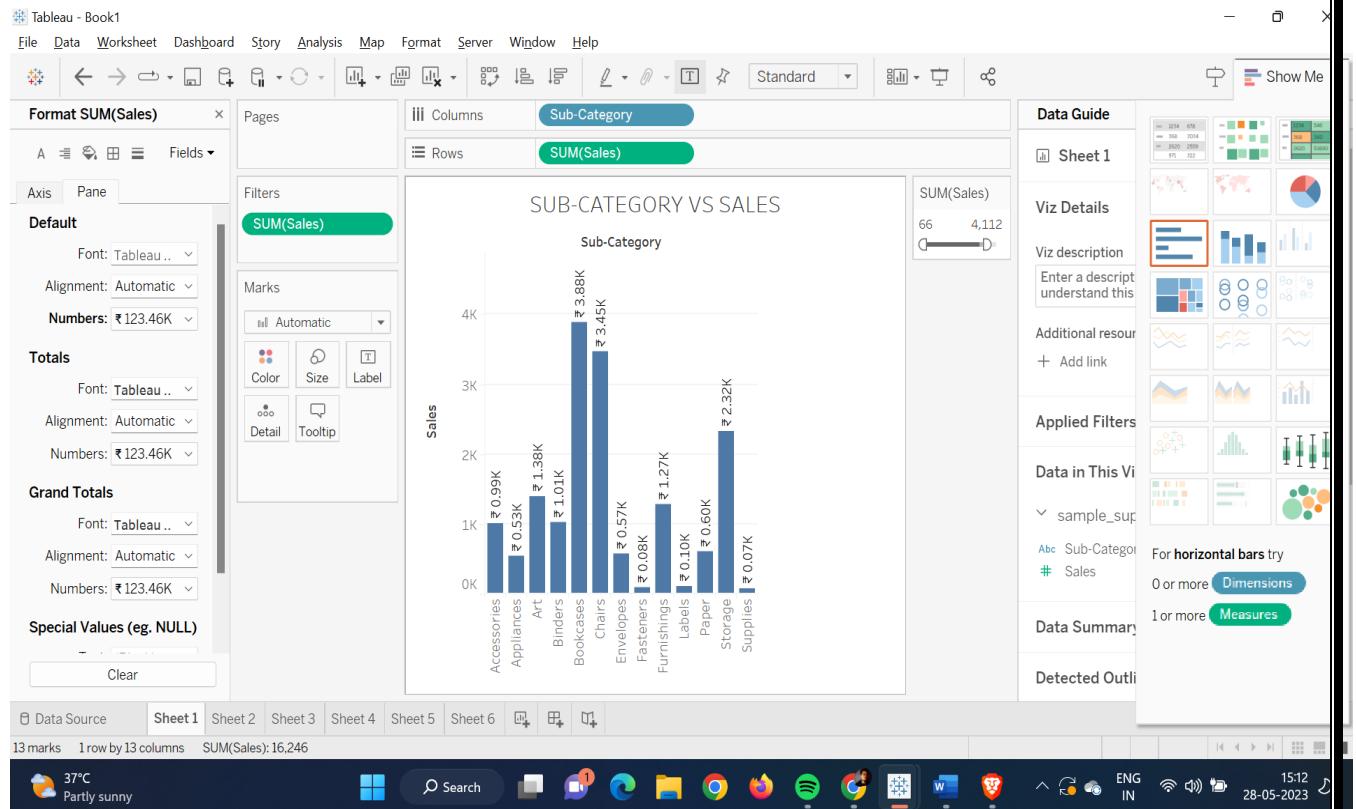
Circle views on Quantity vs Profit data:

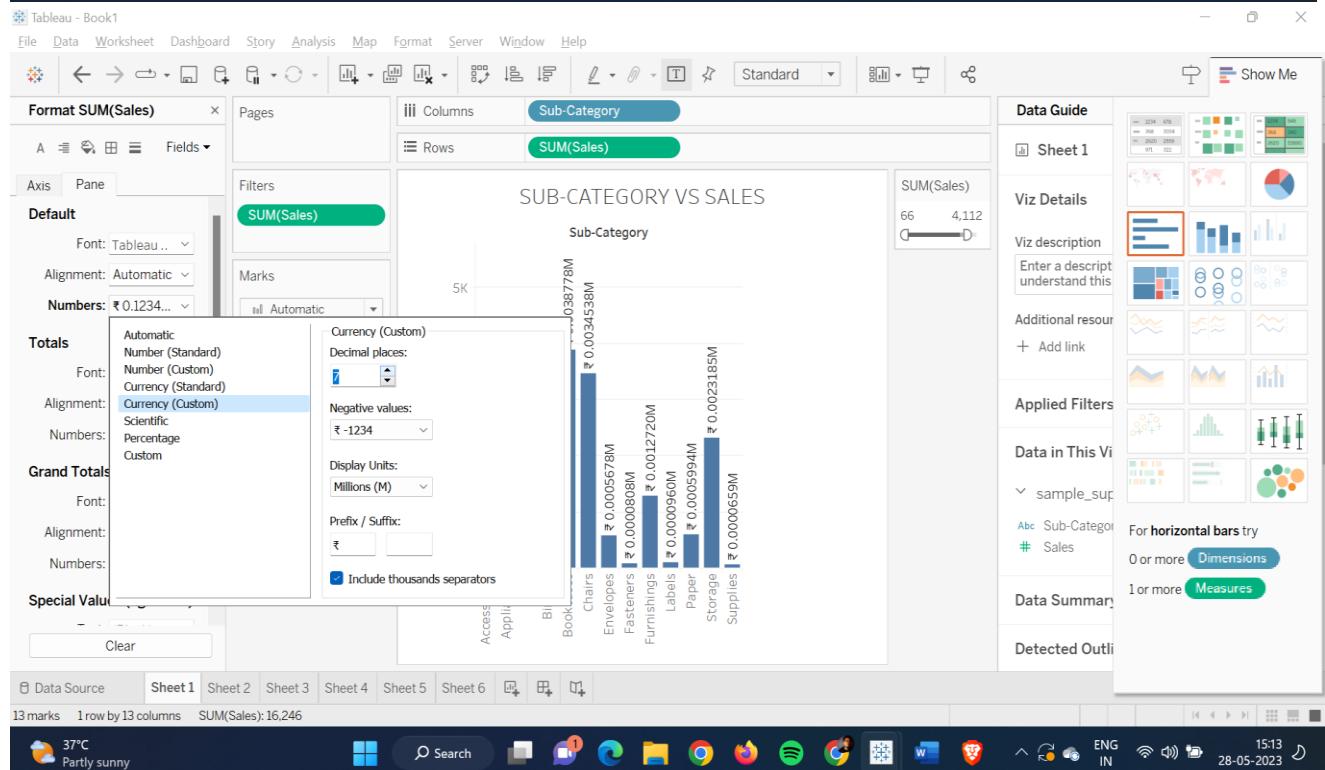
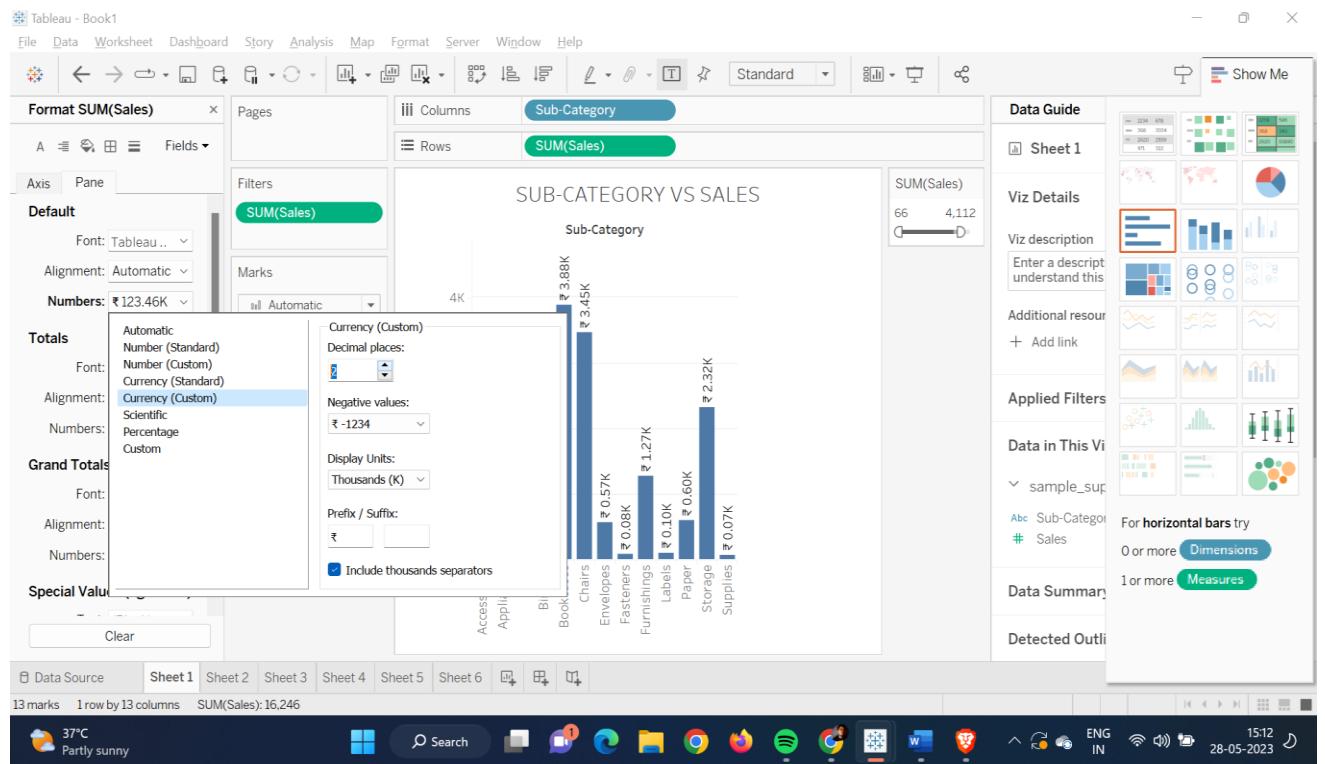


