ASSIGNMENT-2

Name: Jayasree G

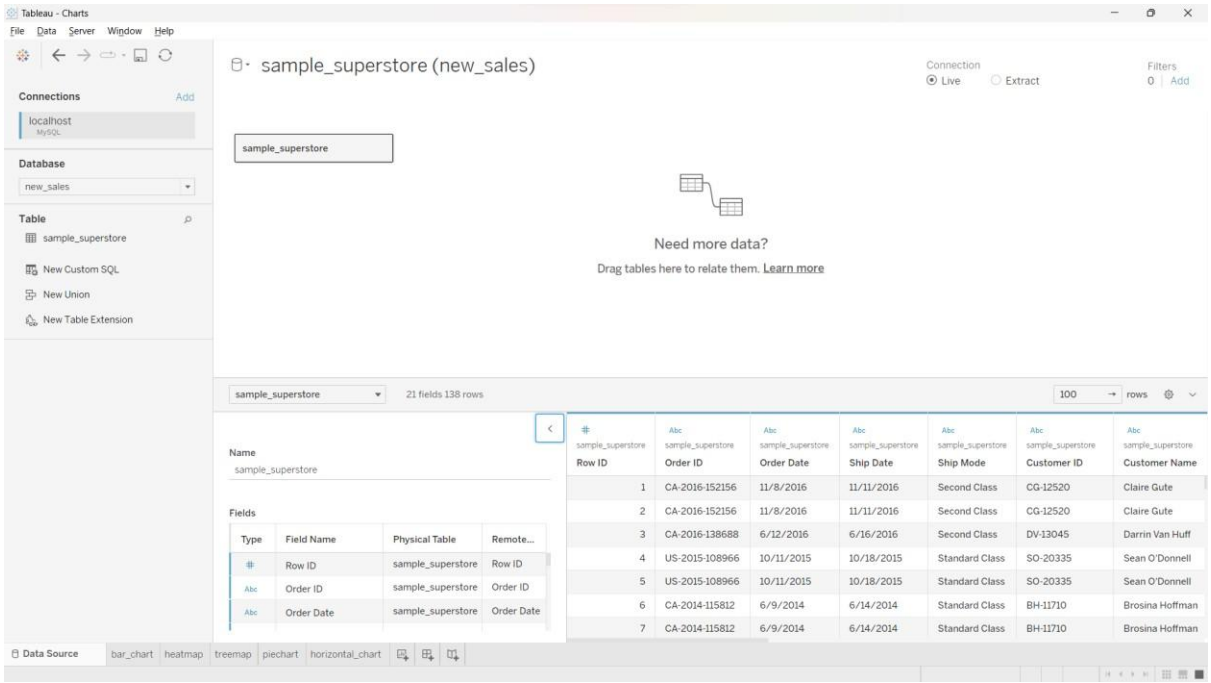
Reg No: 20BCD7078

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

Note : Use 'superstore-sales' dataset

Screenshots:

Tableau:



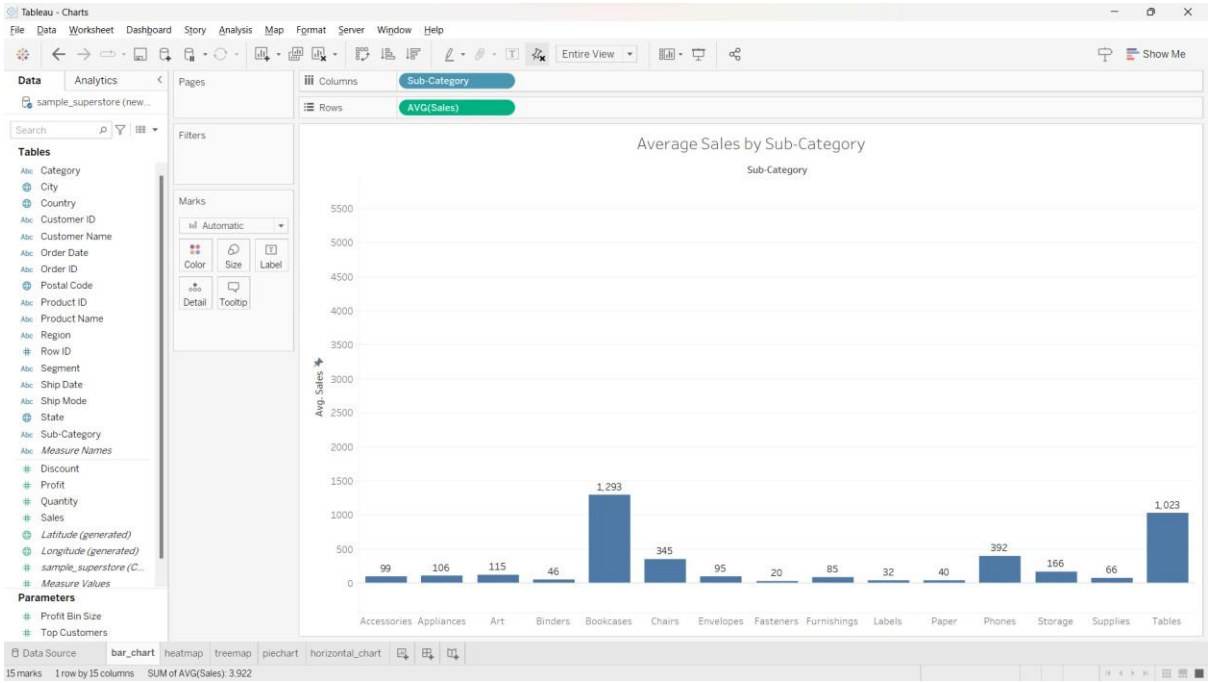


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data Analytics
sample_superstore (new...
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Sub-Category
Rows
AVG(Sales)
Average Sales by Sub-Category
Sub-Category
Avg. Sales
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
99
106
115
46
1,293
345
95
20
85
32
40
392
166
66
1,023
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Tables
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
15 marks
1 row by 15 columns
SUM of AVG(Sales): 3,922

