



SMART BRIDGE DATA ANALYTICS

ASSIGNMENT –2

Tasks:

1) Create any 7 data visualizations/charts and perform the following 2)

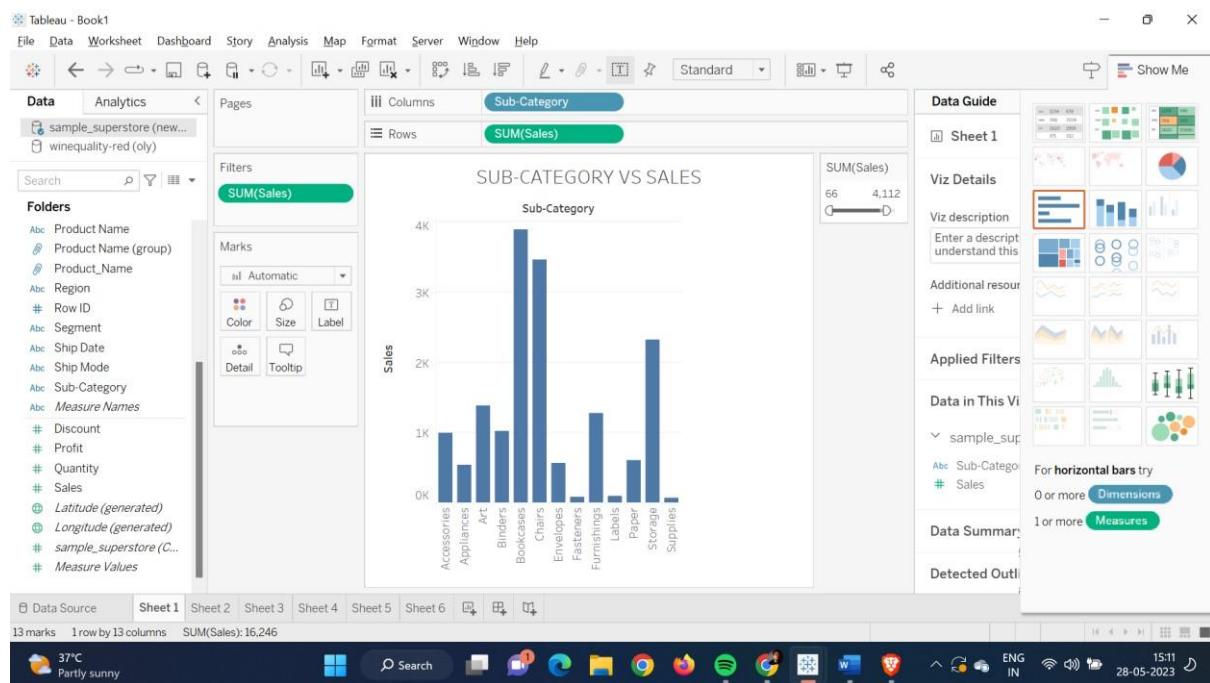
Apply dimension filter, context and measure filter on any of the three visualizations

3) Perform the following data manipulations on your dataset

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

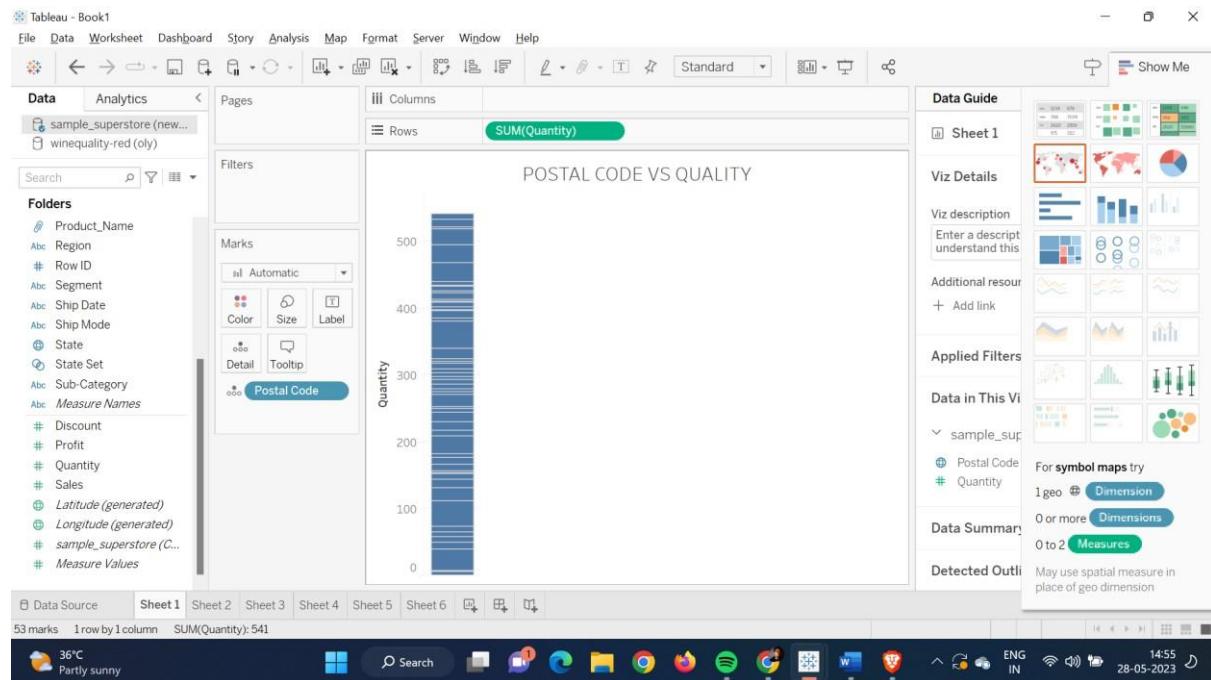
1) Create any 7 data visualizations/charts and perform the following

Bar graph on Sub category-sales data:

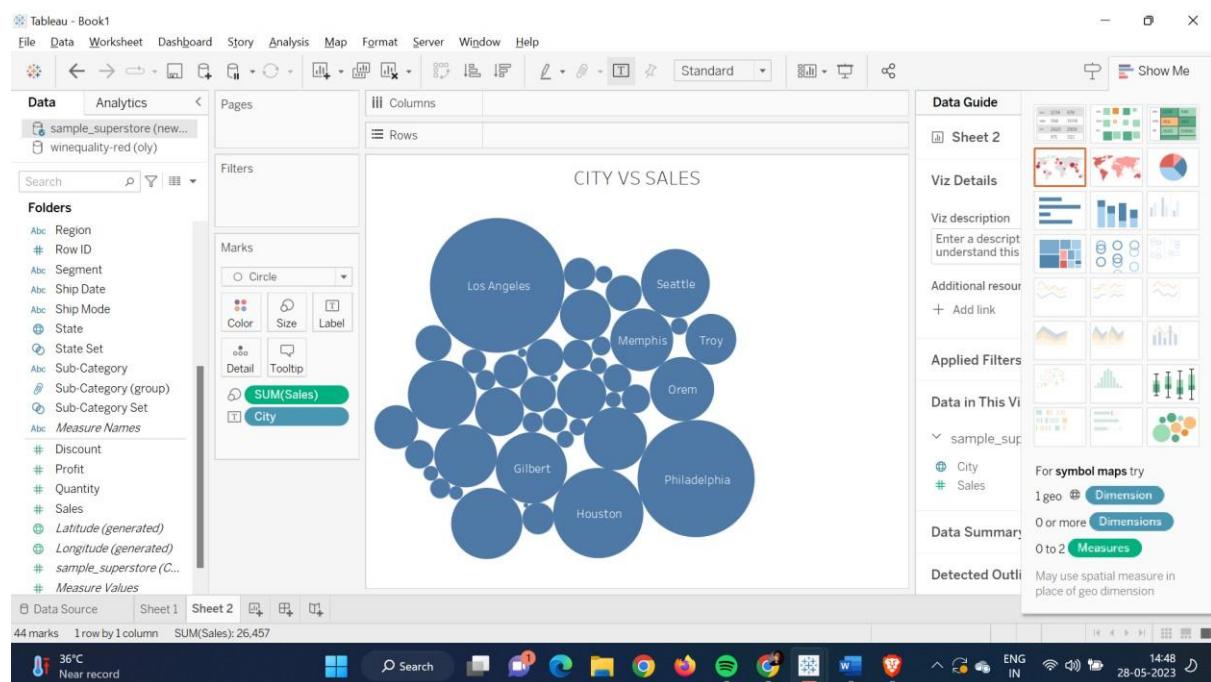


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Stacked bar graph on Postal code vs quality data:

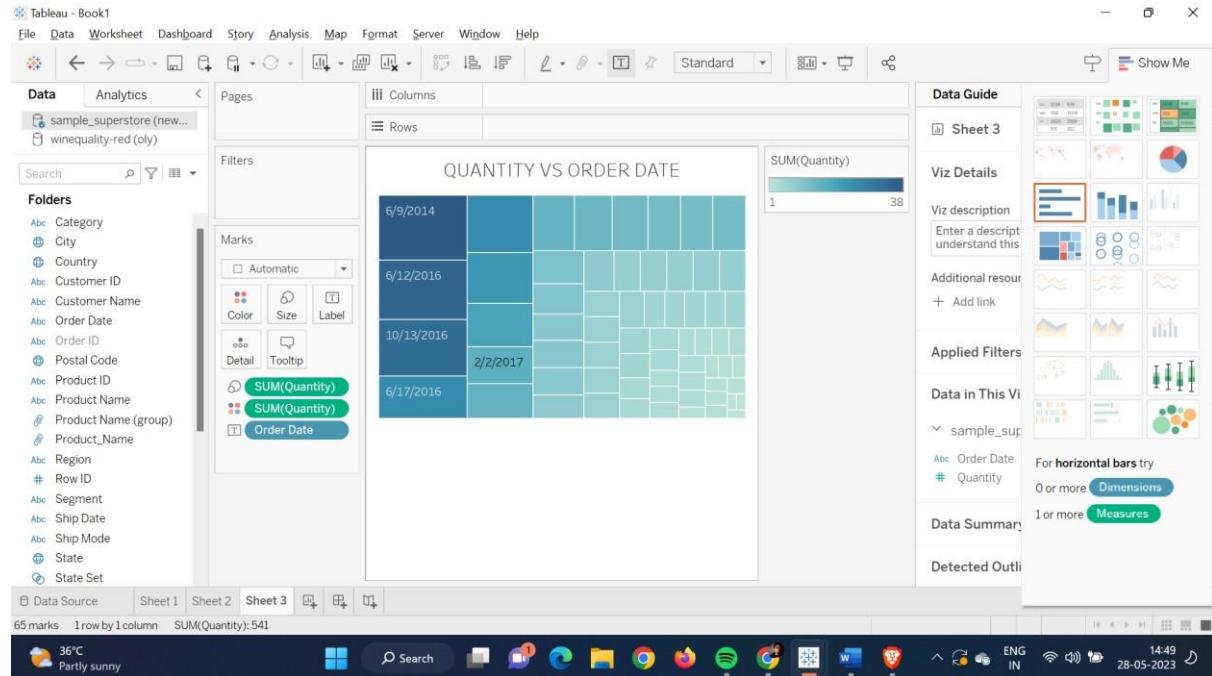


Packed bubble City vs sales data:

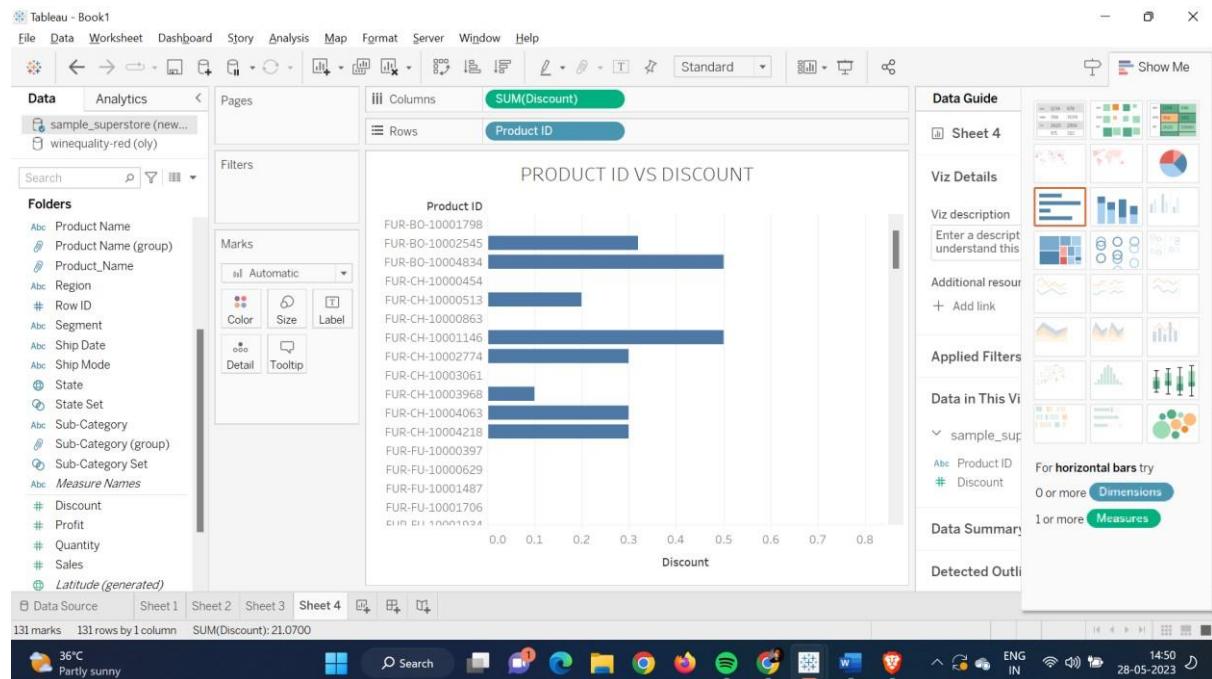


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Tree map graph on Quantity vs Order Date data:

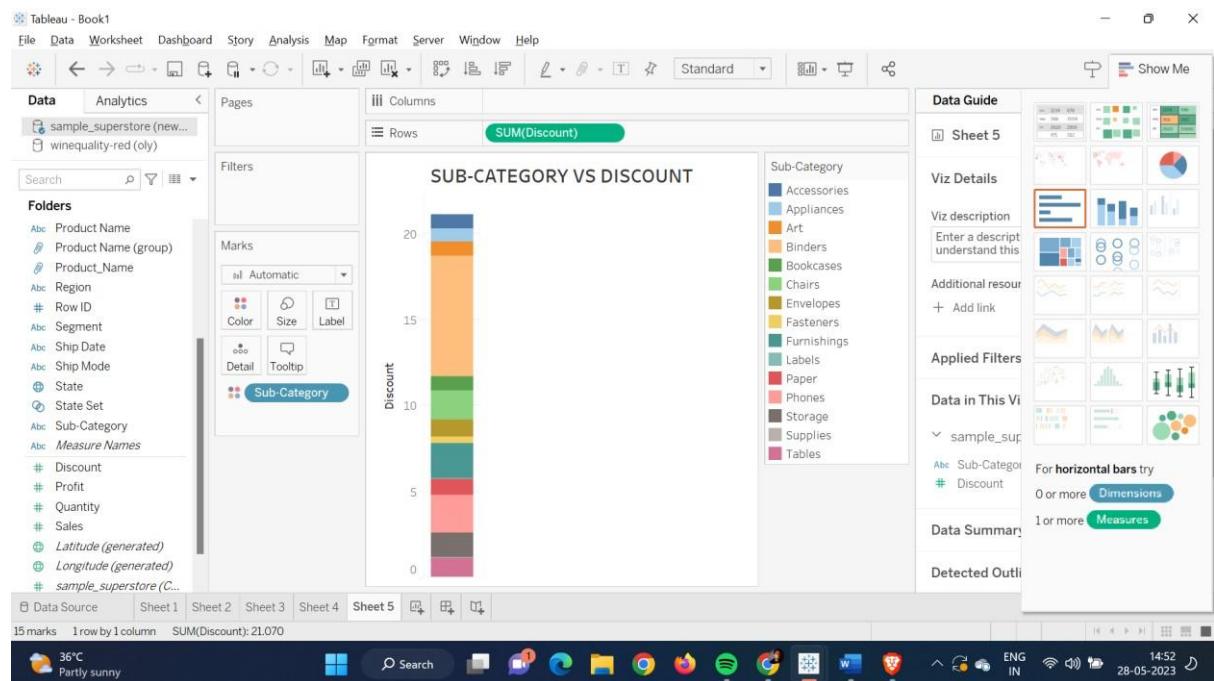


Horizontal maps on state-quantity data:

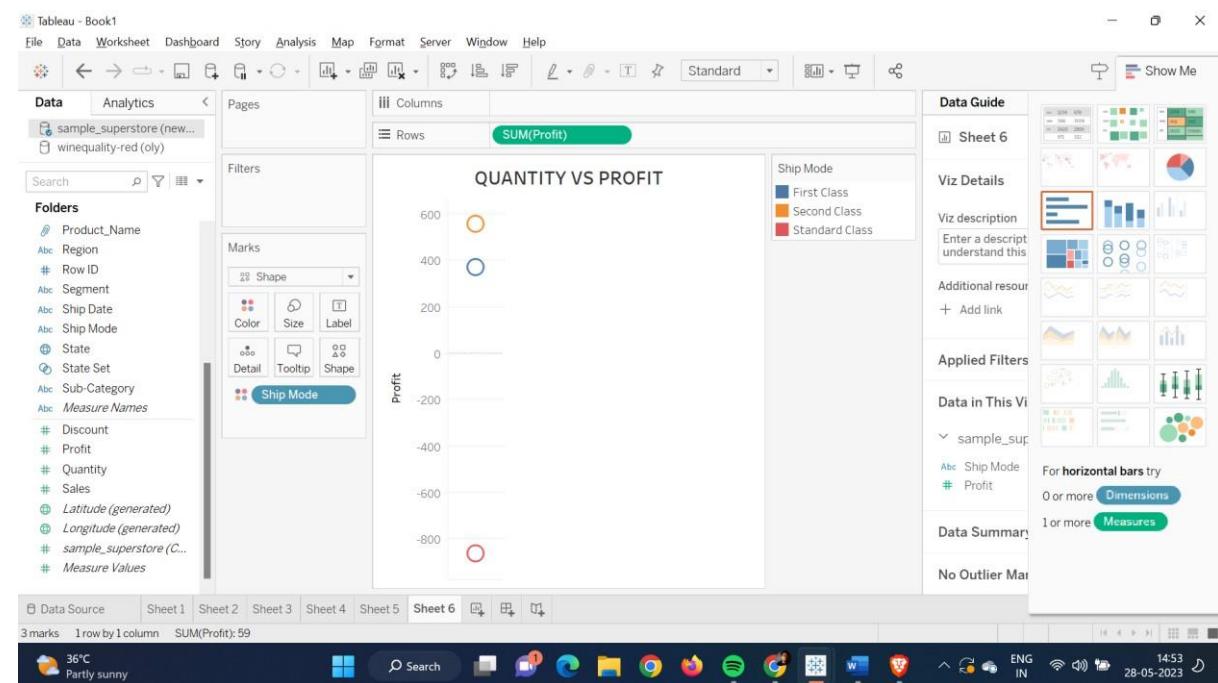


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Heat maps on sub category vs discount data:



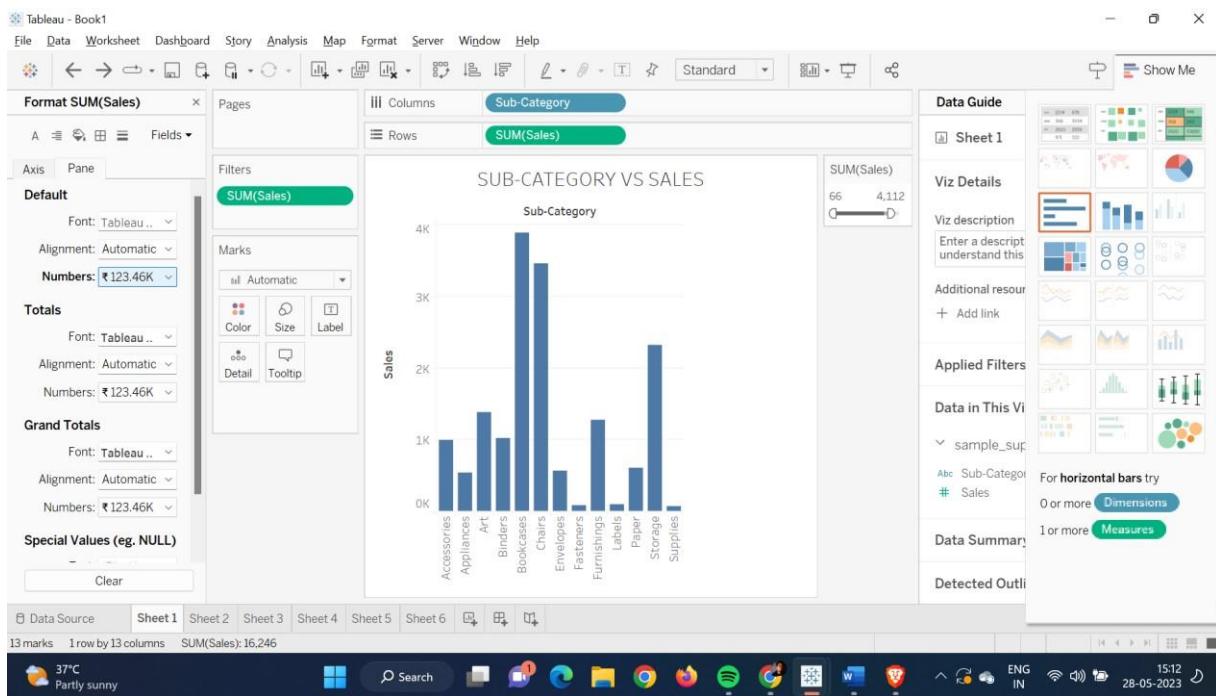
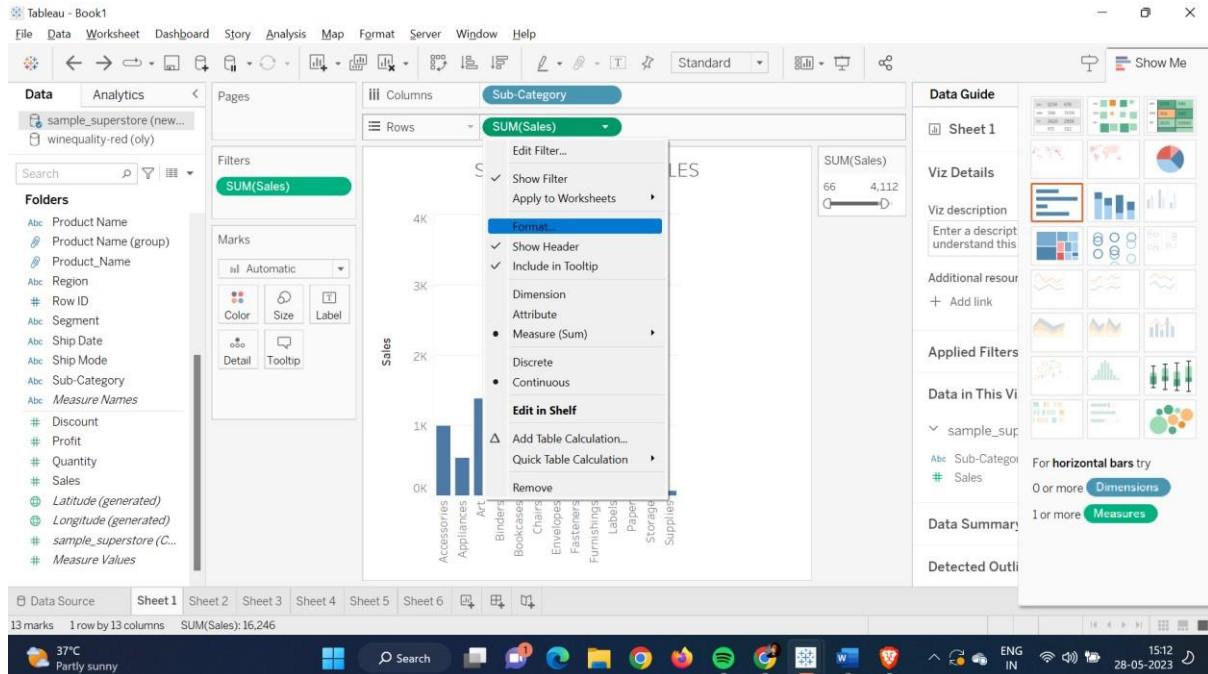
Circle views on Quantity vs Profit data:



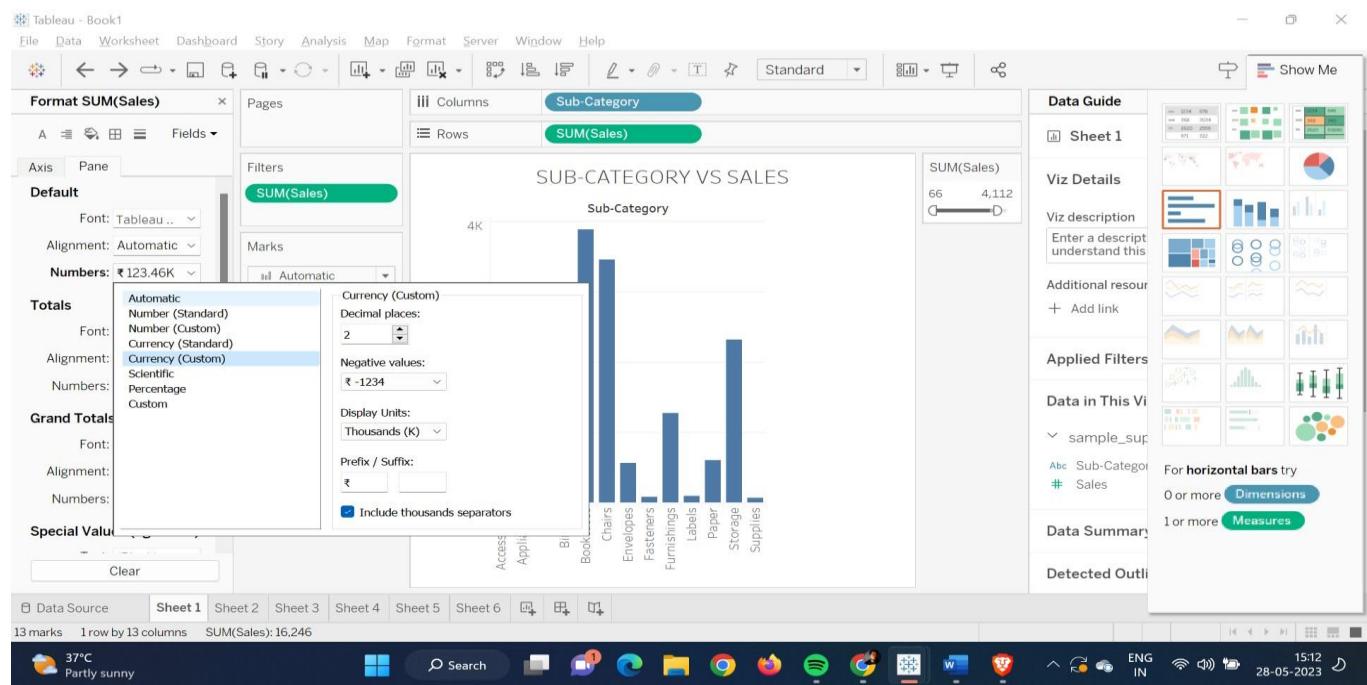
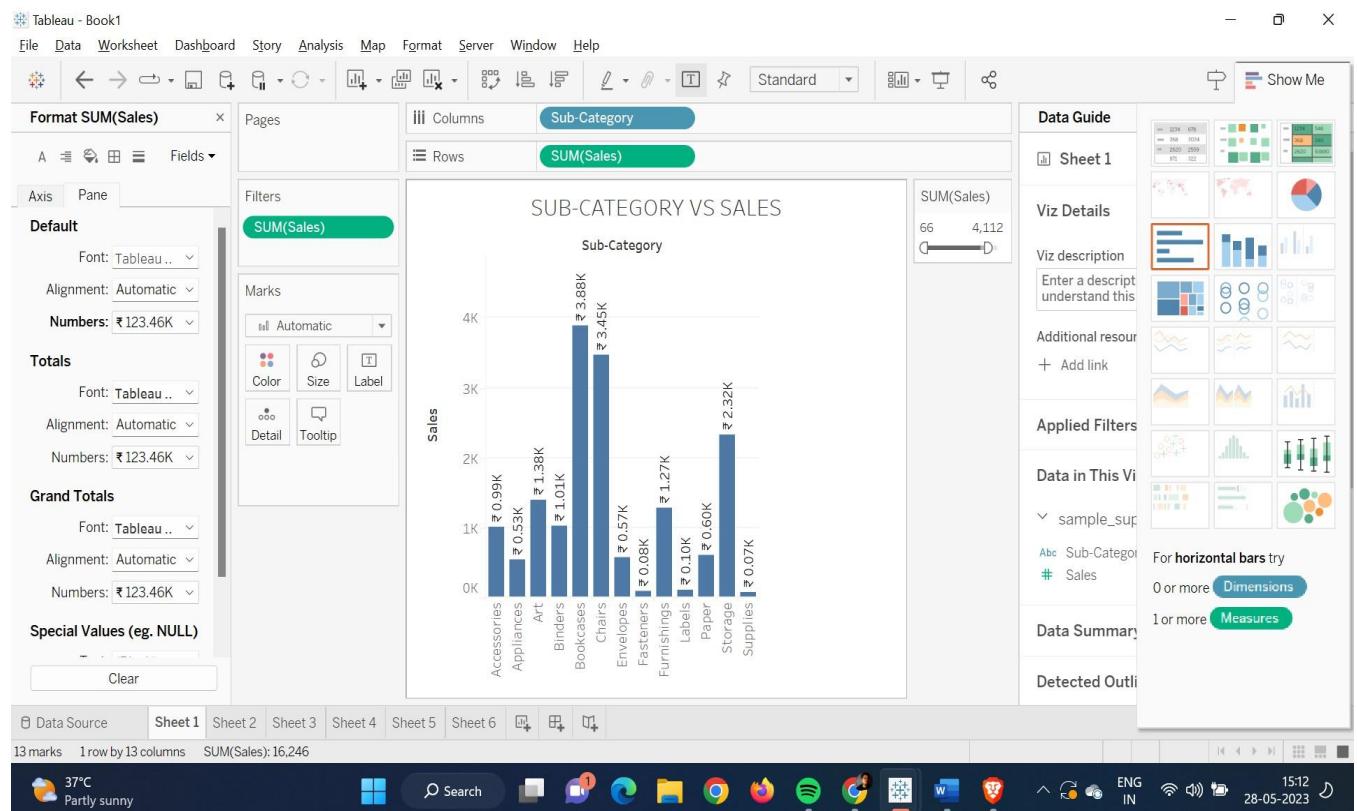
[Type here]

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

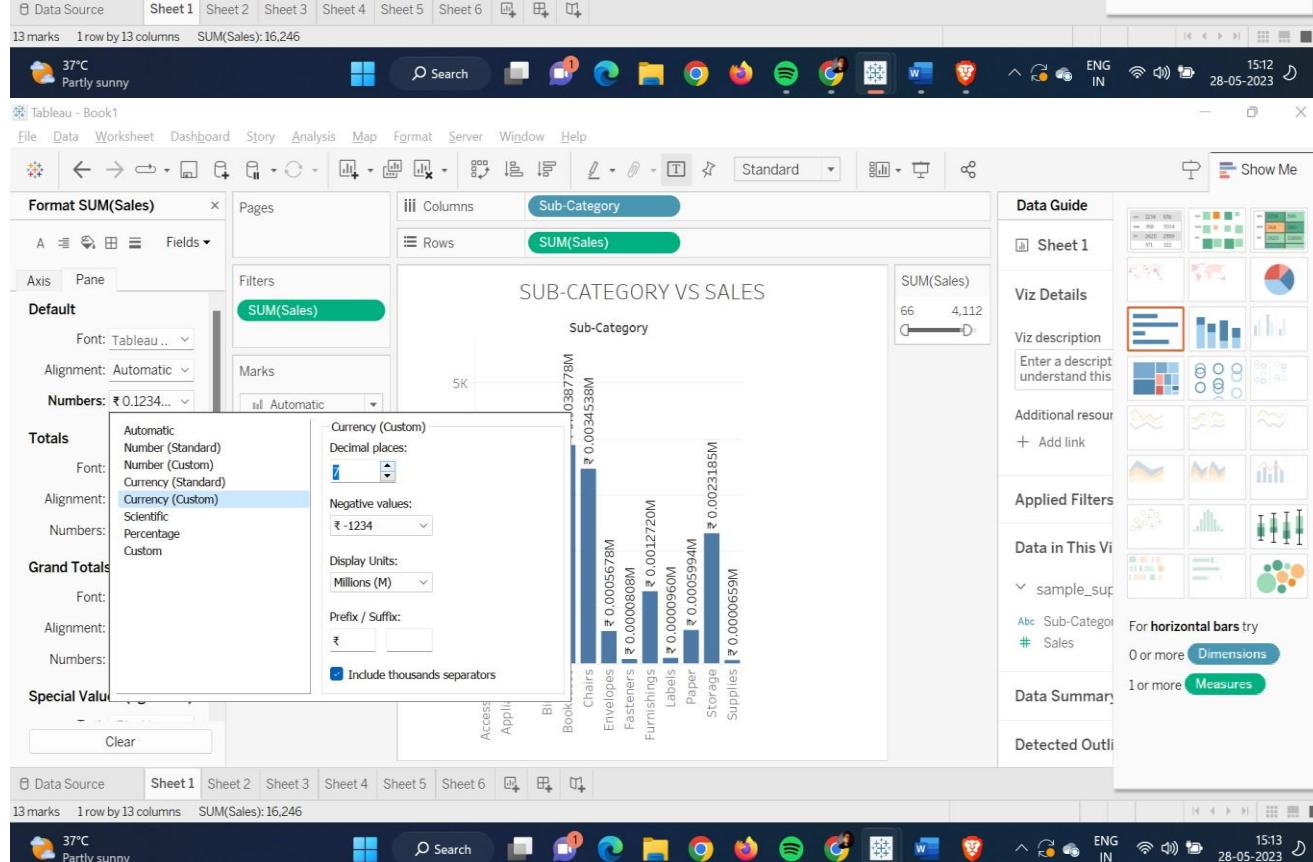
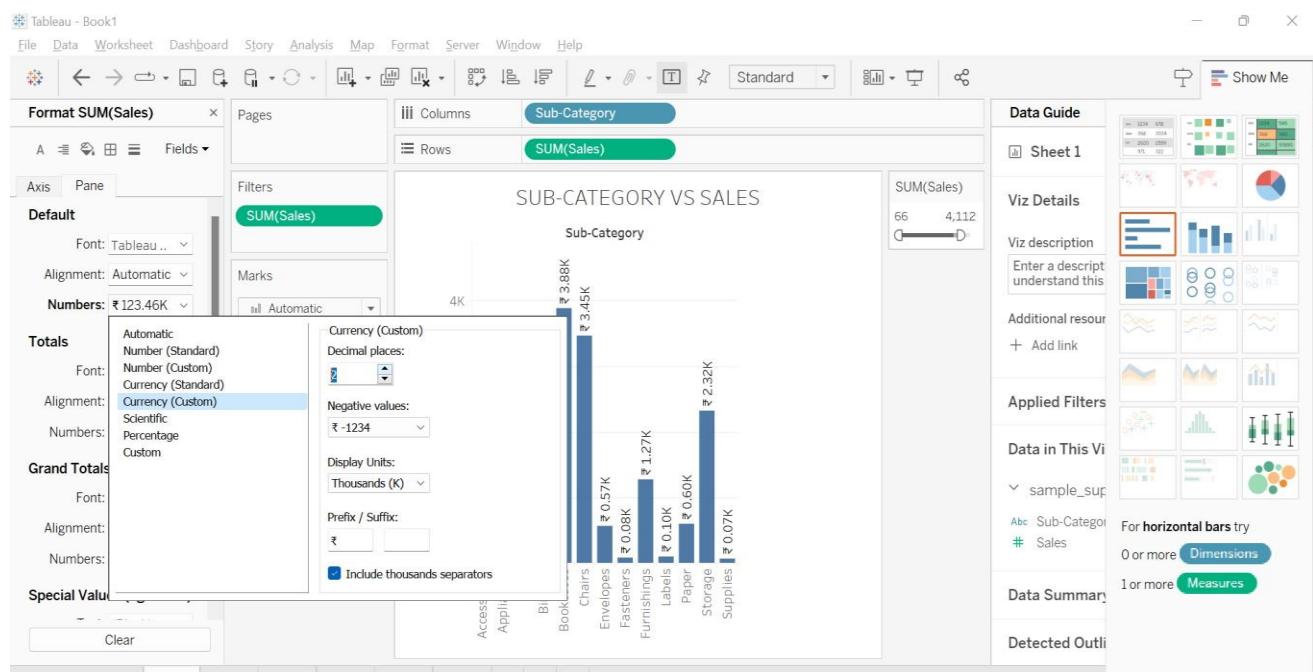
DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:



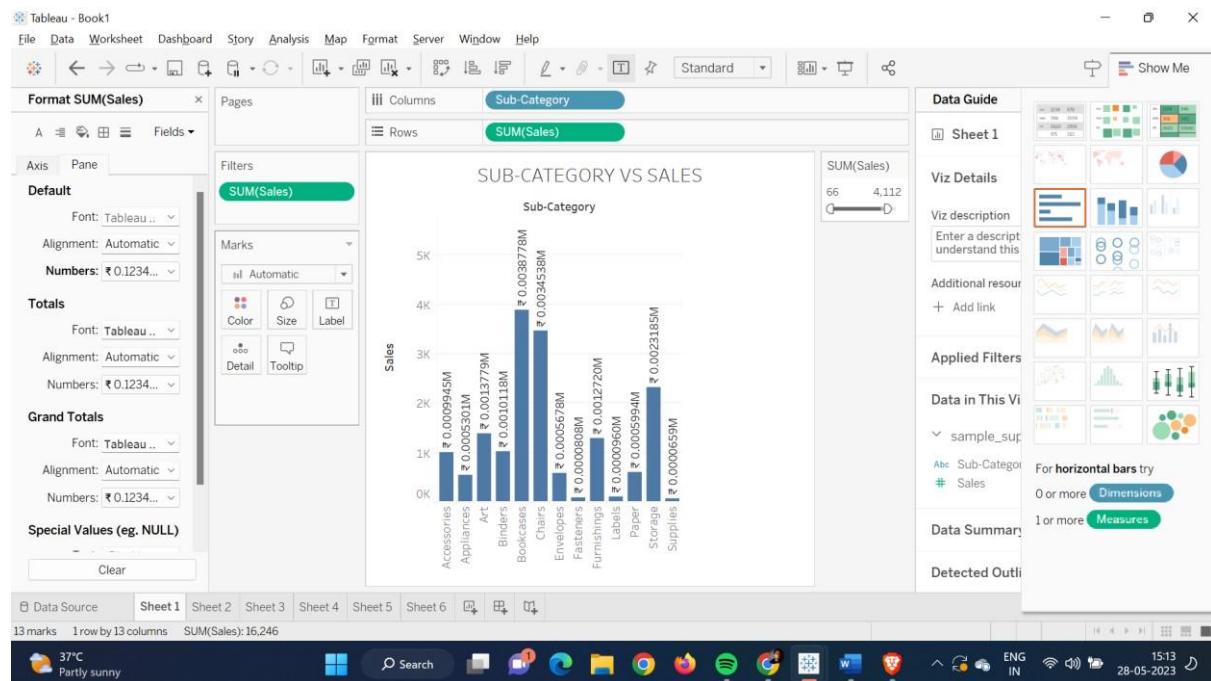
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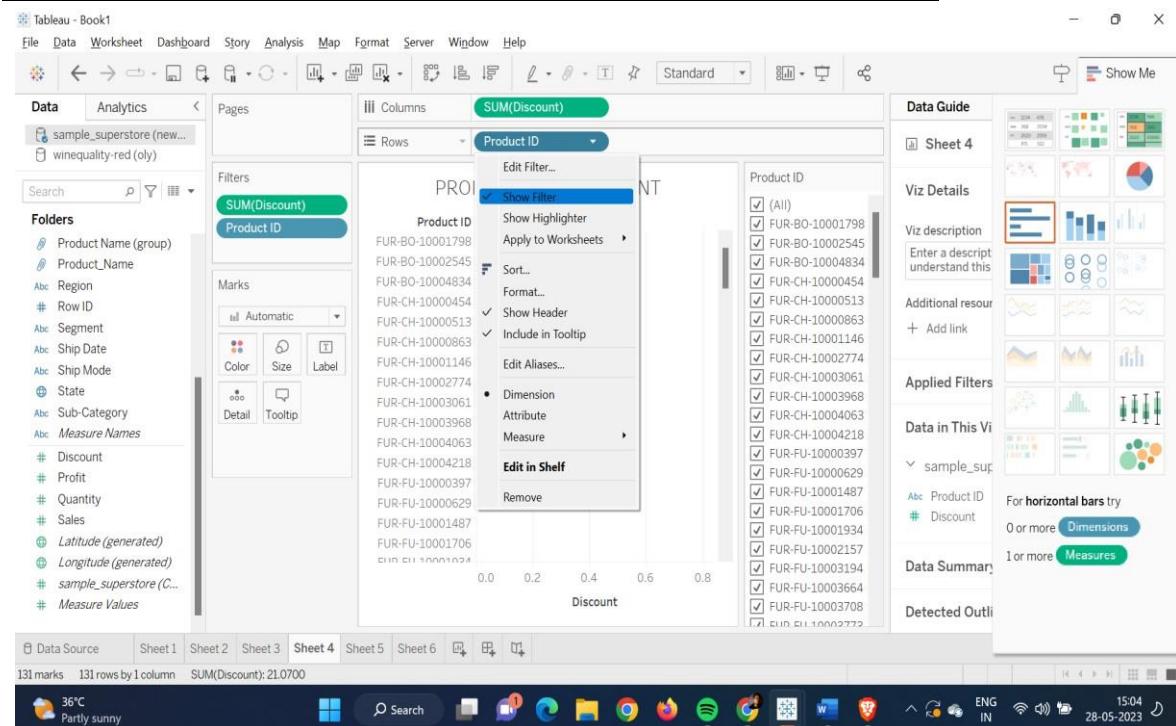
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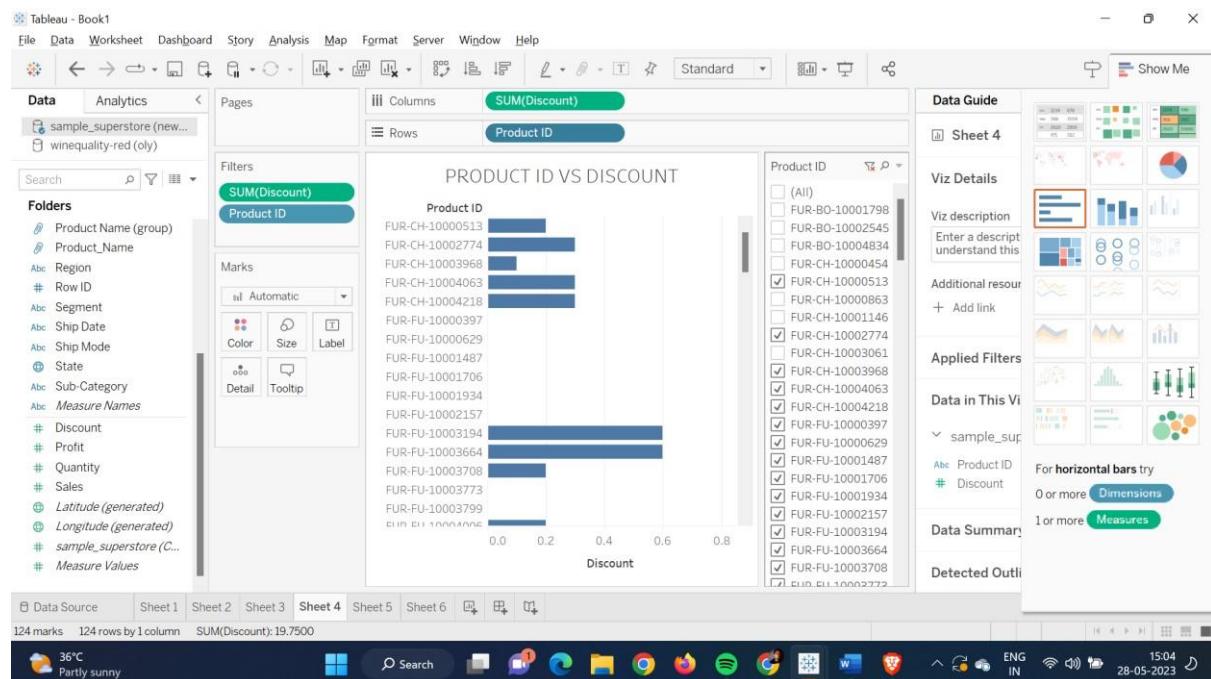
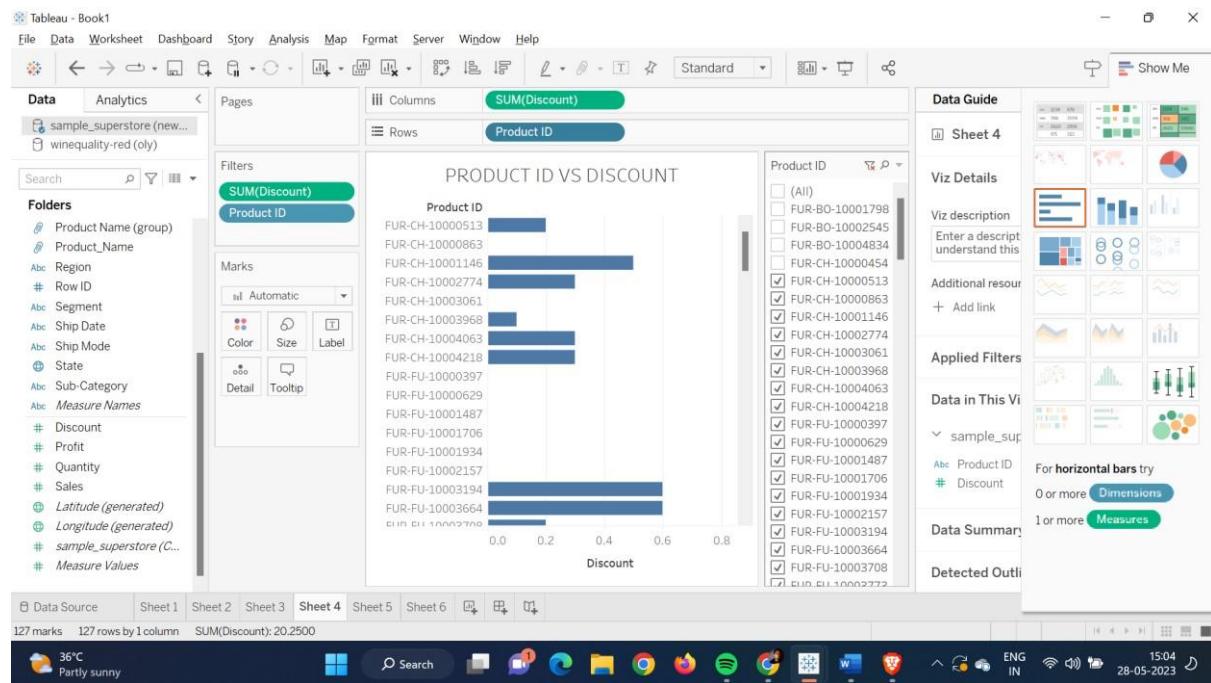
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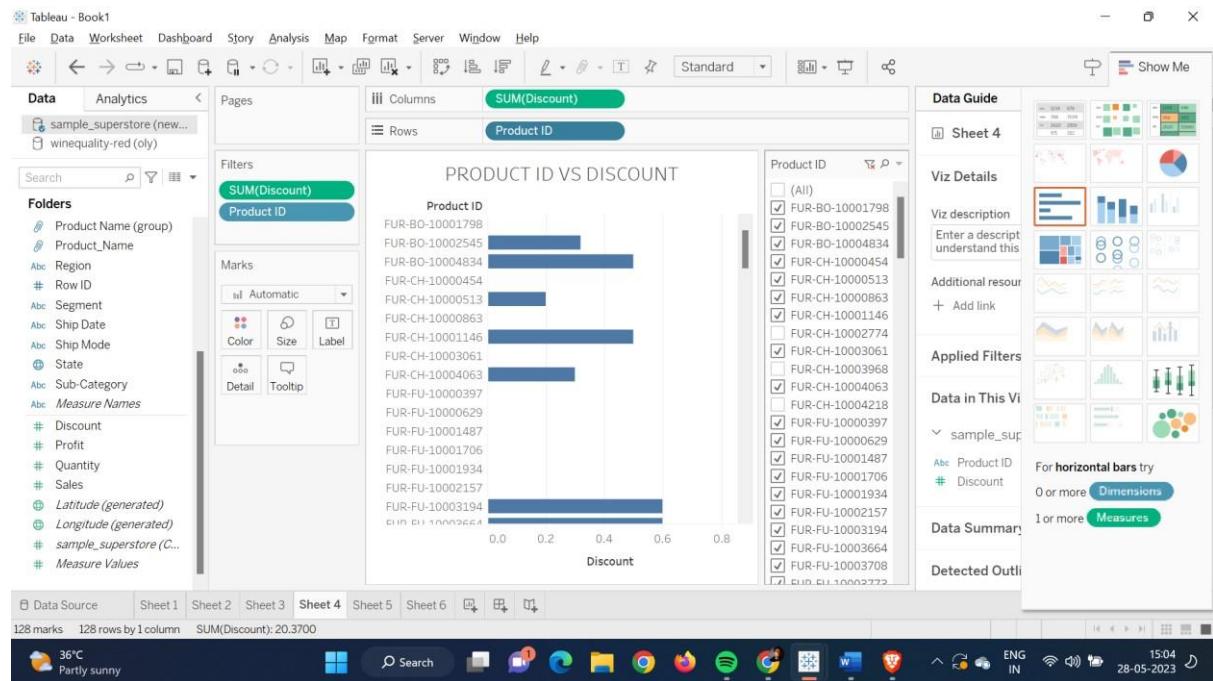
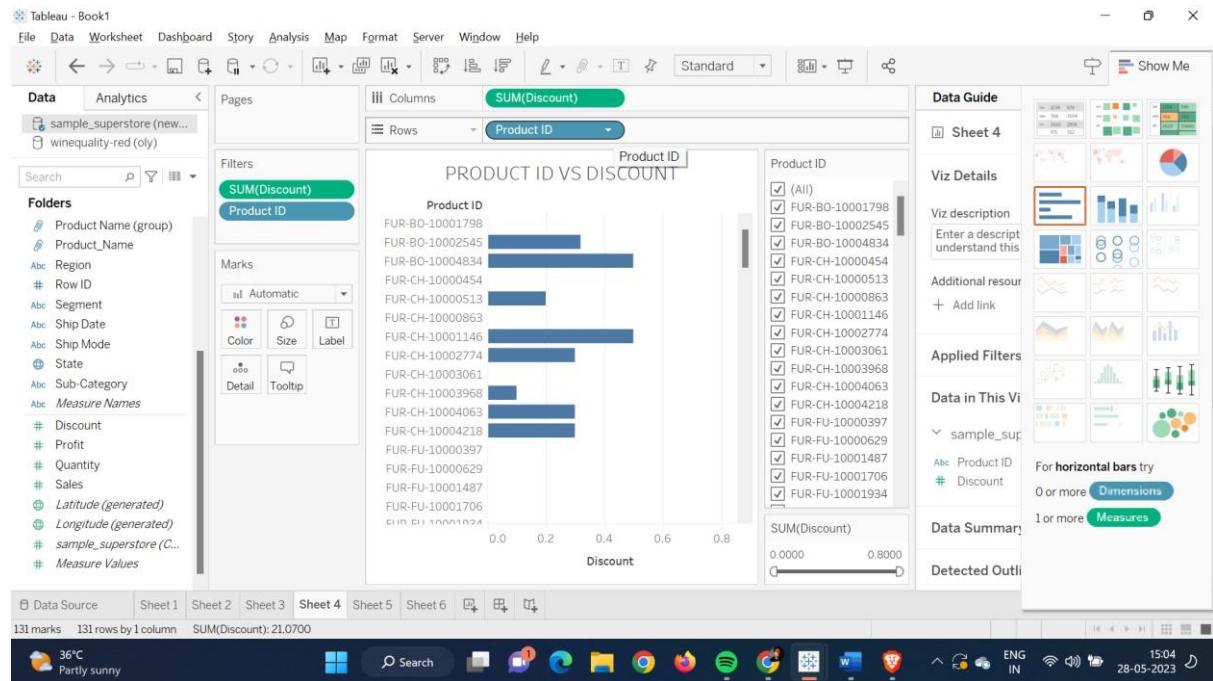
CONTEXT FILTER ON HORIZONTAL BAR GRAPH:



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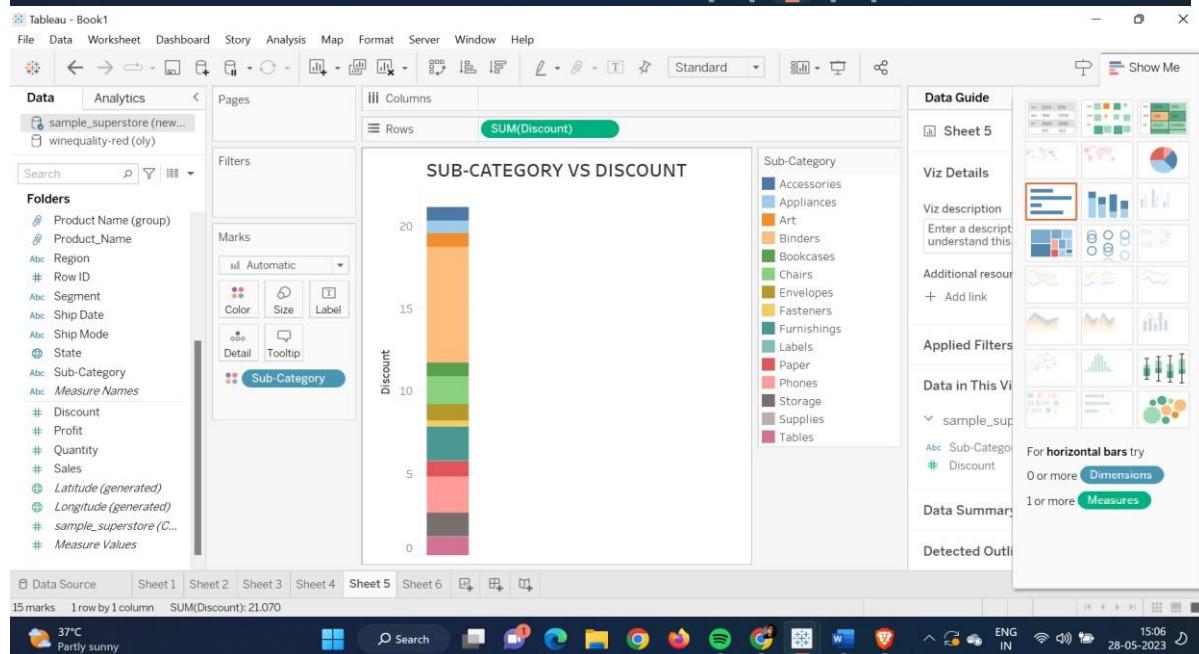
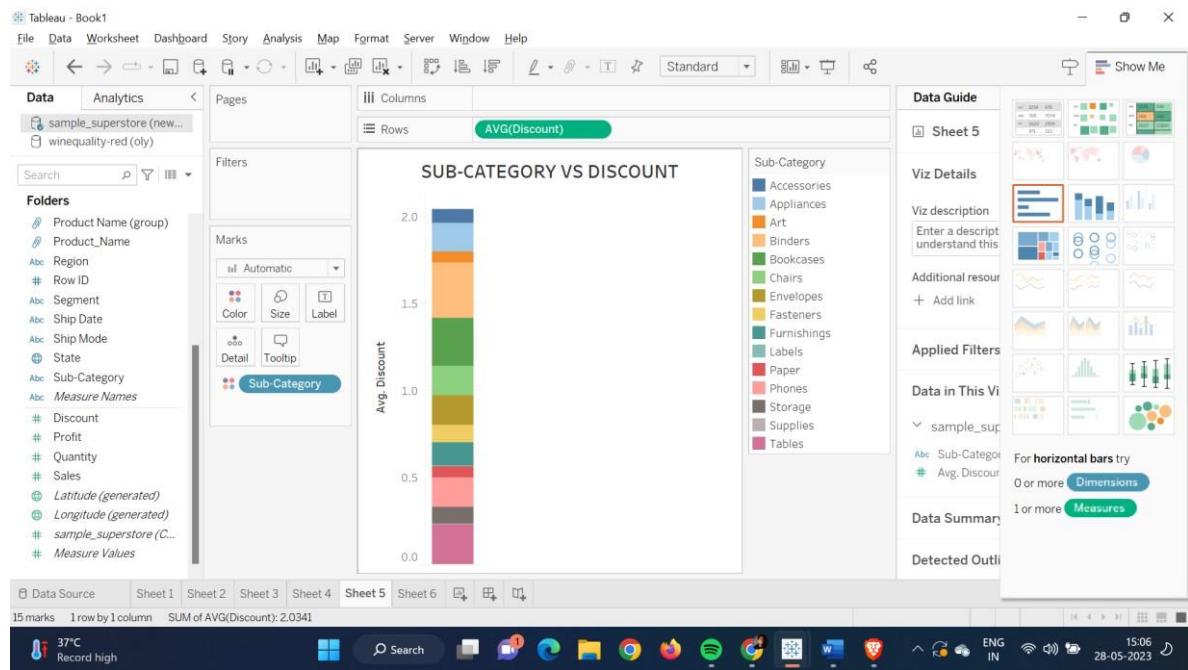


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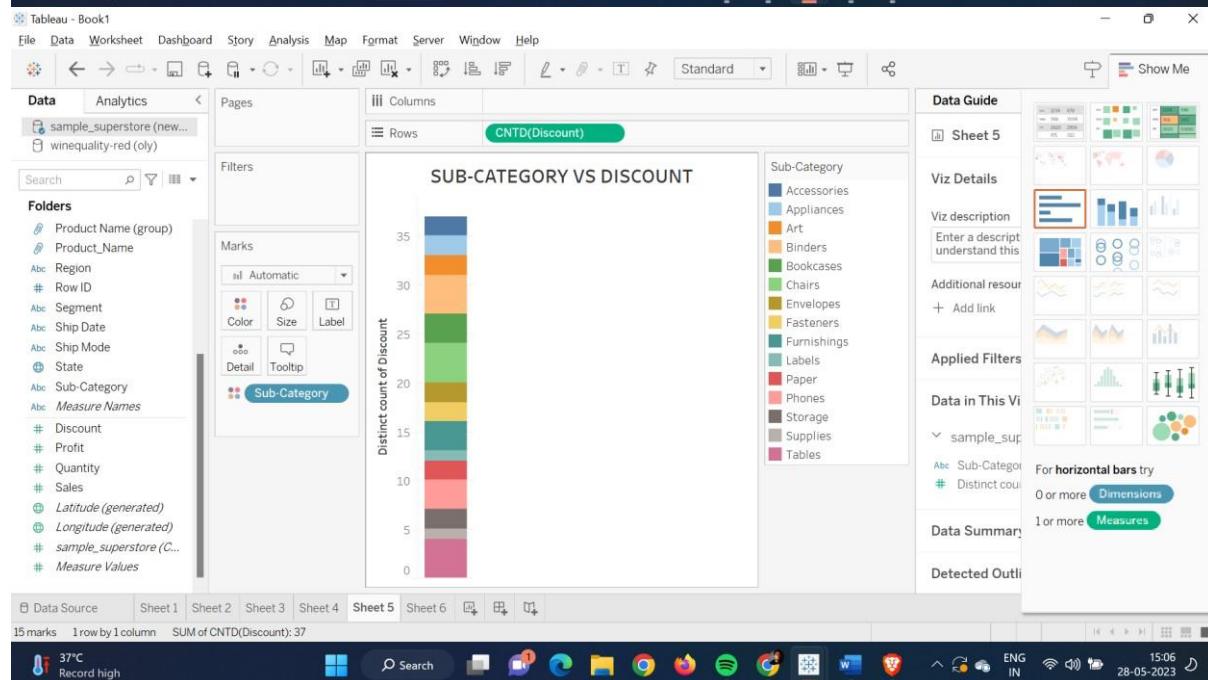
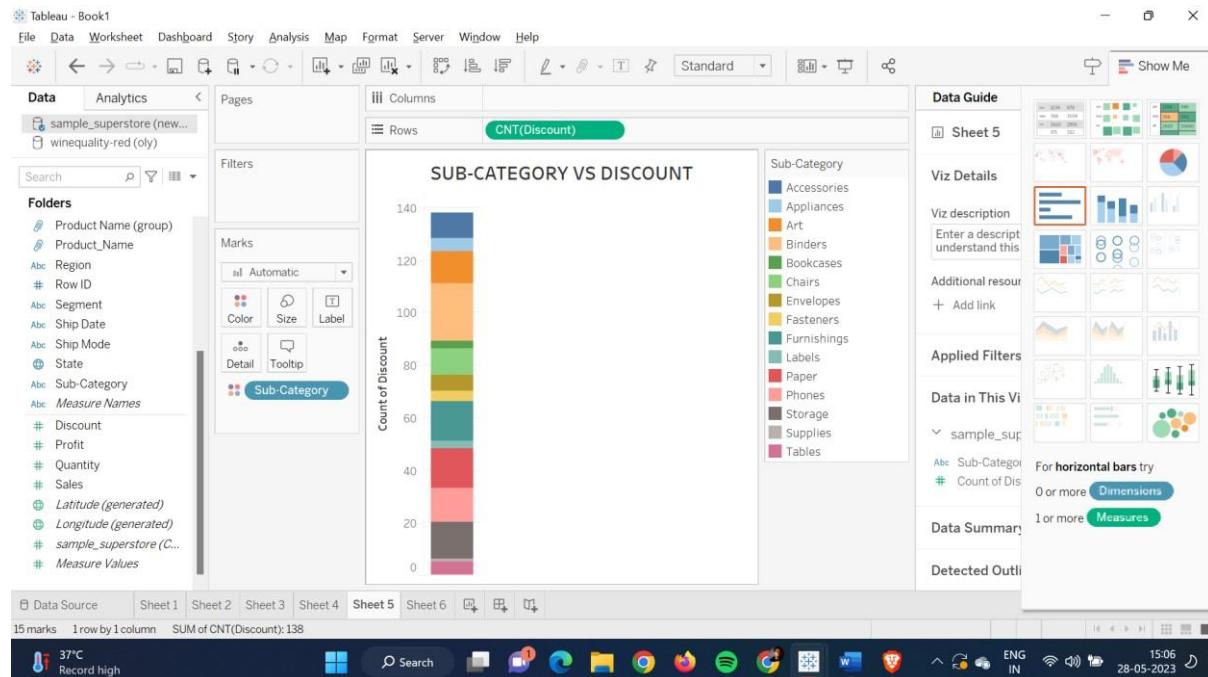