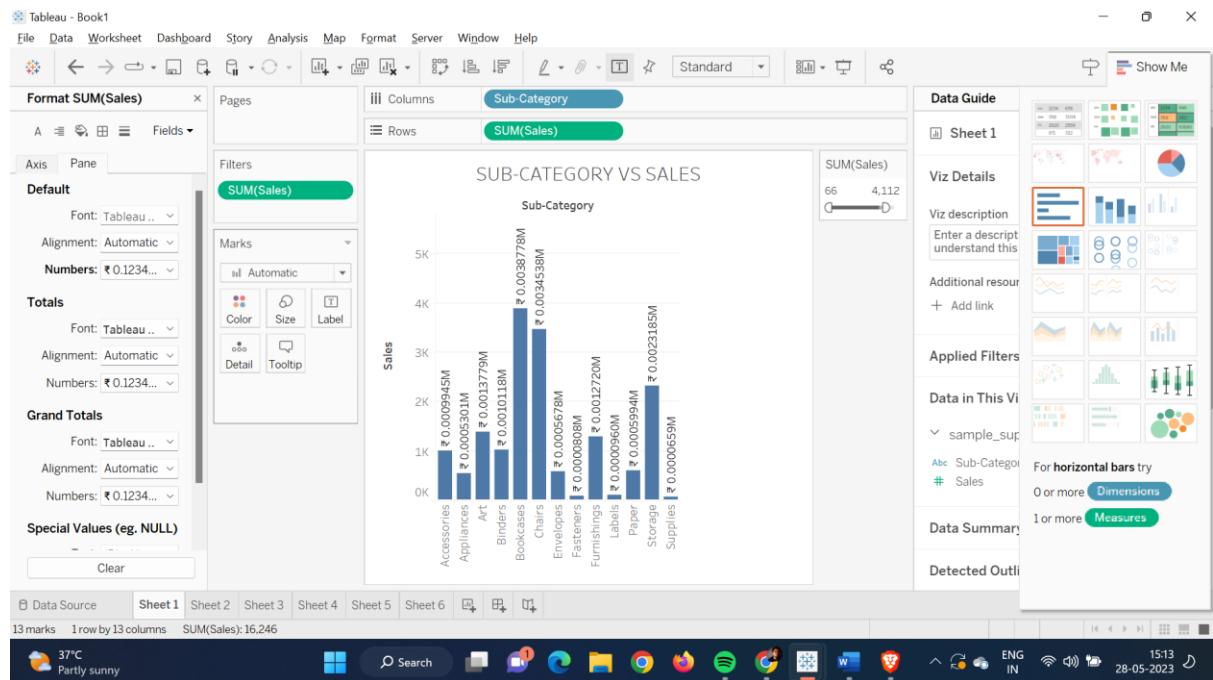
2) Apply dimension filter, context and measure filter on any of the three Visualizations

DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:

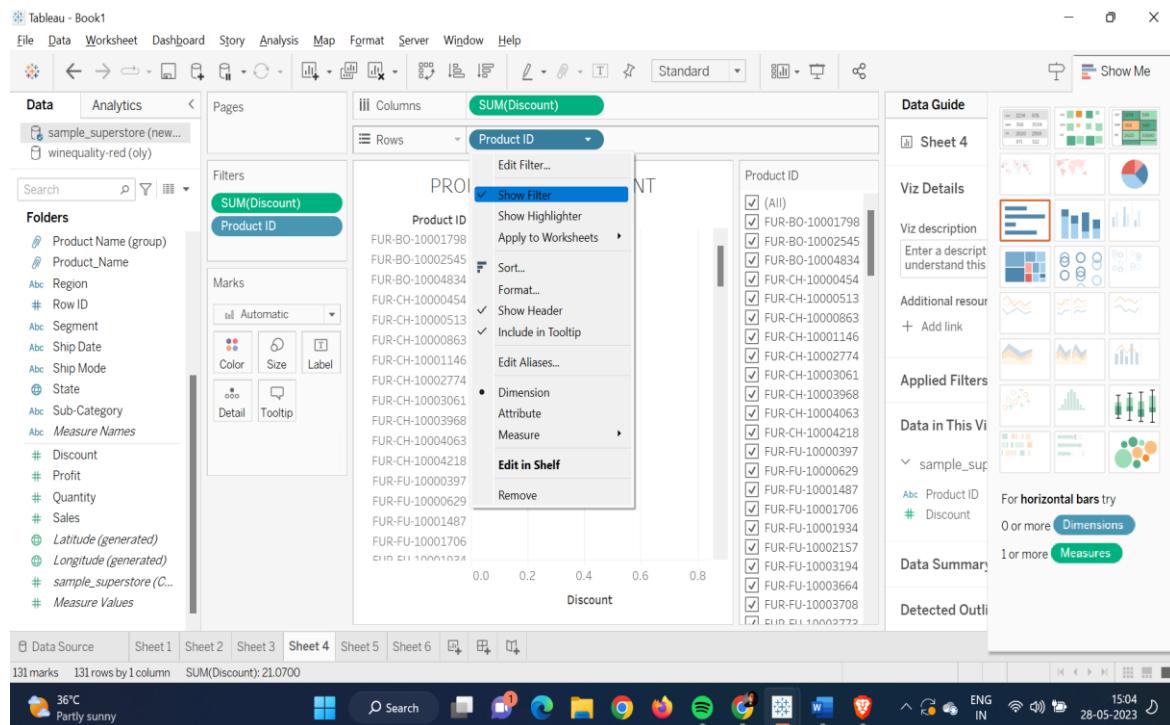


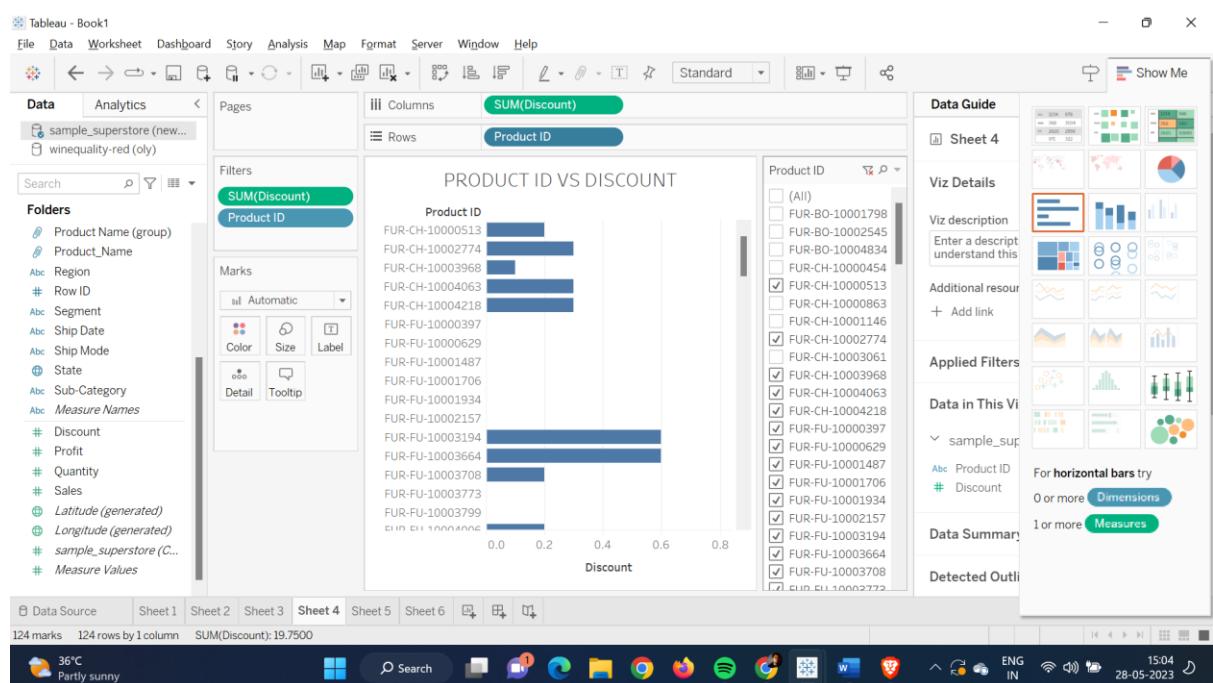
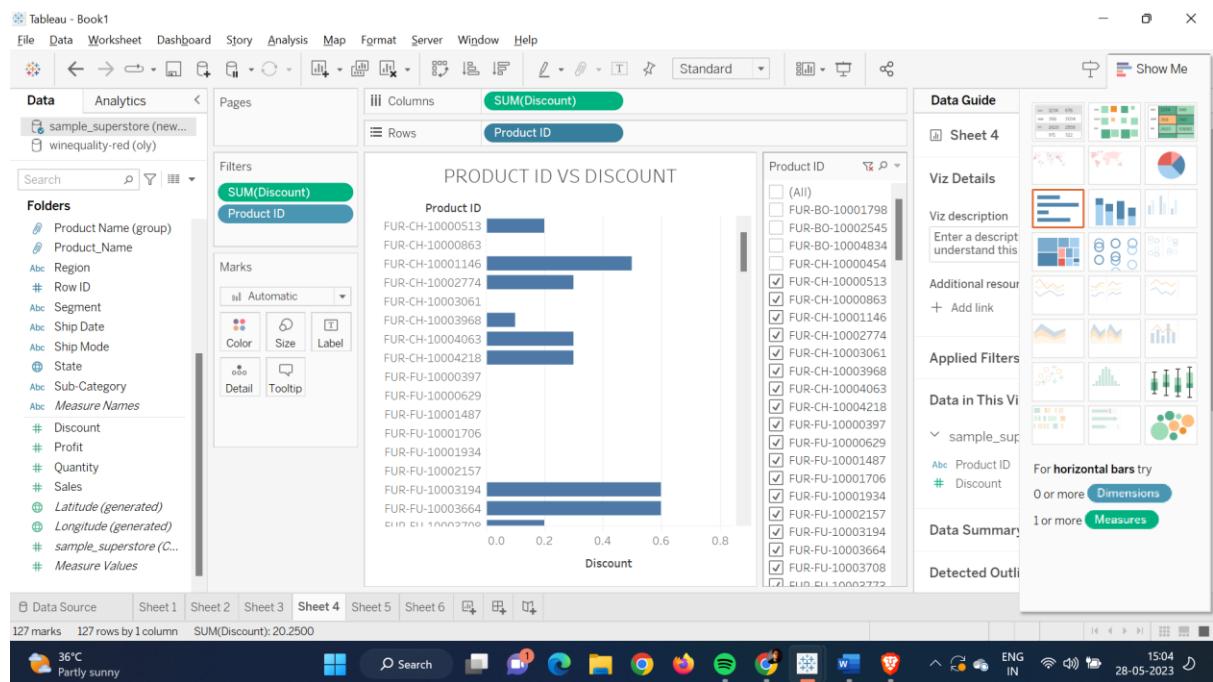