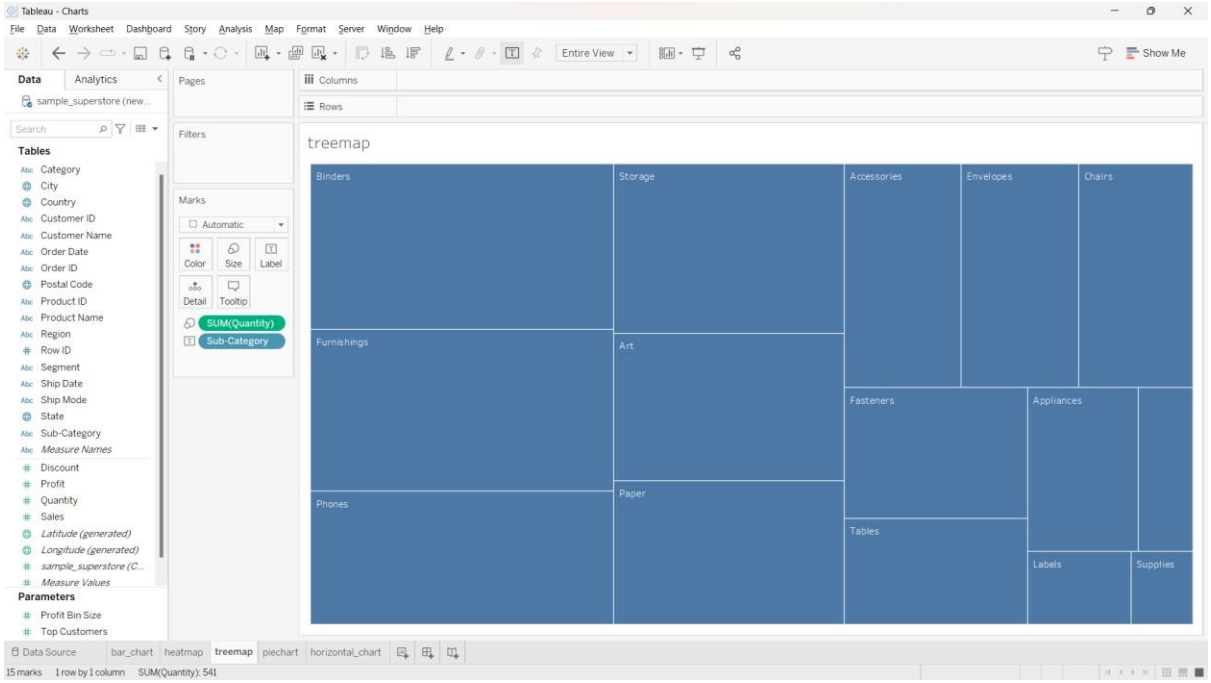


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data Analytics
sample_superstore (new...
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Quantity)
Sub-Category
Columns
Rows
treemap
Binders
Storage
Accessories
Envelopes
Chairs
Furnishings
Art
Fasteners
Appliances
Phones
Paper
Tables
Labels
Supplies
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
15 marks
1 row by 1 column
SUM(Quantity): 541

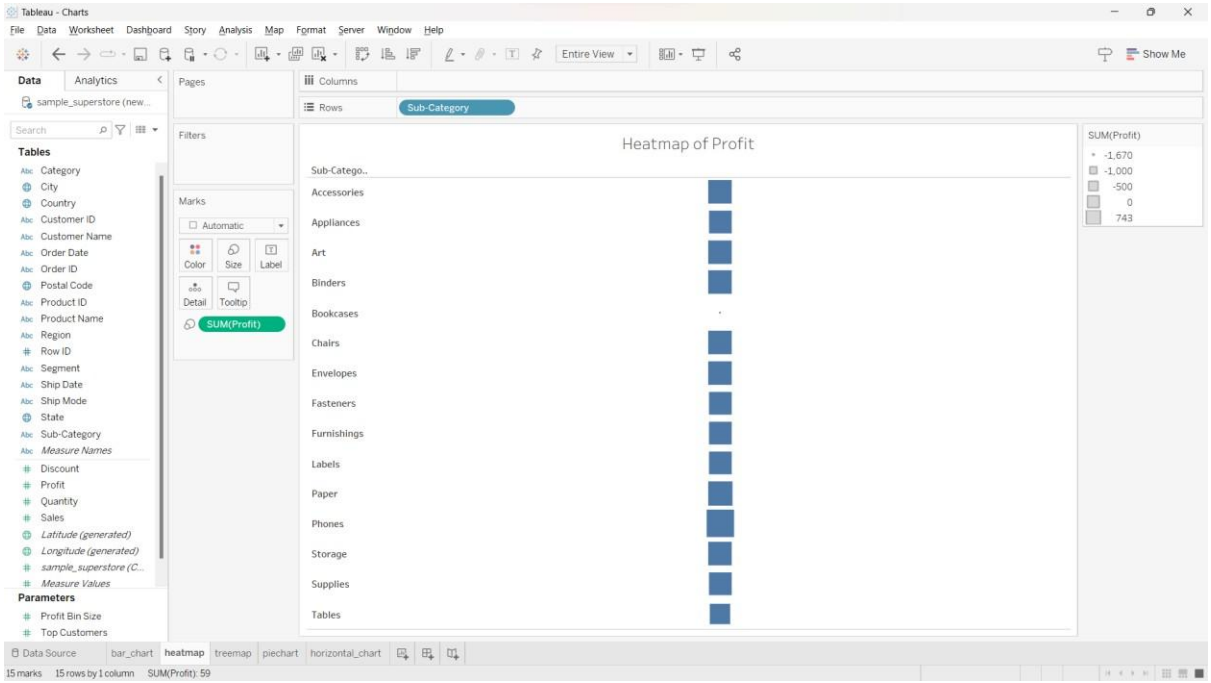


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data Analytics
sample_superstore (new...
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
Columns
Rows
Sub-Category
Heatmap of Profit
Sub-Catego..
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Tables
SUM(Profit)
-1,670
-1,000
-500
0
743
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
15 marks
15 rows by 1 column
SUM(Profit): 59