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MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:



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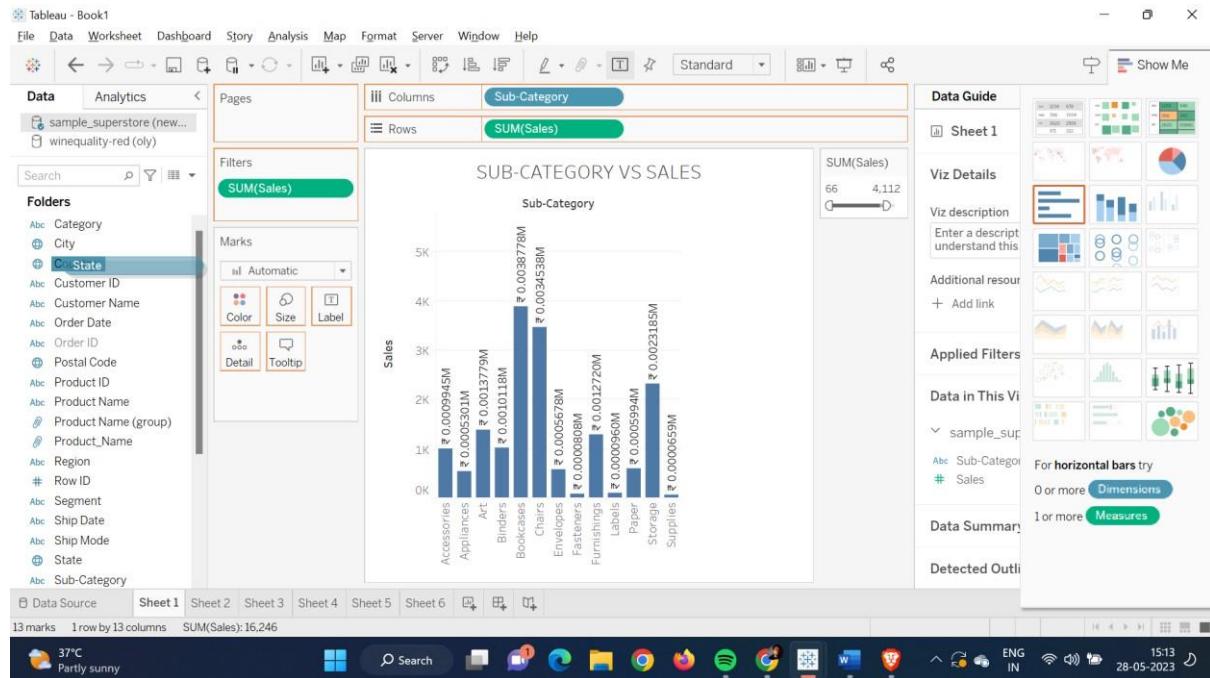


3) Perform the following data manipulations on your dataset

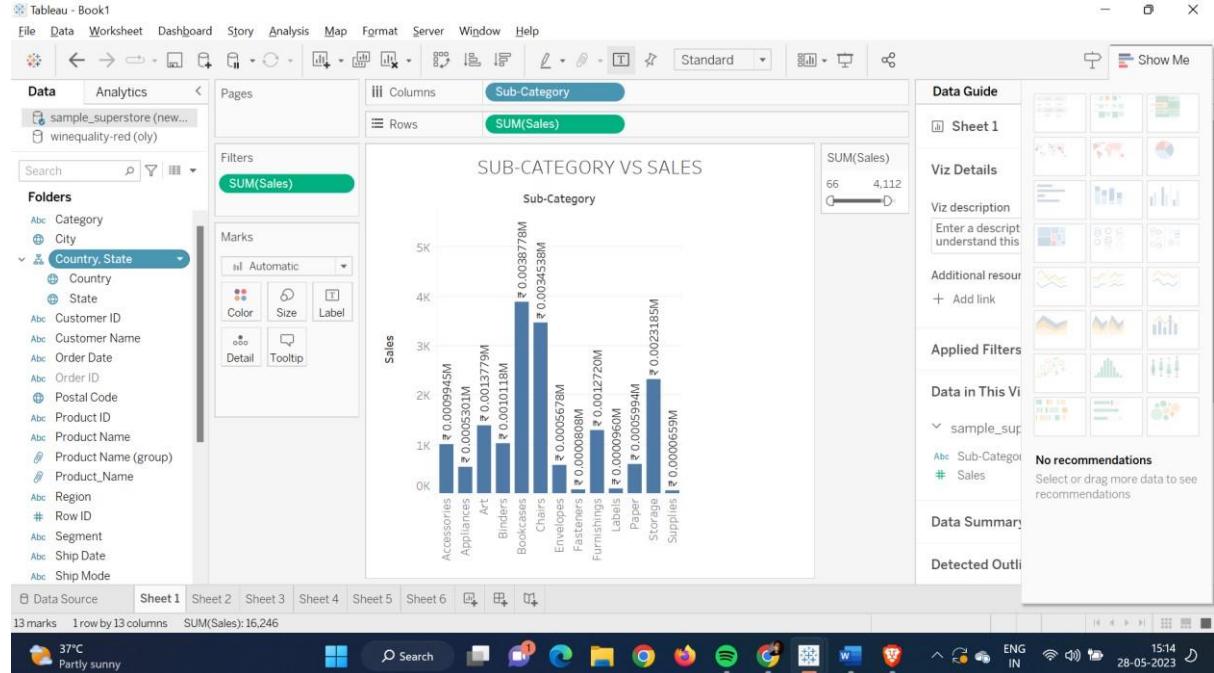
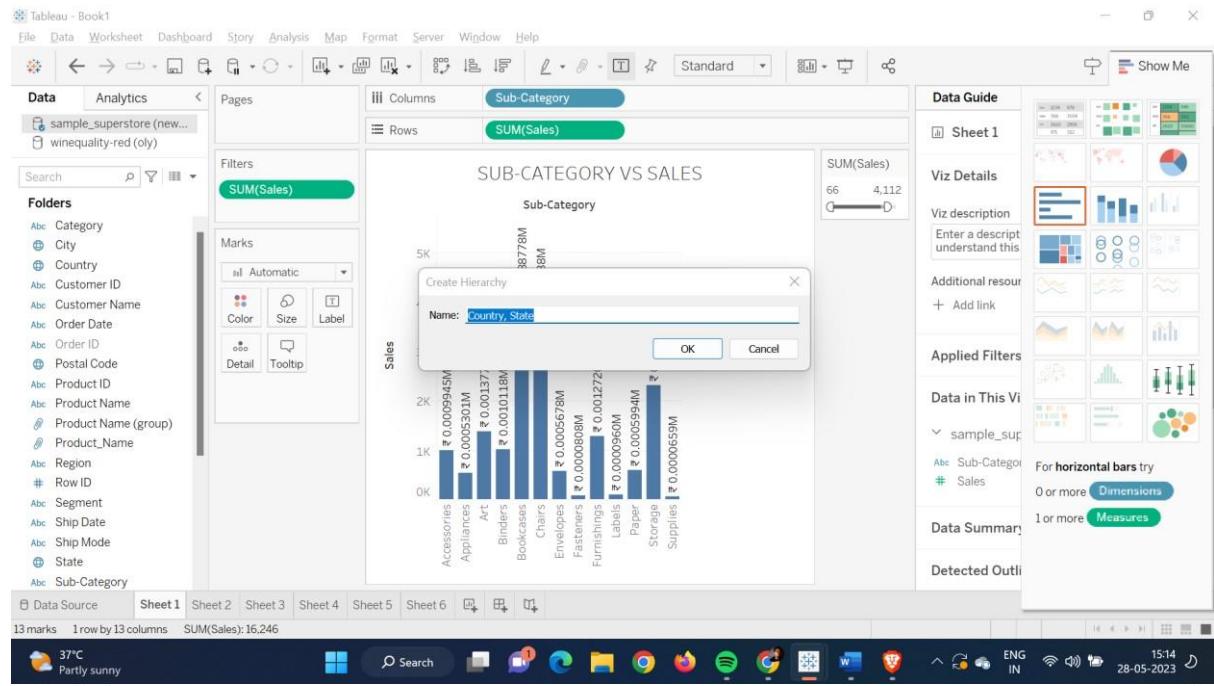
- **create a Hierarchy**
- **create a set ● create a group**

Create hierarchy:

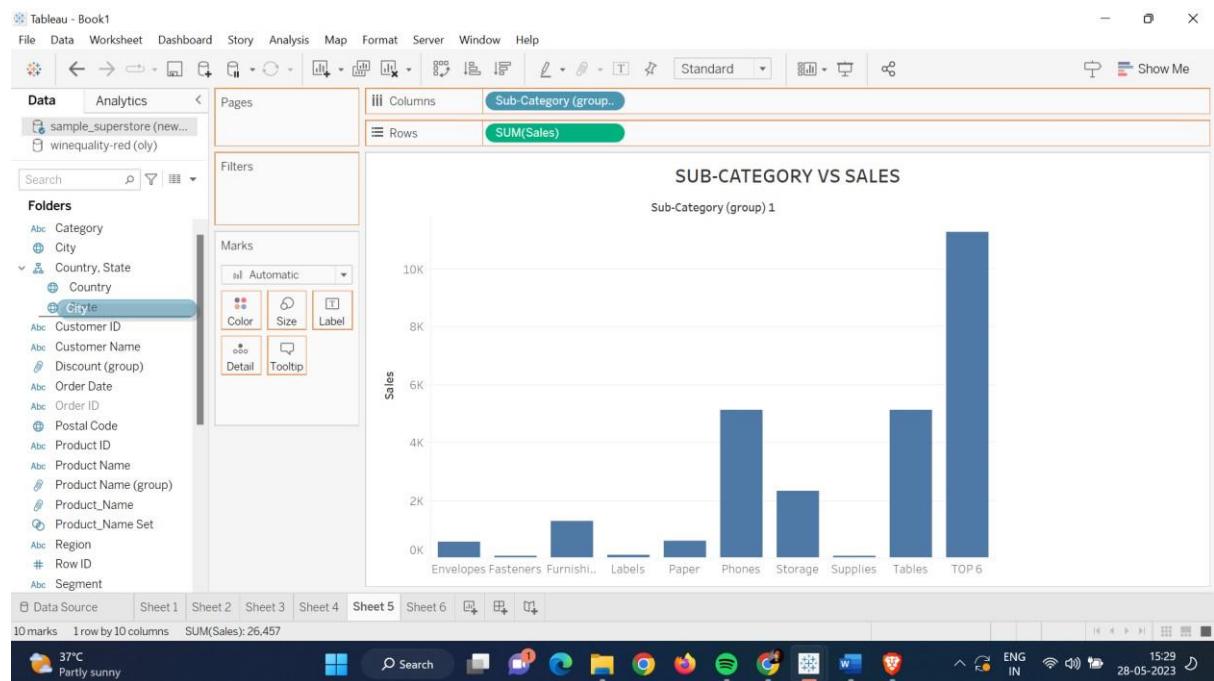
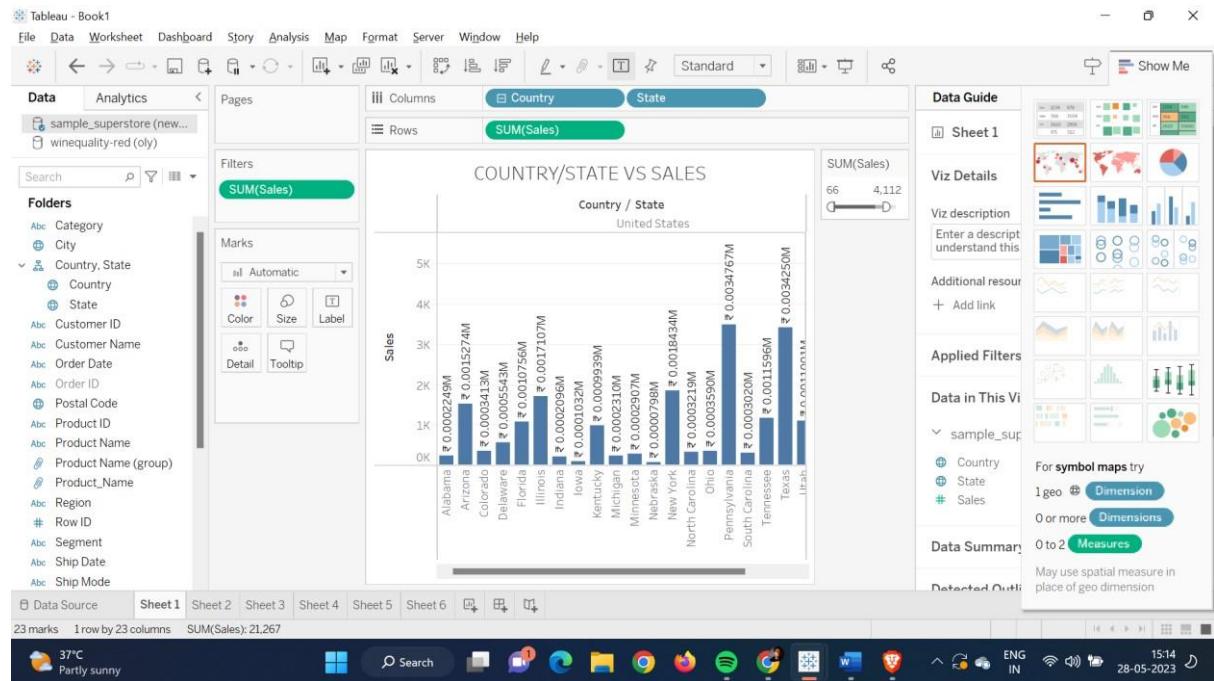
I have created a location hierarchy and it consists of country, state, city and postal code as shown below and displayed the bar graph of quantity based on location hierarchy:



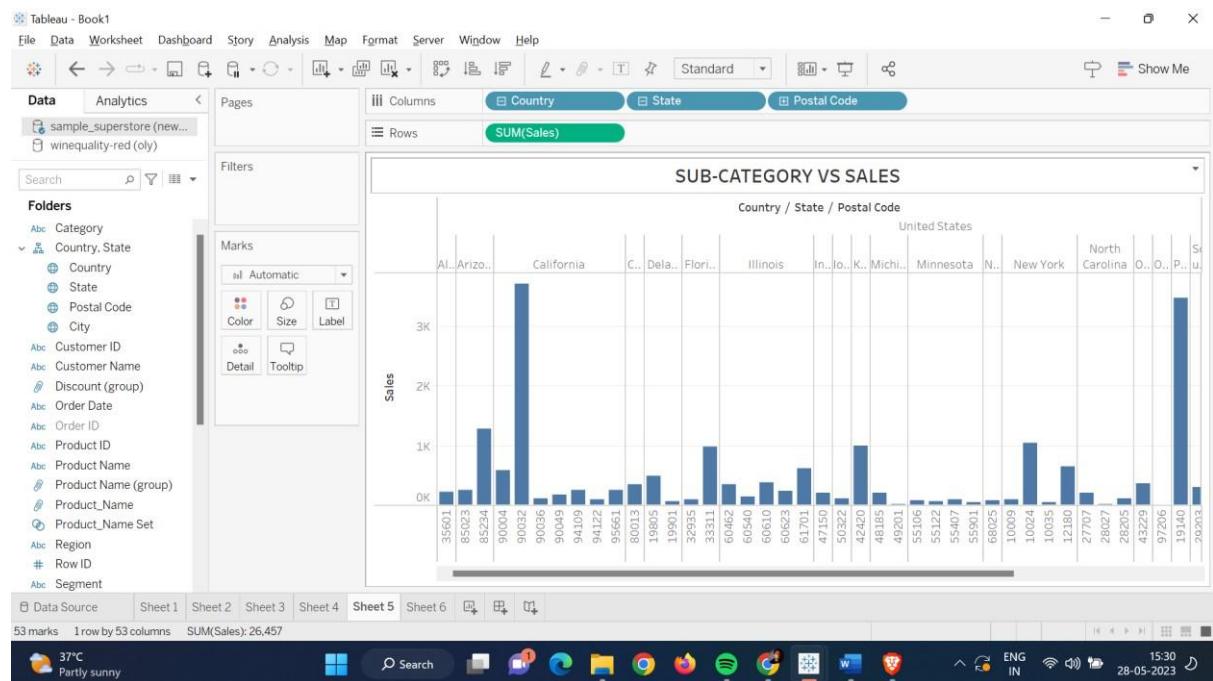
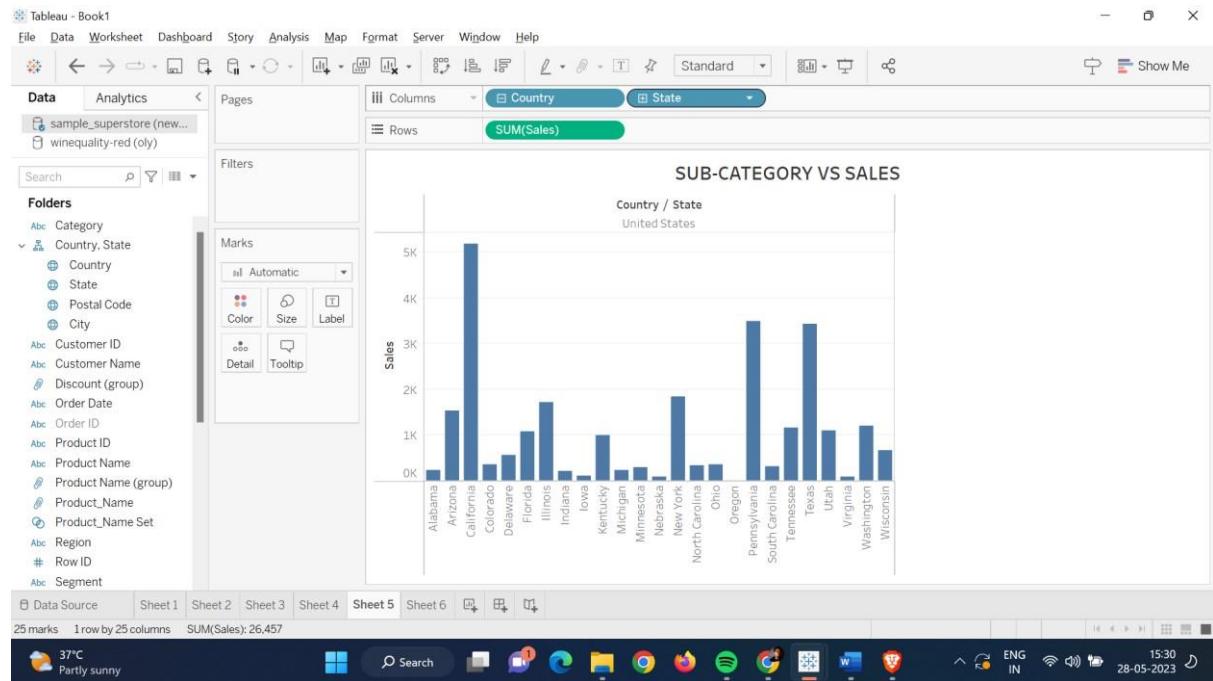
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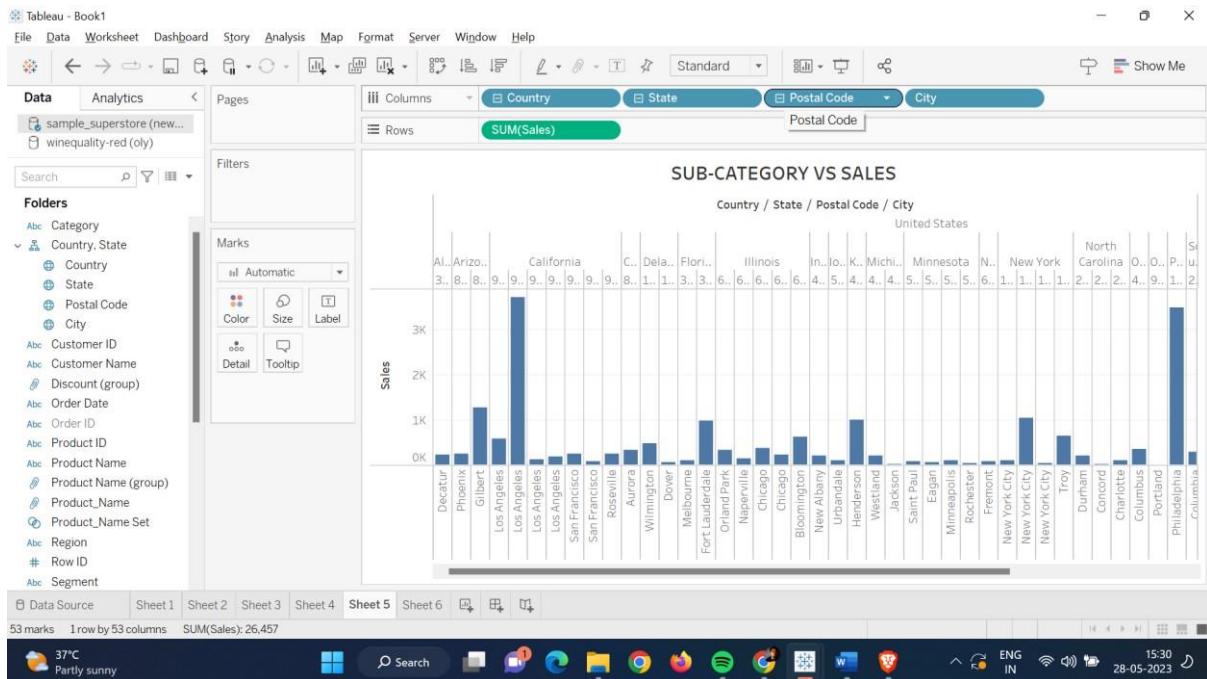
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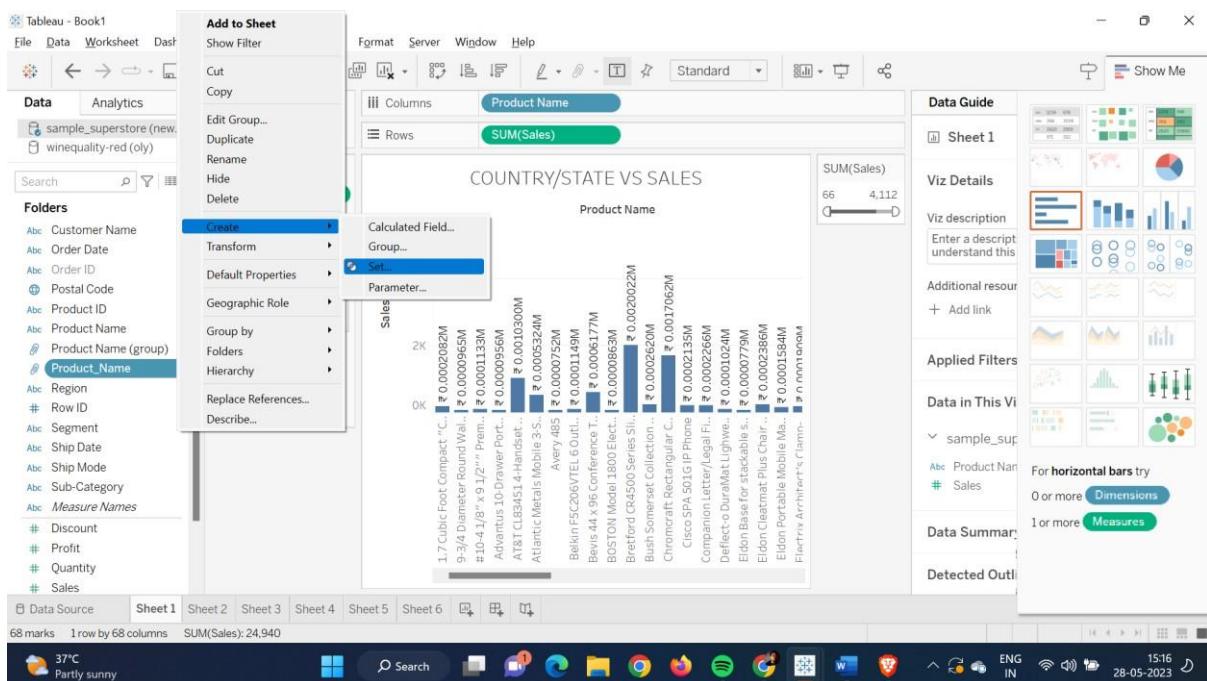