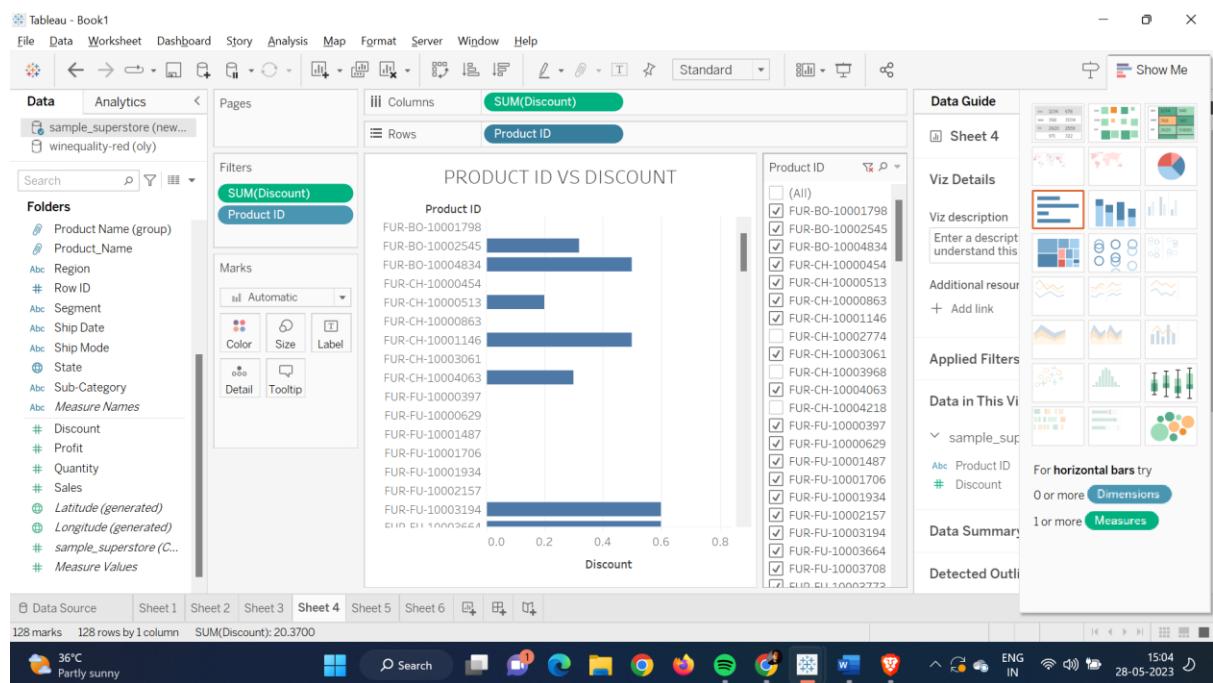
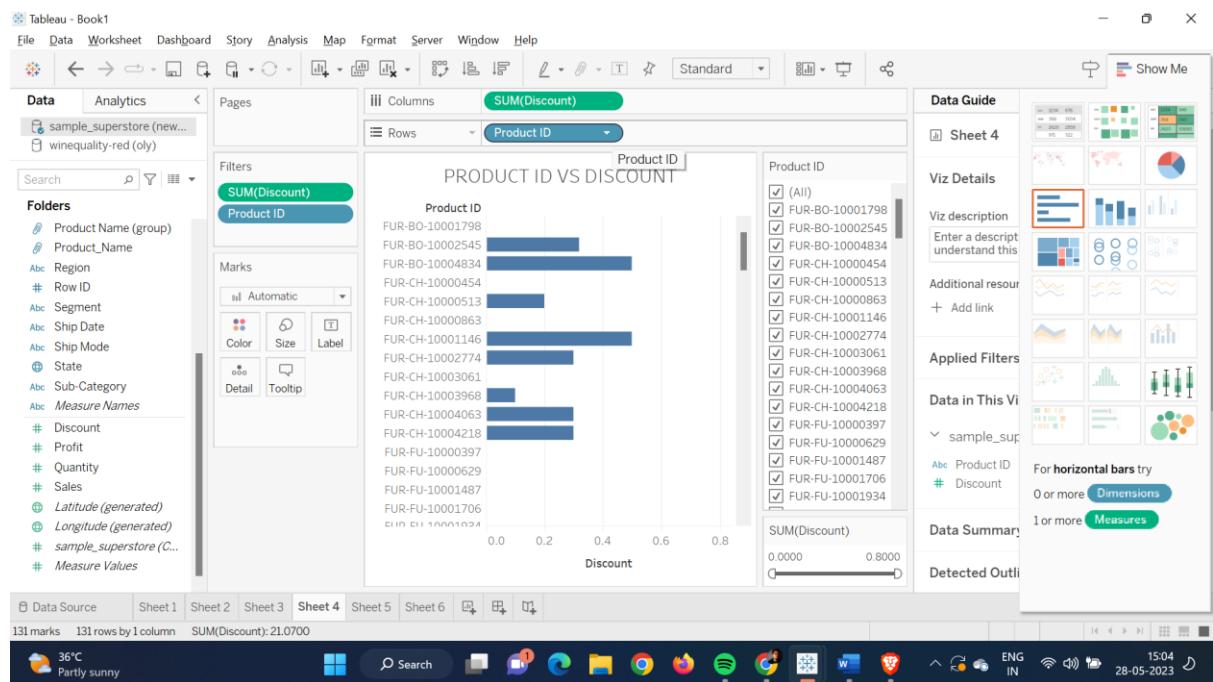




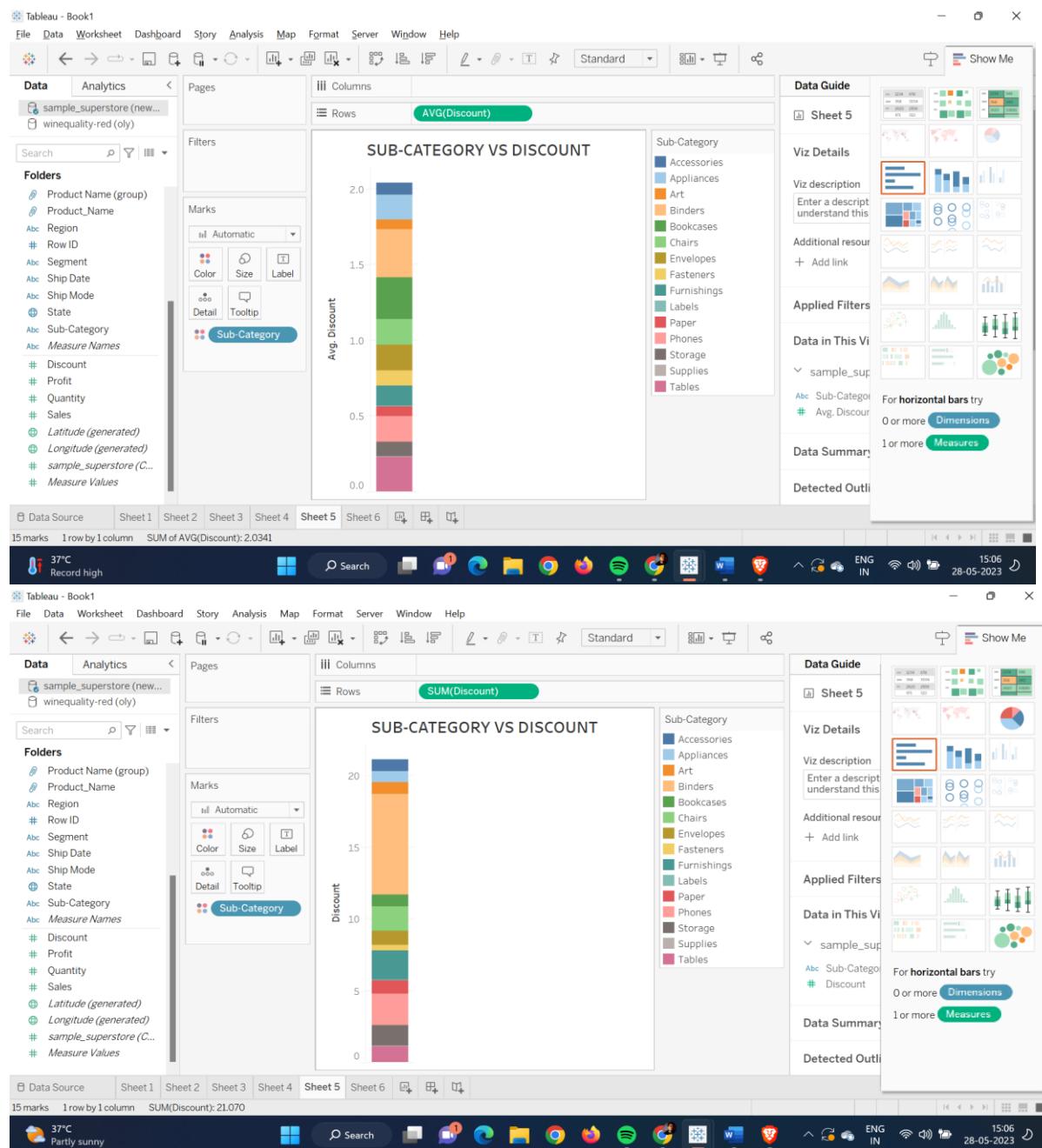
CONTEXT FILTER ON HORIZONTAL BAR GRAPH:

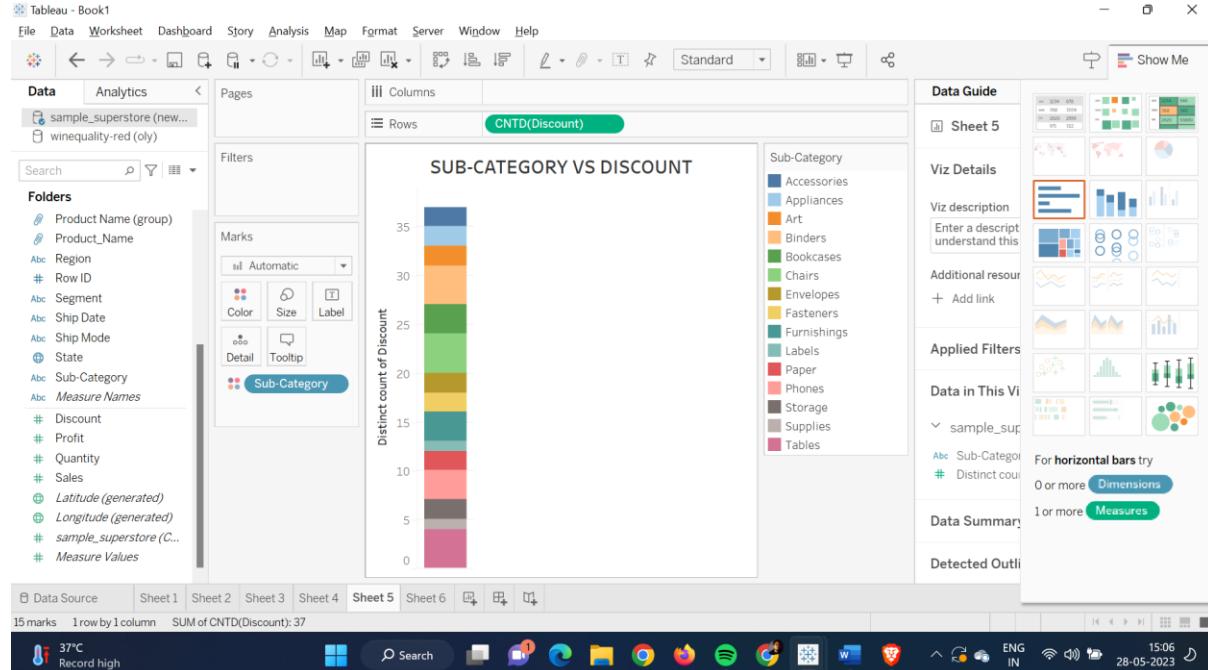
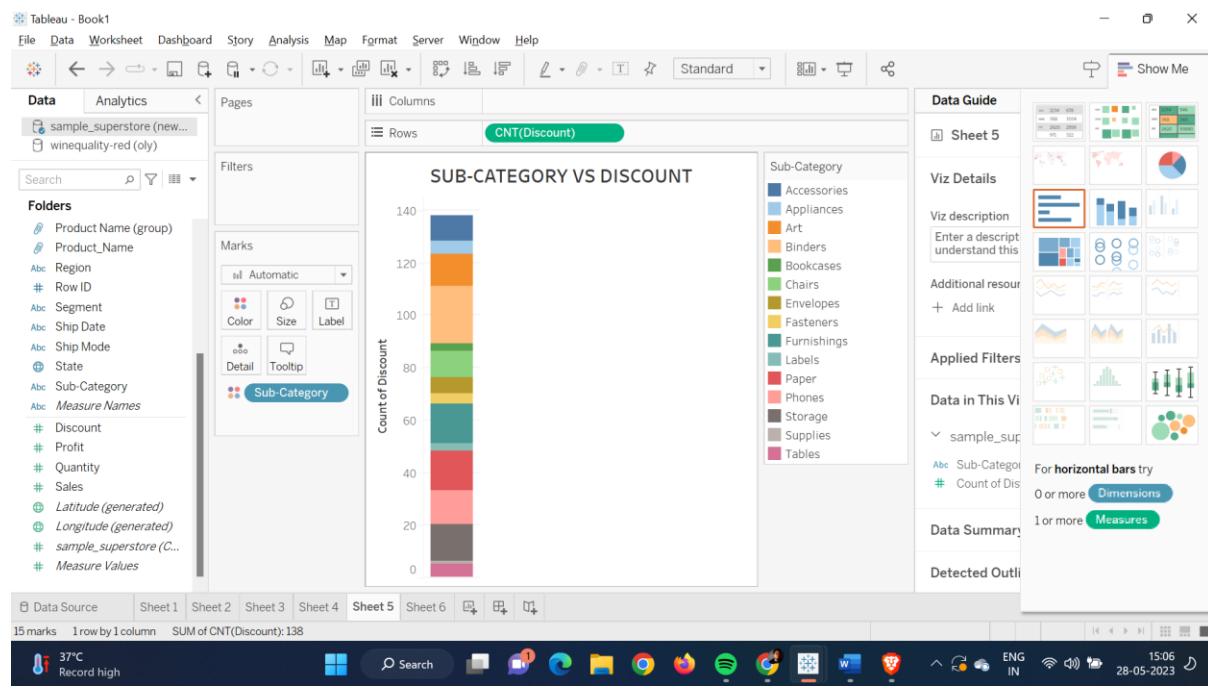






MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:



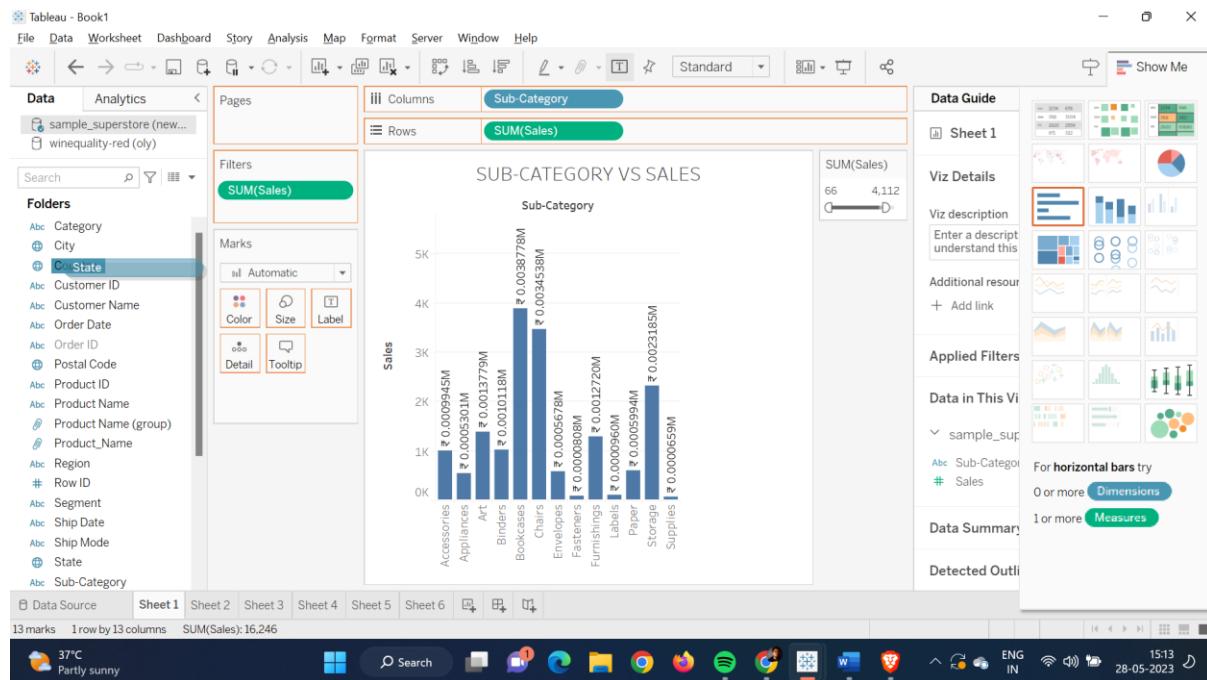


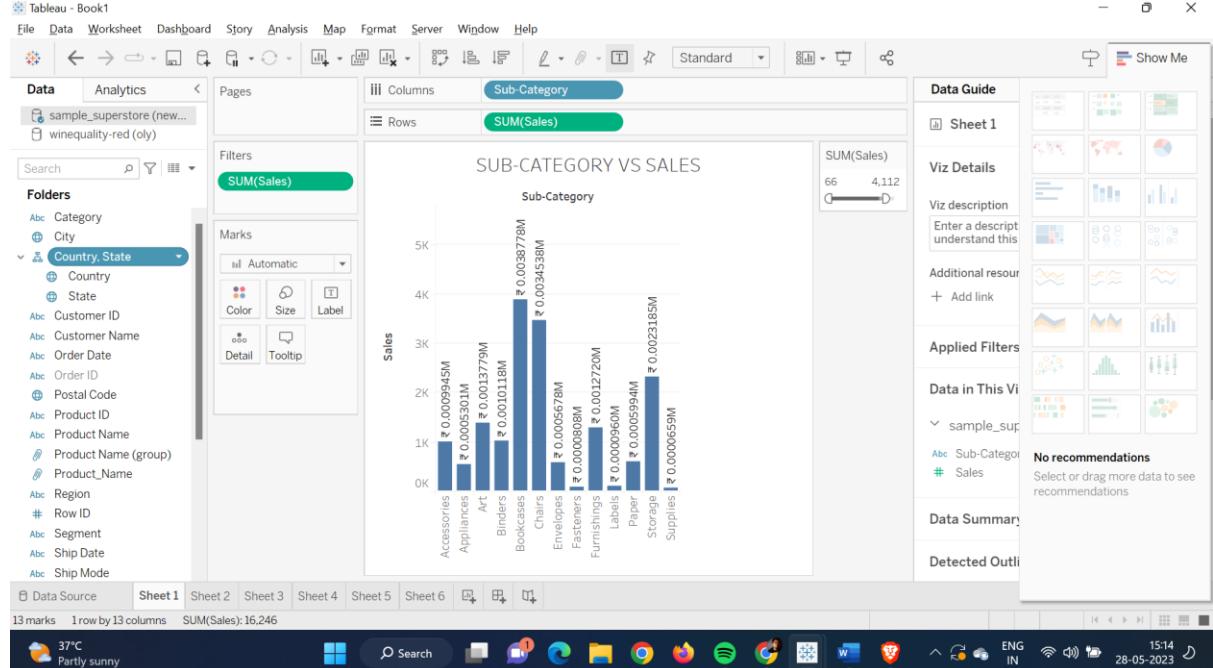
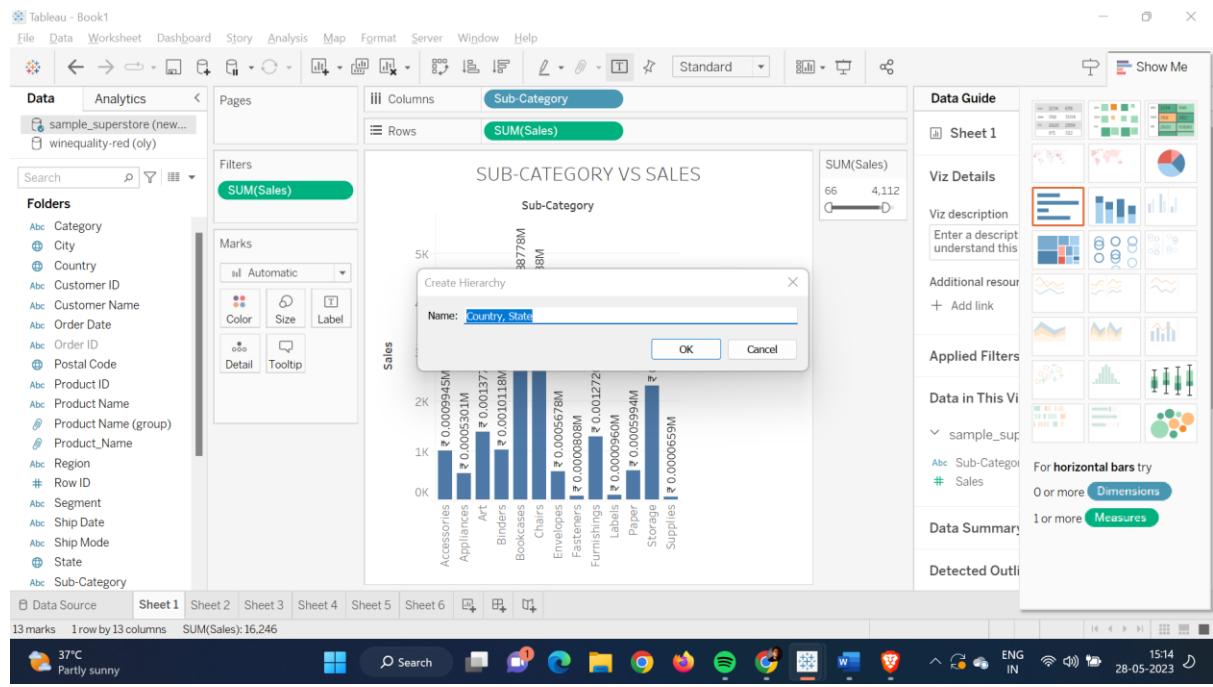
3) Perform the following data manipulations on your dataset

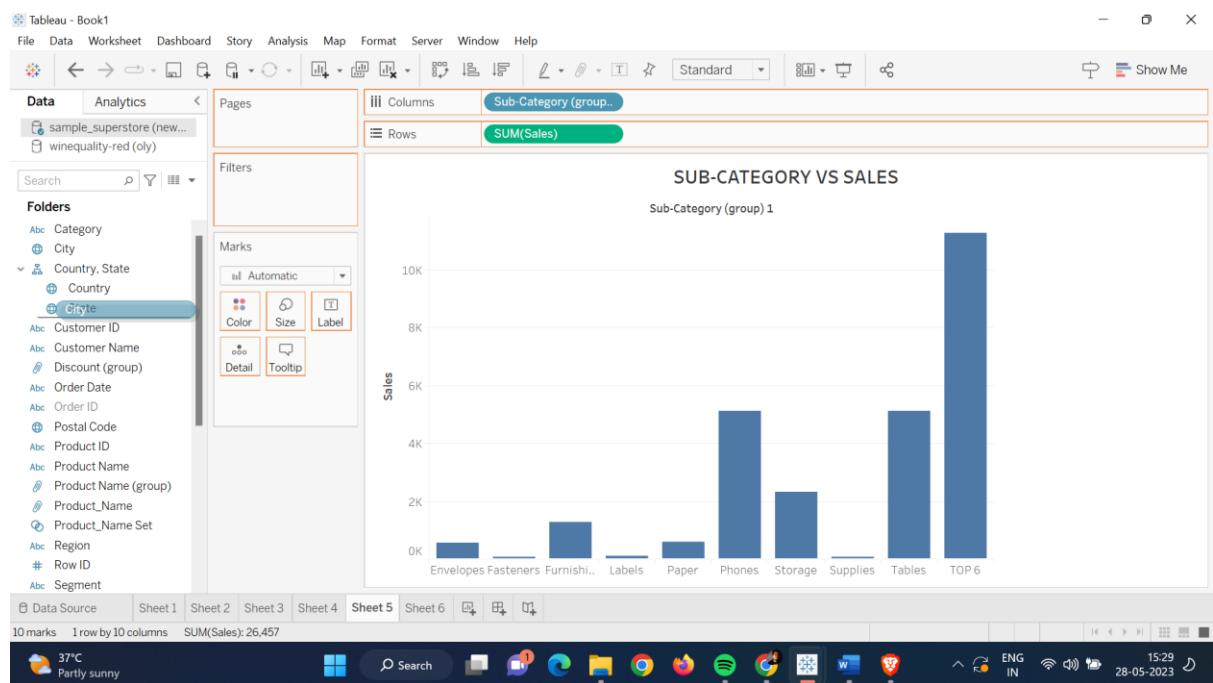
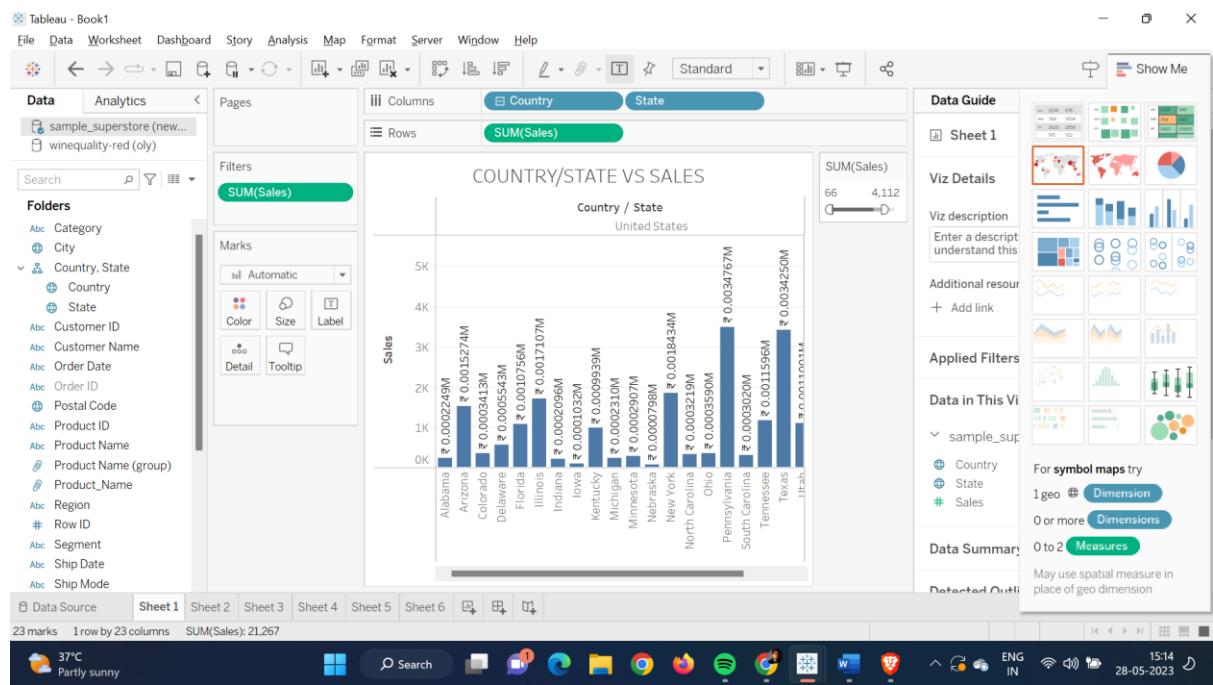
- create a Hierarchy
- create a set
- create a group