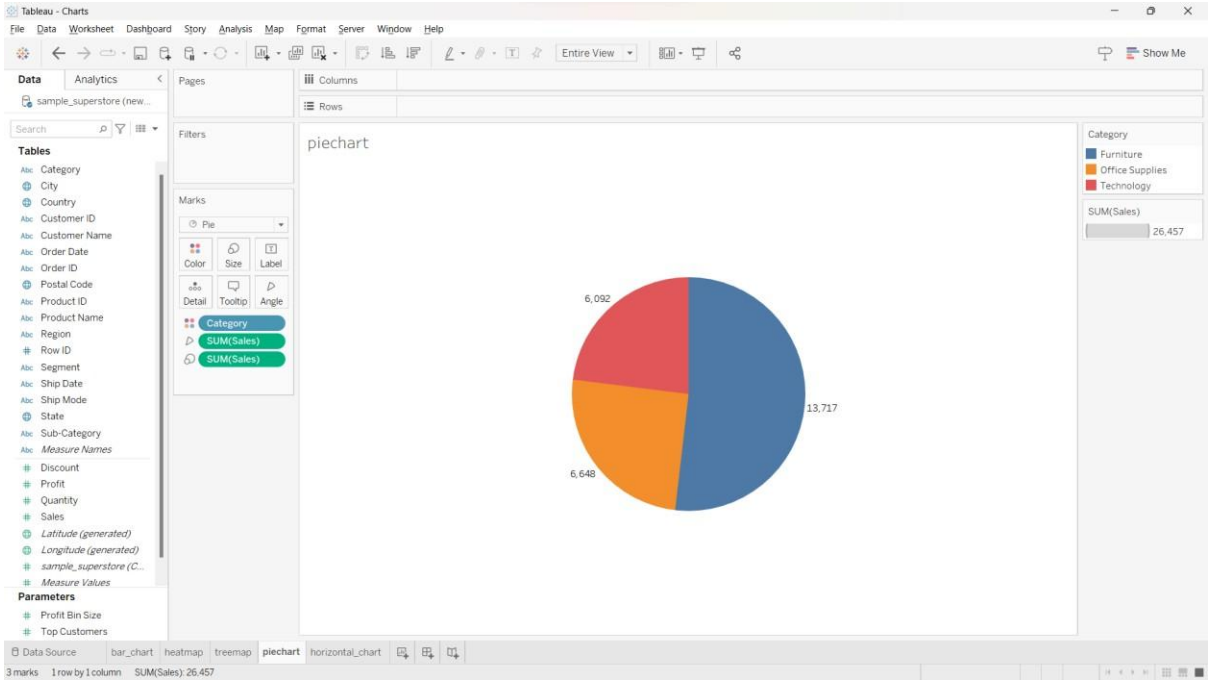


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data Analytics
sample_superstore (new...
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
Category
SUM(Sales)
SUM(Sales)
Columns
Rows
piechart
6,092
13,717
6,648
Category
Furniture
Office Supplies
Technology
SUM(Sales)
26,457
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
3 marks
1 row by 1 column
SUM(Sales): 26,457

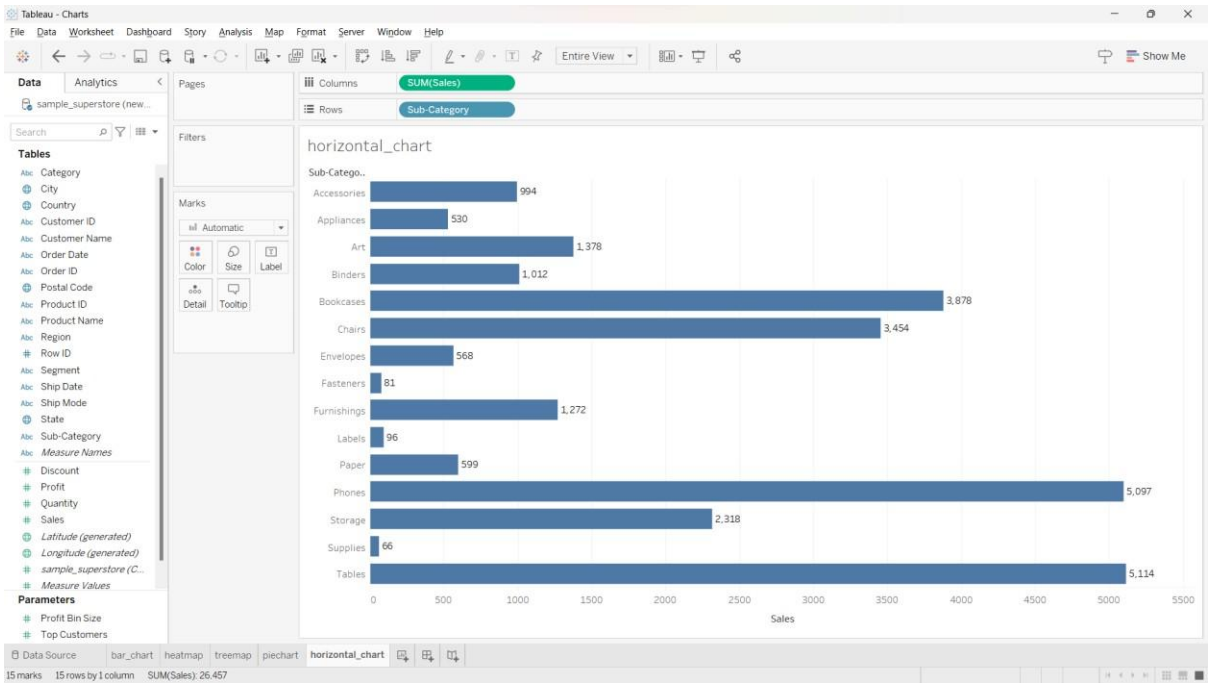


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (new...
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
SUM(Sales)
Rows
Sub-Category
horizontal_chart
Sub-Catego..
Accessories 994
Appliances 530
Art 1,378
Binders 1,012
Bookcases 3,878
Chairs 3,454
Envelopes 568
Fasteners 81
Furnishings 1,272
Labels 96
Paper 599
Phones 5,097
Storage 2,318
Supplies 66
Tables 5,114
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500
Sales
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
15 marks
15 rows by 1 column
SUM(Sales): 26,457