[Type here]



Create a set:

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



[Type here]

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Data Analytics < sample_superstore (new...) winequality-red (oly)

Search Folders

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

Pages

Filters SUM(Sales)

Marks Automatic Color Size Label Detail Tooltip

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 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 Sheet 1

Viz Details

Viz description Enter a descriptive understanding this

Additional resources + Add link

Applied Filters

Data in This View

sample_superstore

For horizontal bars try 0 or more Dimensions

1 or more Measures

Data Summary

Detected Outliers

66 4,112

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 15:16 28-05-2023

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File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Data Analytics < sample_superstore (new...) winequality-red (oly)

Search Folders

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

Pages

Filters SUM(Sales)

Marks Automatic Color Size Label Detail Tooltip

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

Viz Details

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sample_superstore

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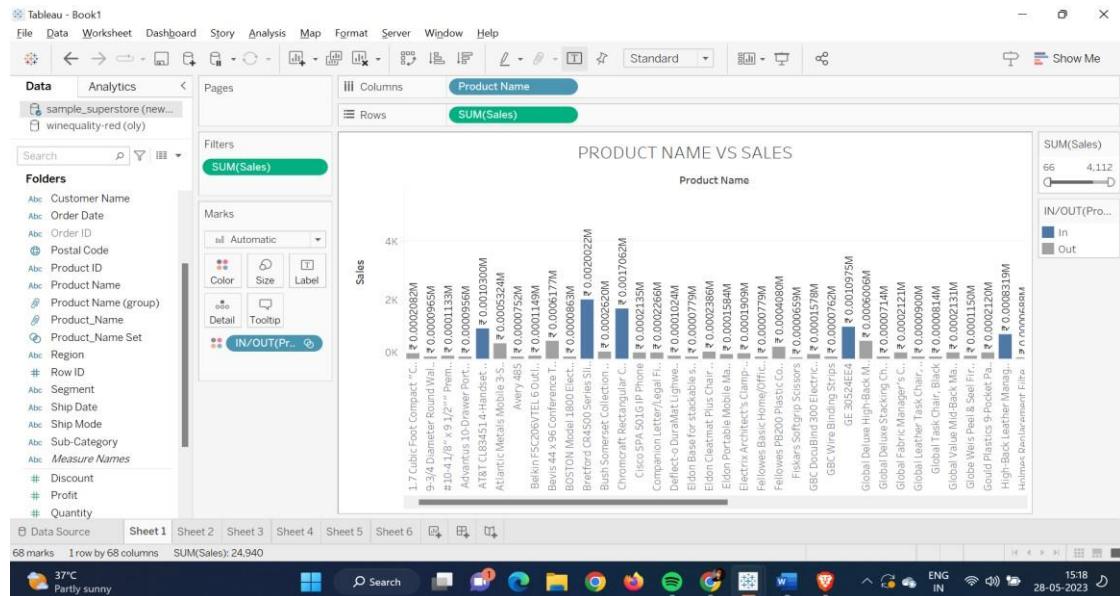
66 4,112

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

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

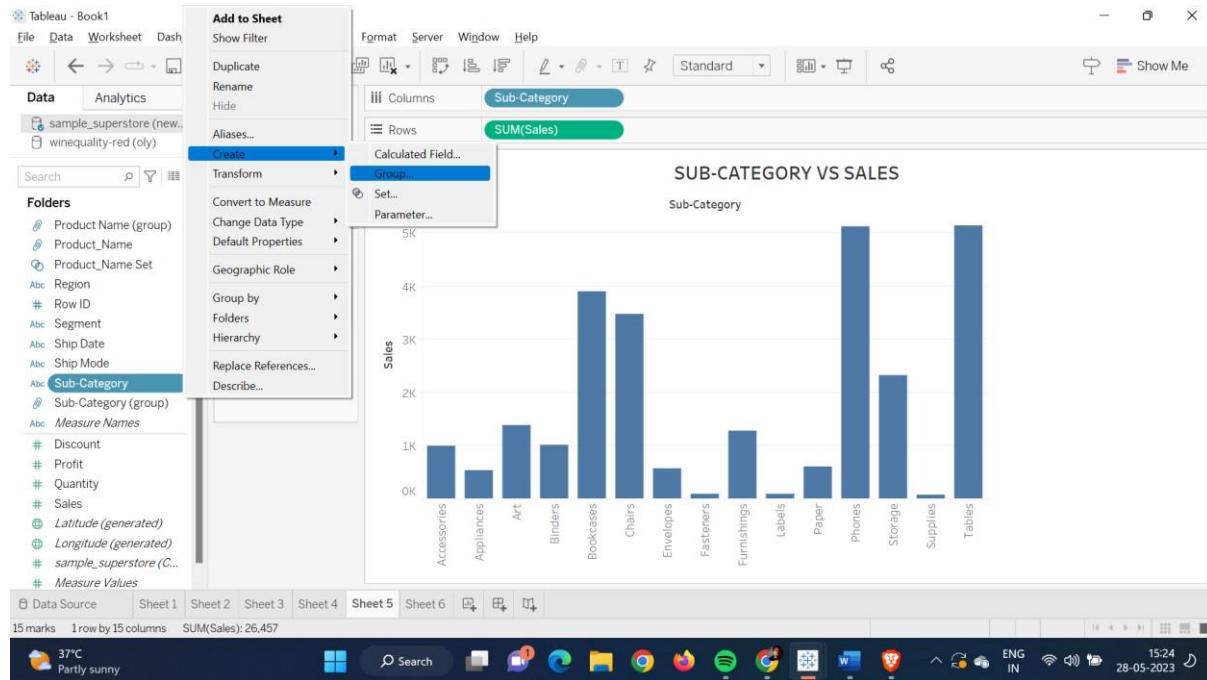
37°C Partly sunny 15:16 28-05-2023

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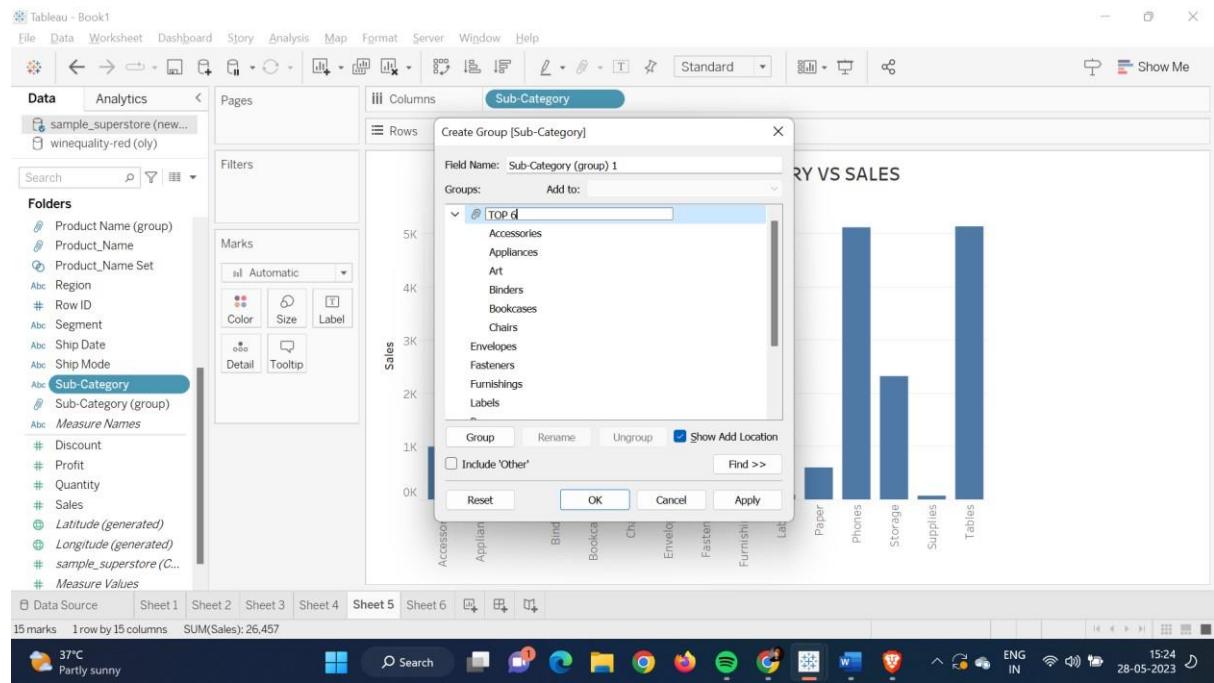
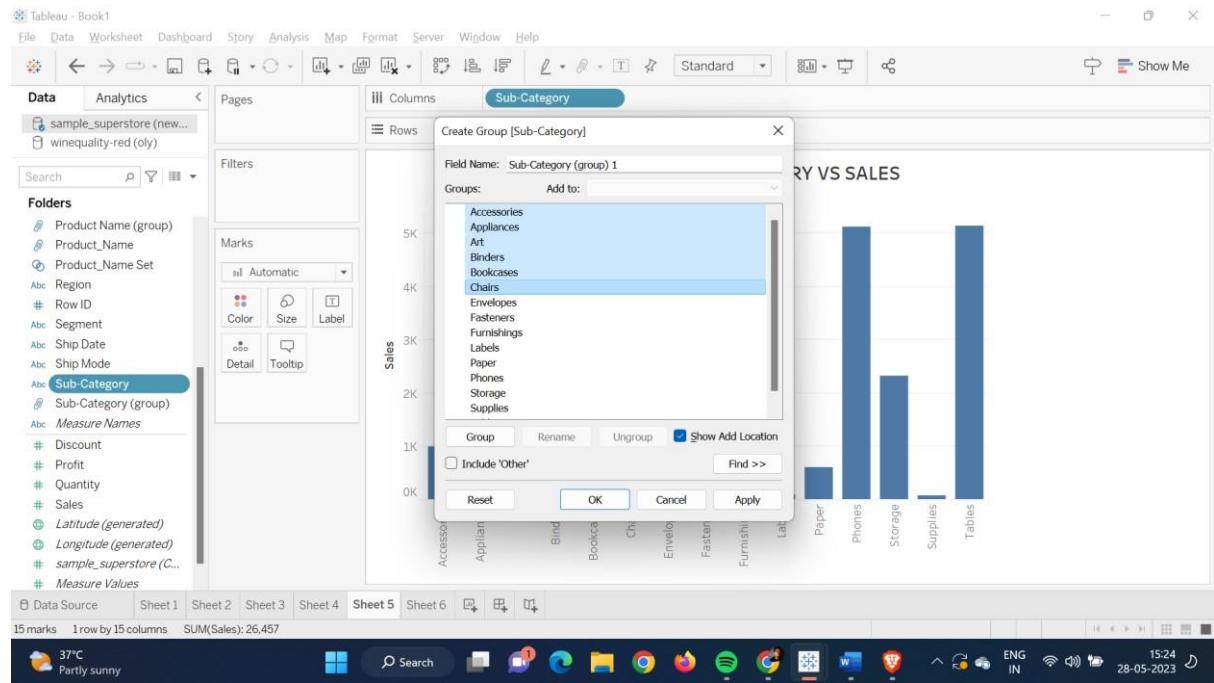


Create a group:

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



[Type here]



[Type here]