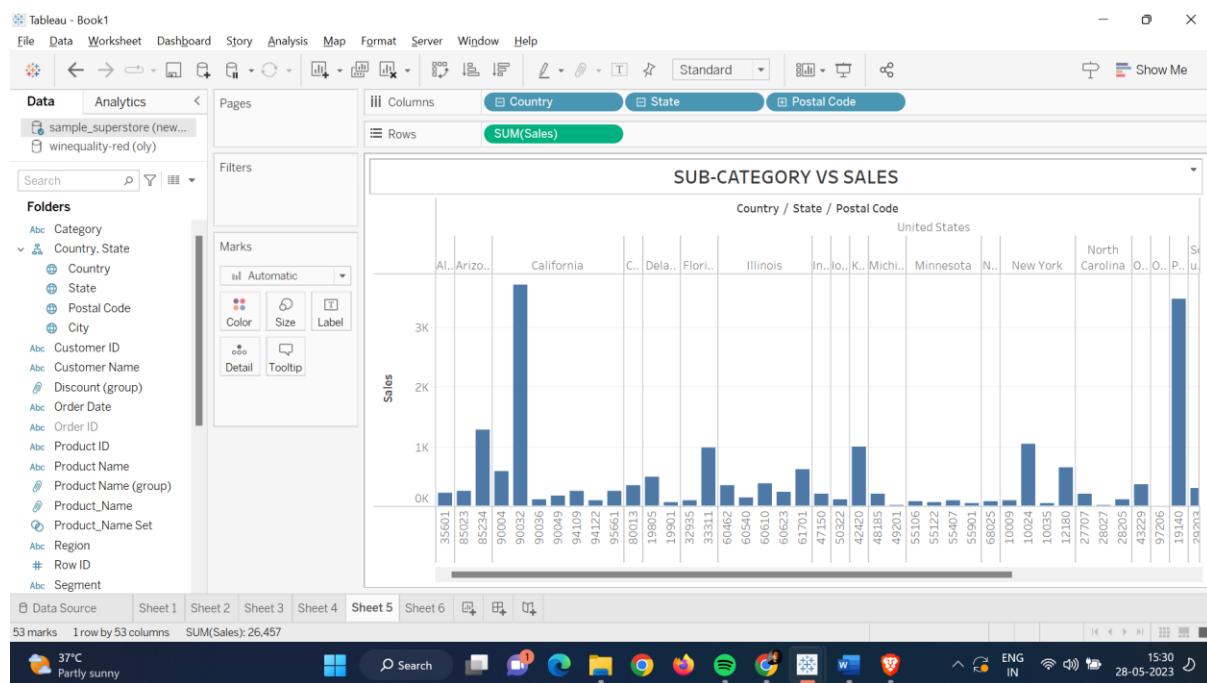
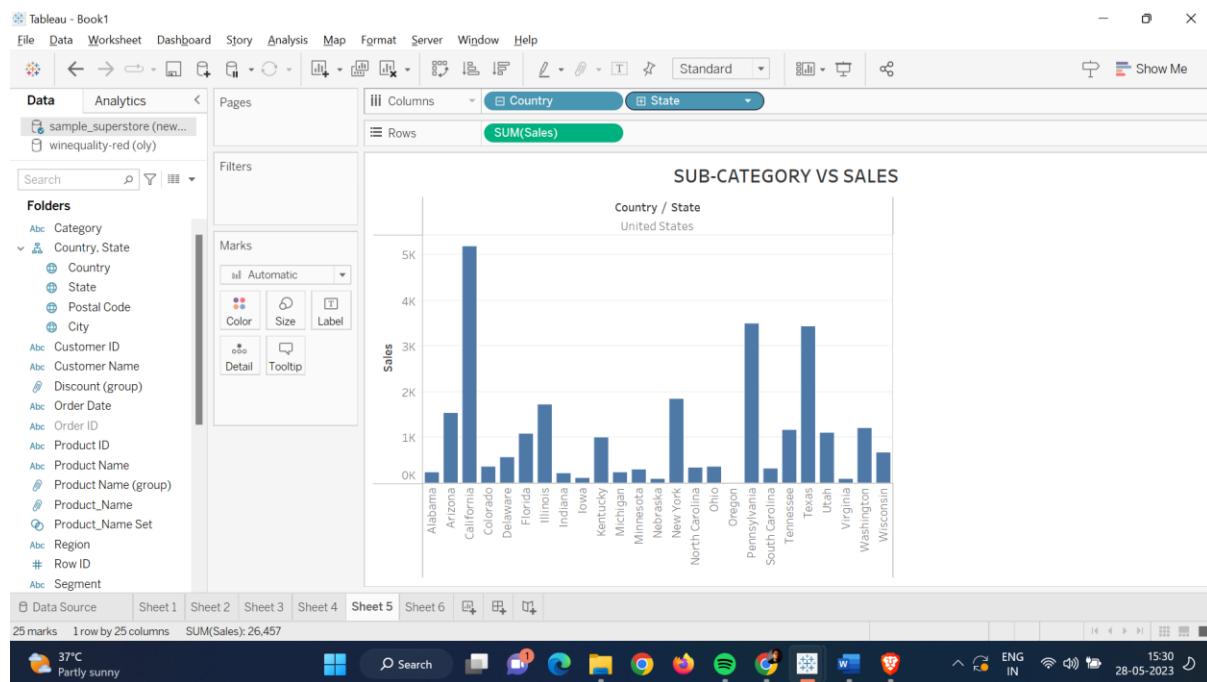
Create hierarchy:

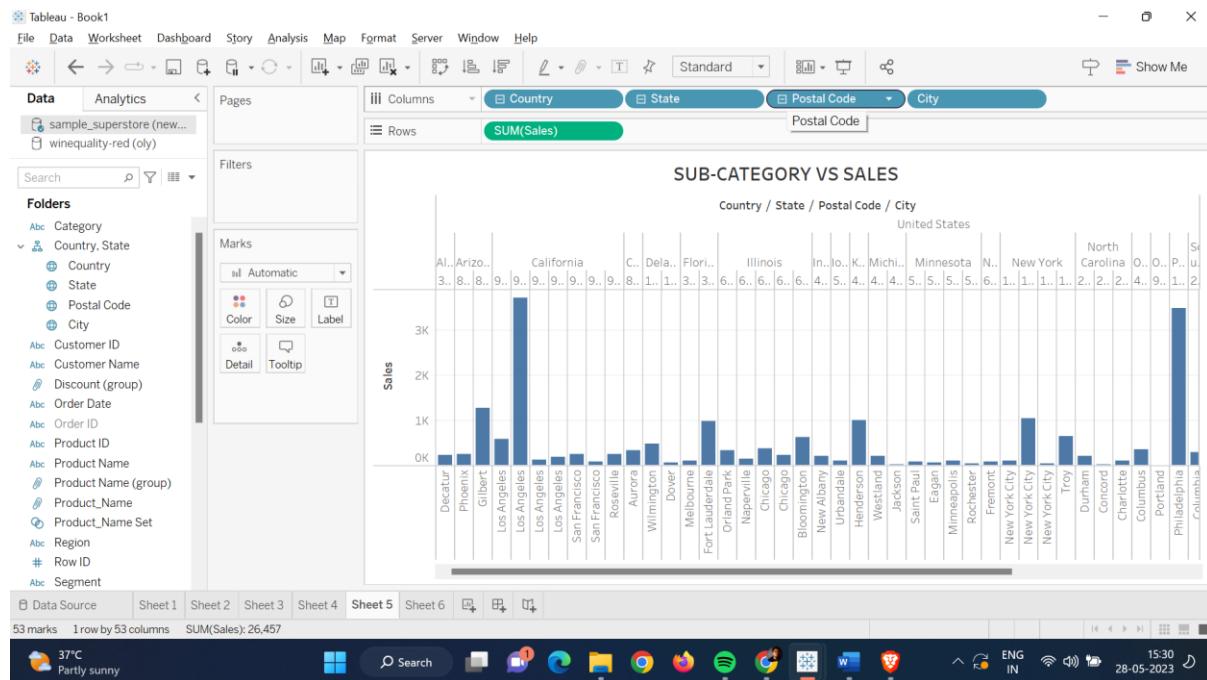
I have created a location hierarchy and it consists of country, state, city and postal code as shown below and displayed the bar graph of quantity based on location hierarchy:











Create a set:

I have created a set of IN/OUT of product_name_set as shown below:

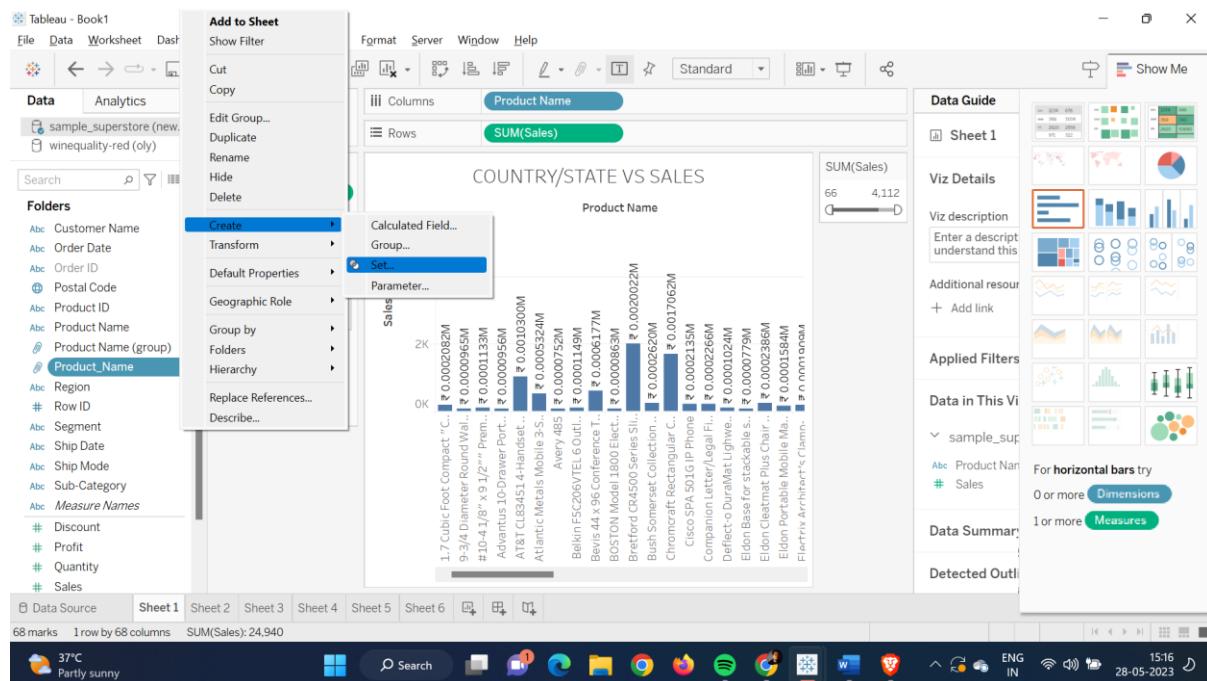


Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

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 Perchment 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

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

Sales

66 4,112

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

37°C Partly sunny

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

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

Sheet 1

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Enter a description understand this

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Data in This View

sample_sup

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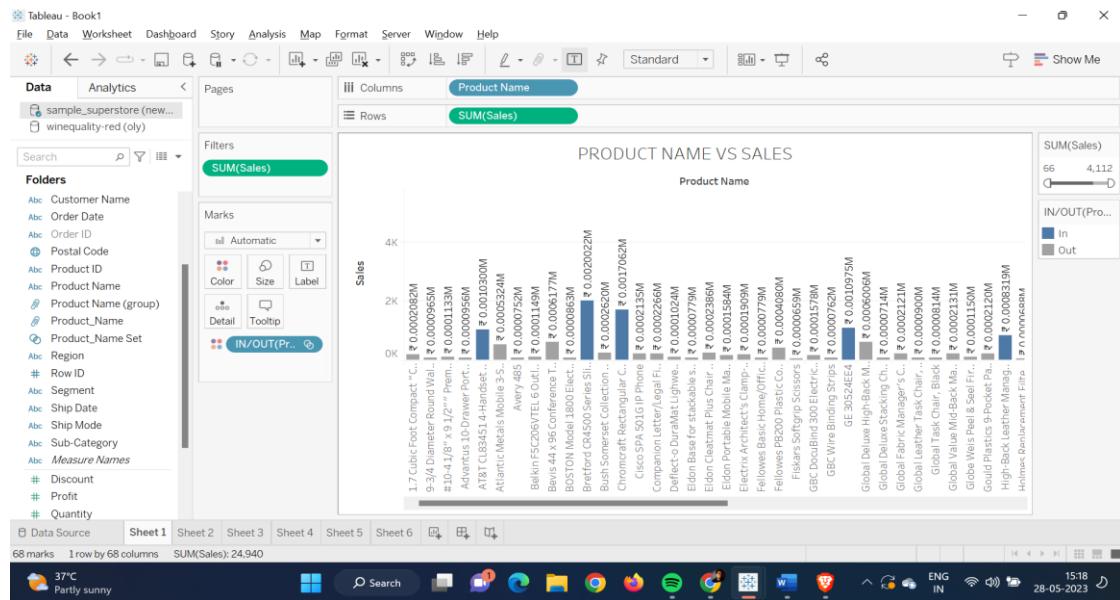
Detected Outliers

Sales

66 4,112

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

37°C Partly sunny



Create a group:

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