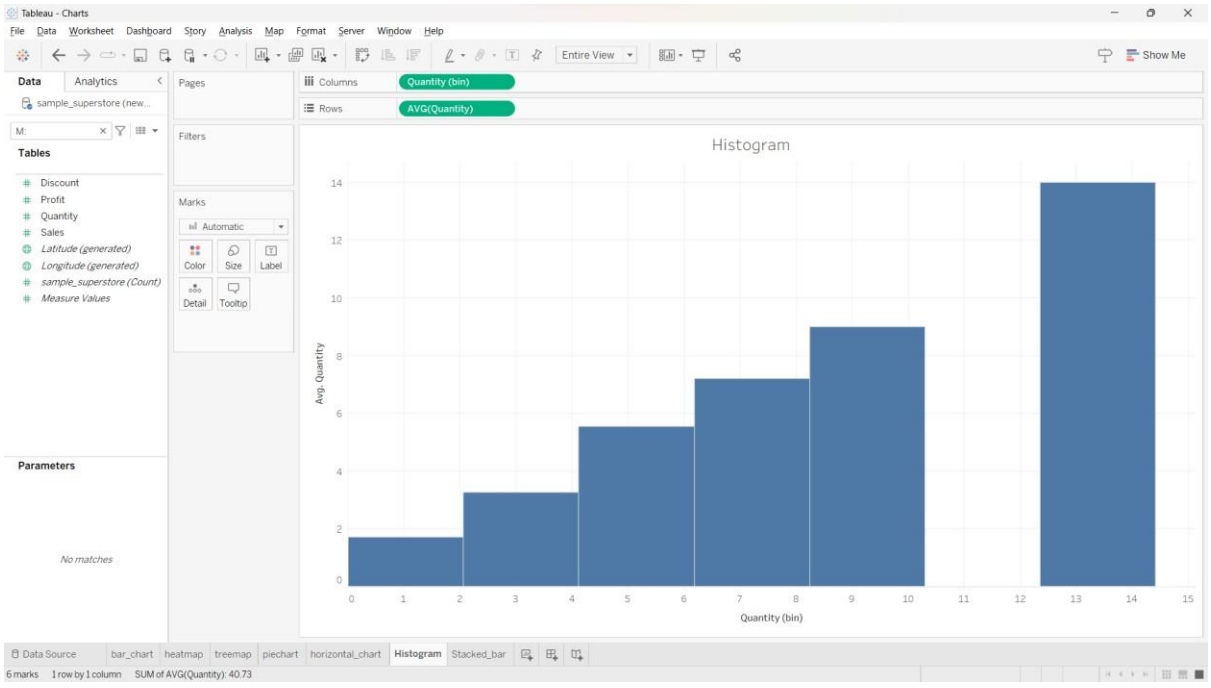
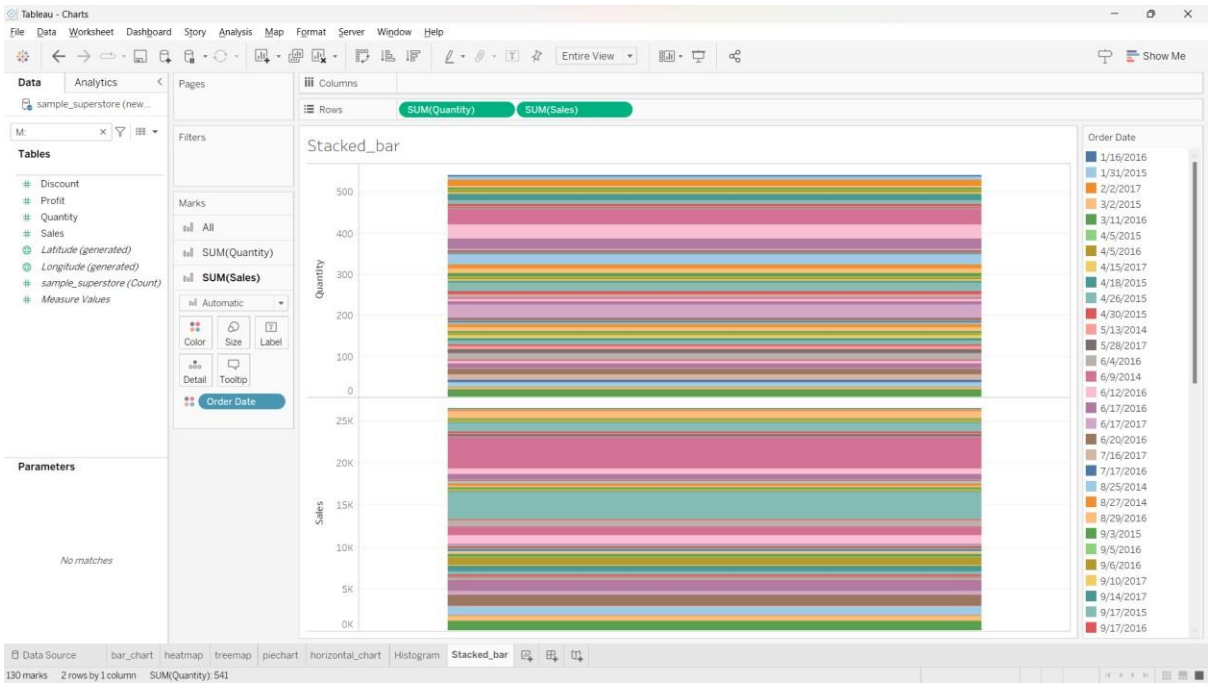
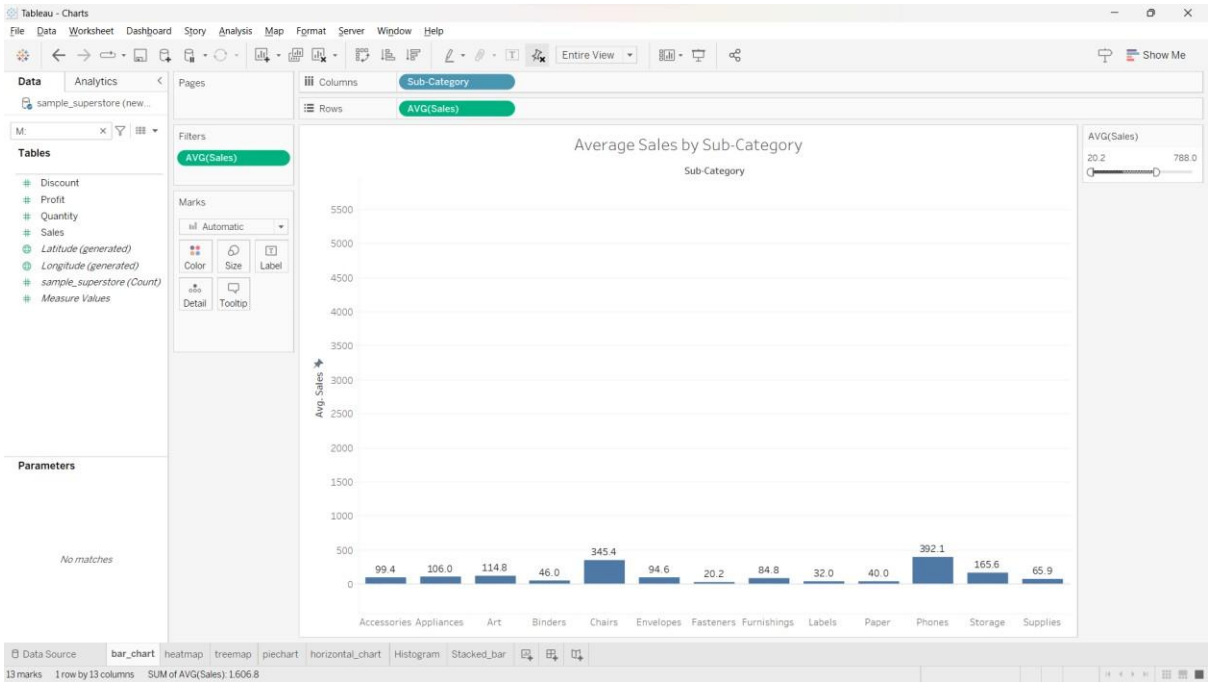


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (new...
M:
Tables
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (Count)
Measure Values
Parameters
No matches
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Quantity (bin)
Rows
AVG(Quantity)
Histogram
Avg. Quantity
0 2 4 6 8 10 12 14
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Quantity (bin)
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
Histogram
Stacked_bar
6 marks
1 row by 1 column
SUM of AVG(Quantity): 40.73

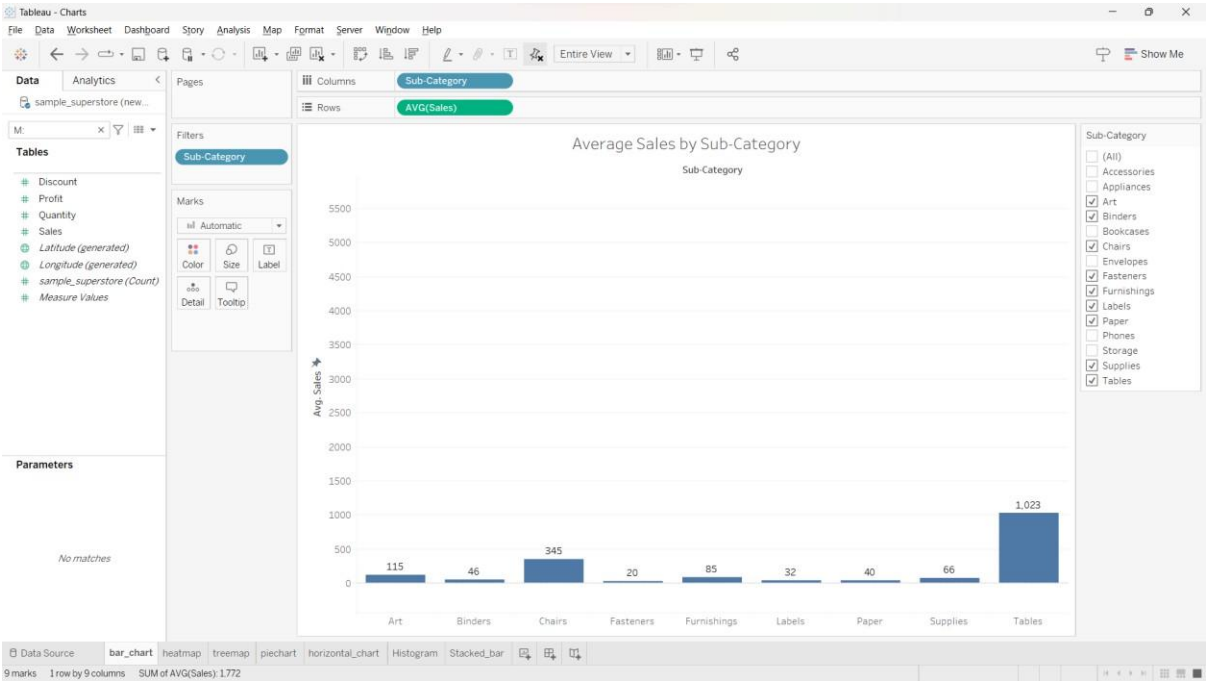


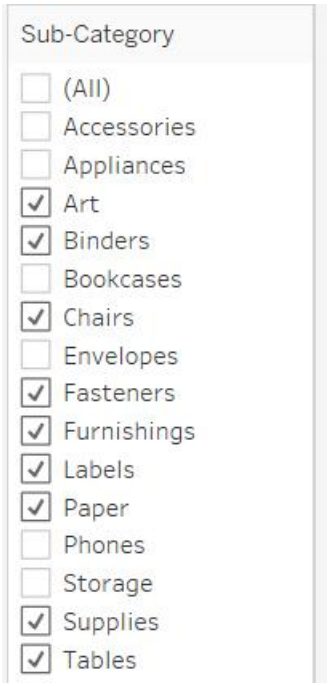
Filters:

By measure

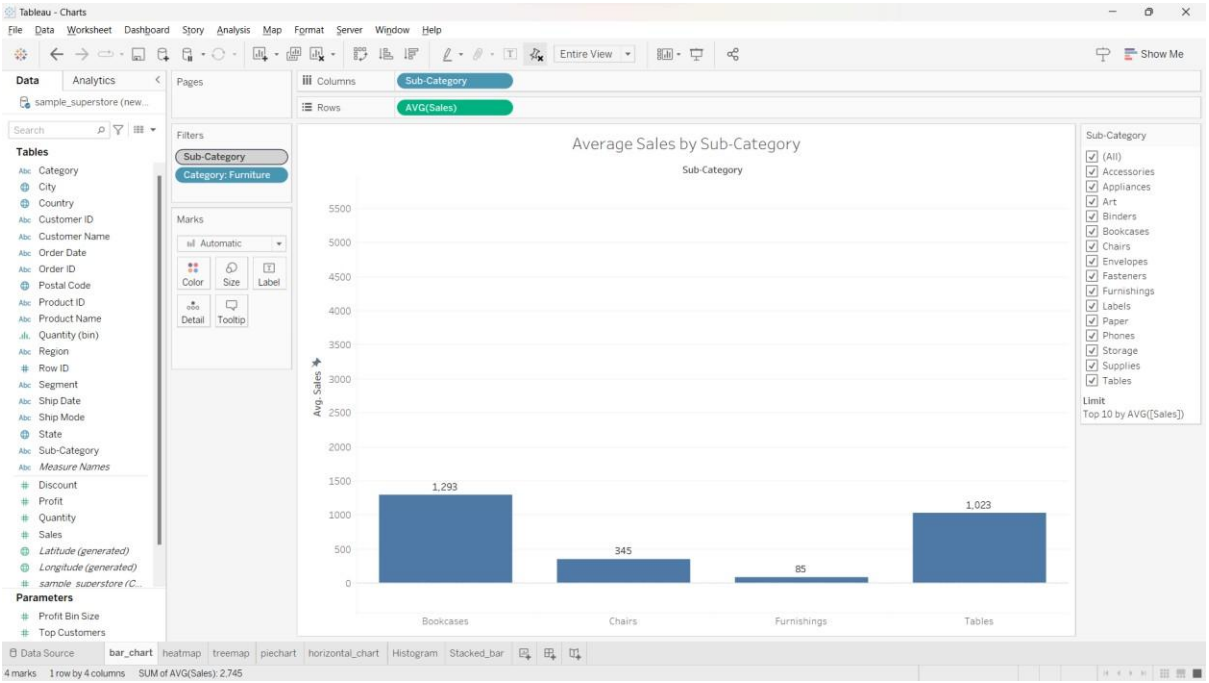


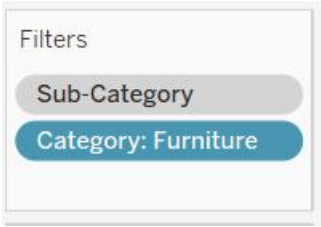
by dimension



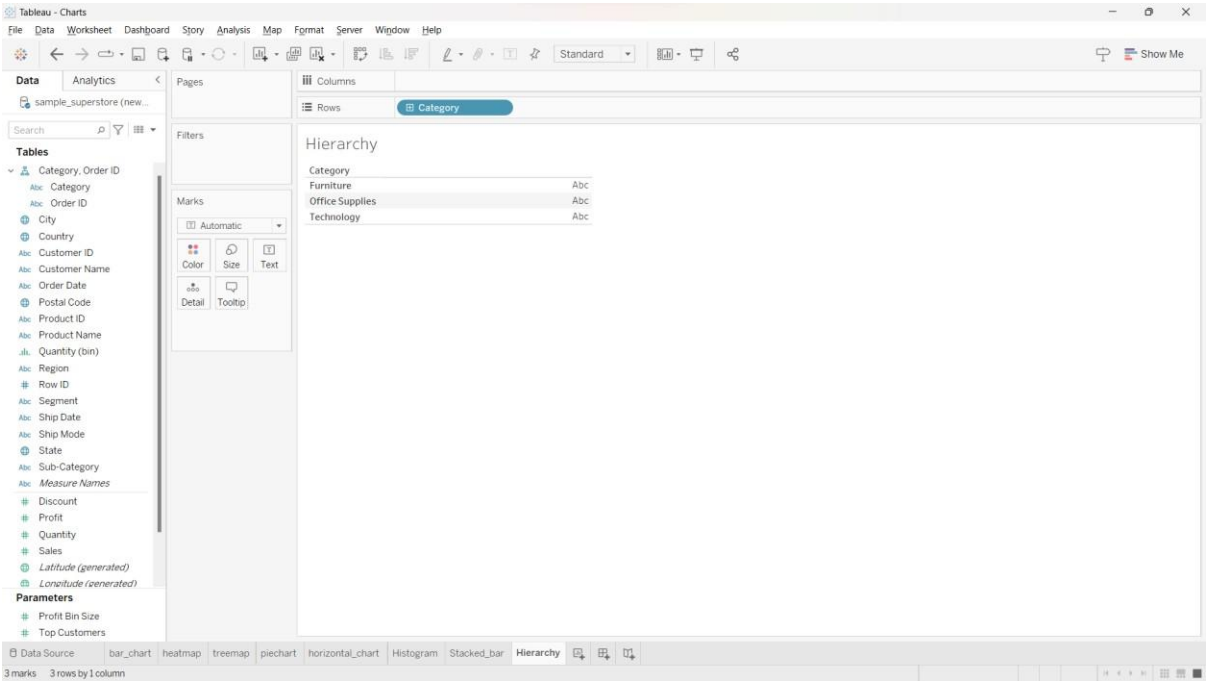


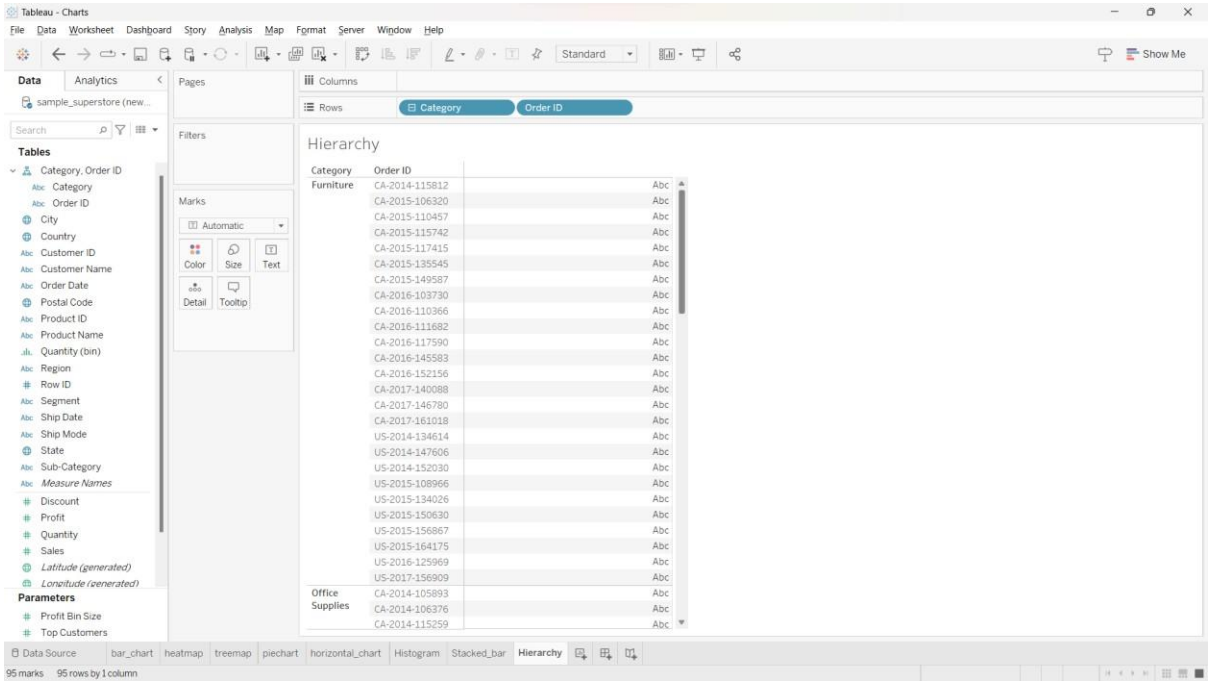
By context



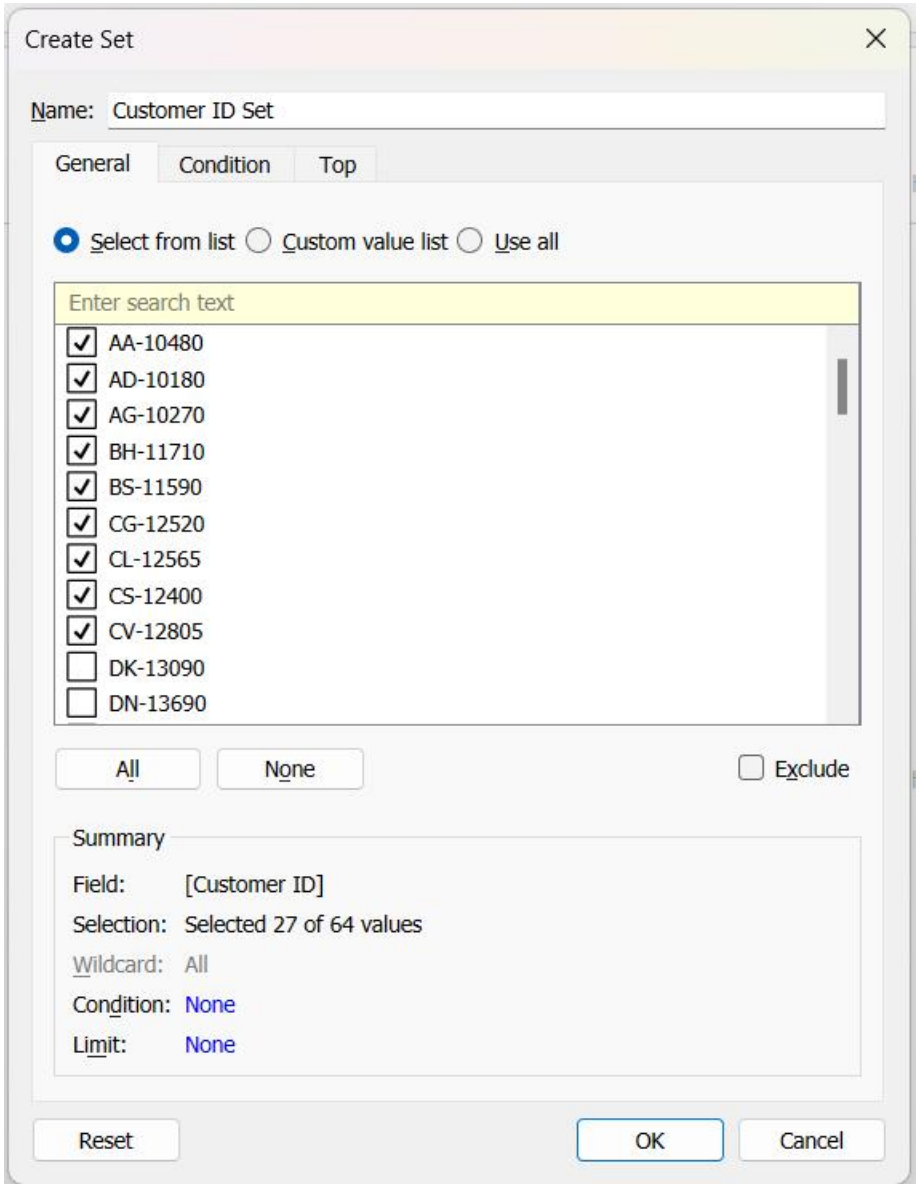


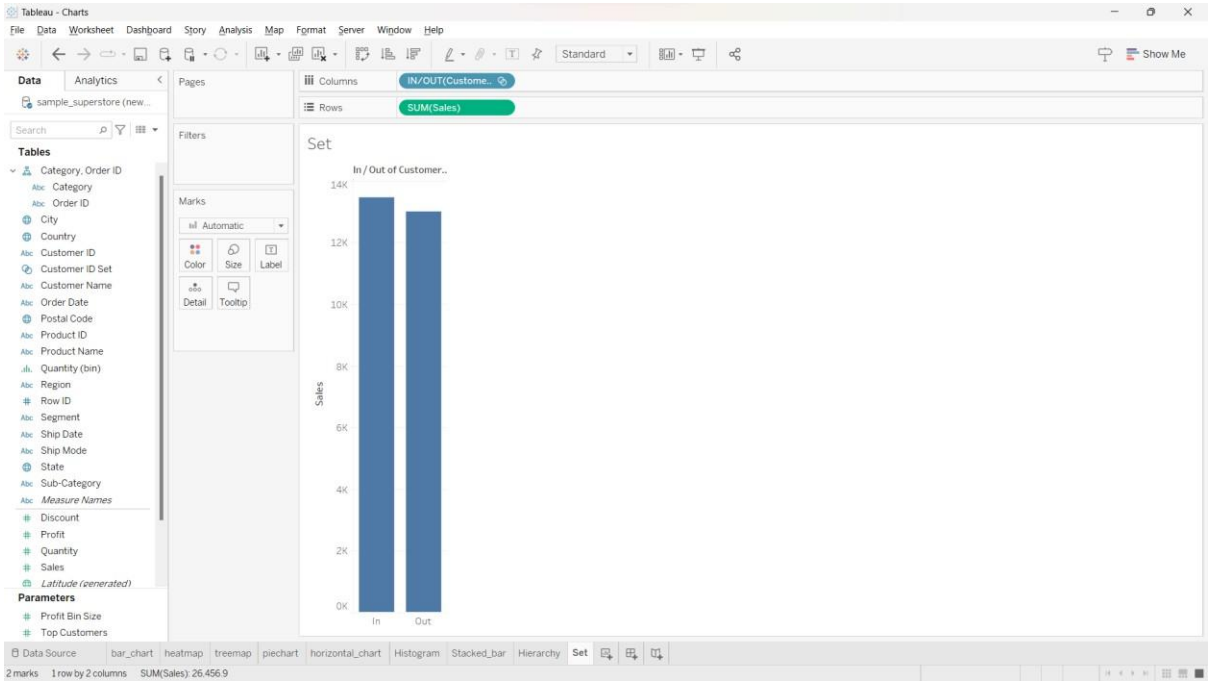
Creating a Hierarchy



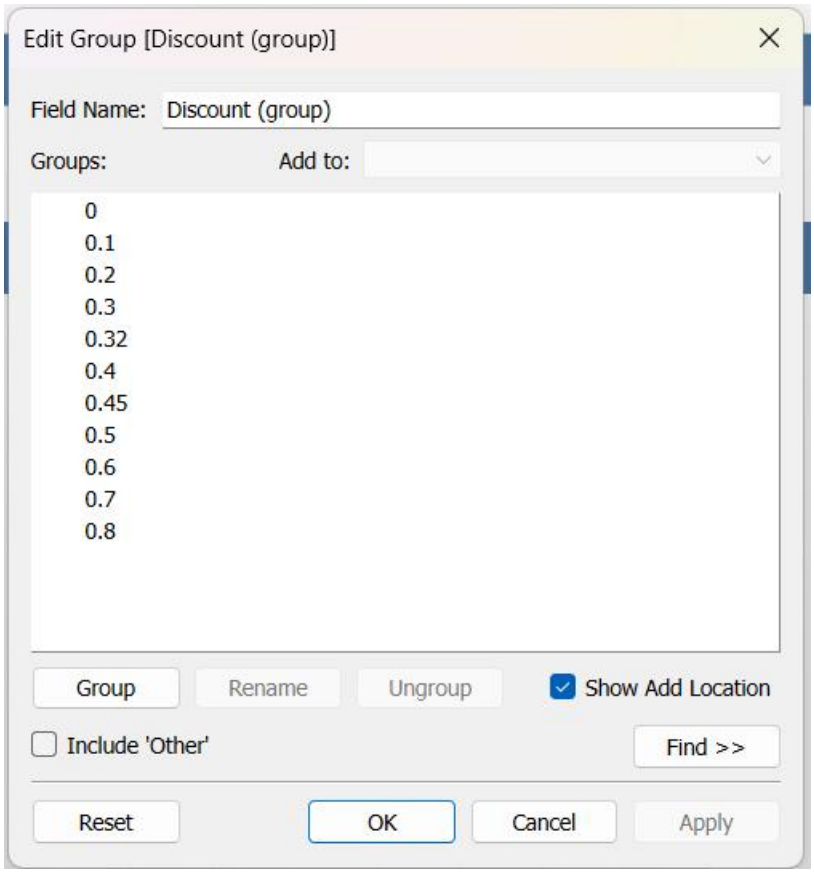


Creating a Set


Create Set
Name: Customer ID Set
General
Condition
Top
Select from list
Custom value list
Use all
Enter search text
AA-10480
AD-10180
AG-10270
BH-11710
BS-11590
CG-12520
CL-12565
CS-12400
CV-12805
DK-13090
DN-13690
All
None
Exclude
Summary
Field: [Customer ID]
Selection: Selected 27 of 64 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel



Creating a Group



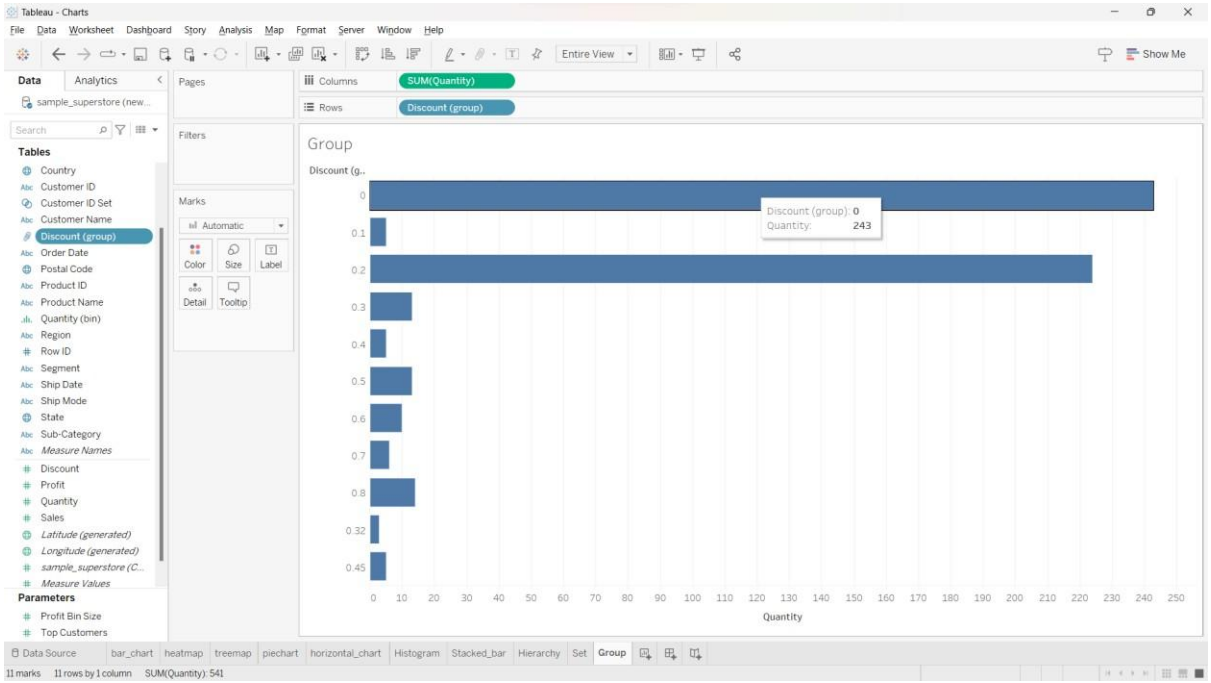


Tableau - Charts
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (new...
Search
Tables
Country
Customer ID
Customer ID Set
Customer Name
Discount (group)
Order Date
Postal Code
Product ID
Product Name
Quantity (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
SUM(Quantity)
Rows
Discount (group)
Group
Discount (g..
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.32
0.45
Discount (group): 0
Quantity: 243
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250
Quantity
Data Source
bar_chart
heatmap
treemap
piechart
horizontal_chart
Histogram
Stacked_bar
Hierarchy
Set
Group
11 marks
11 rows by 1 column
SUM(Quantity): 541