SMART BRIDGE – DATA ANALYTICS

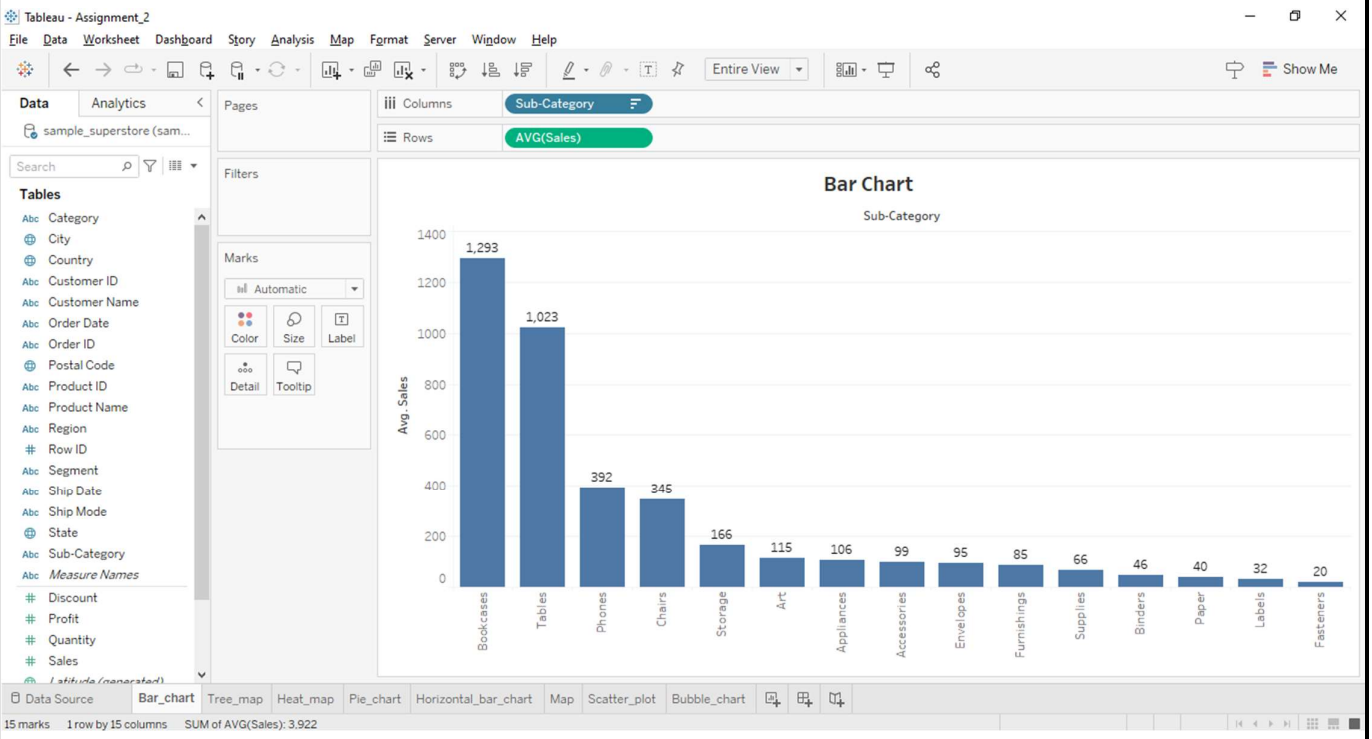
Name : MUTHU KRISHNAN P

Reg.No : 20BDS0363

ASSIGNMENT – 2

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

1.Bar chart :



2.Tree map:

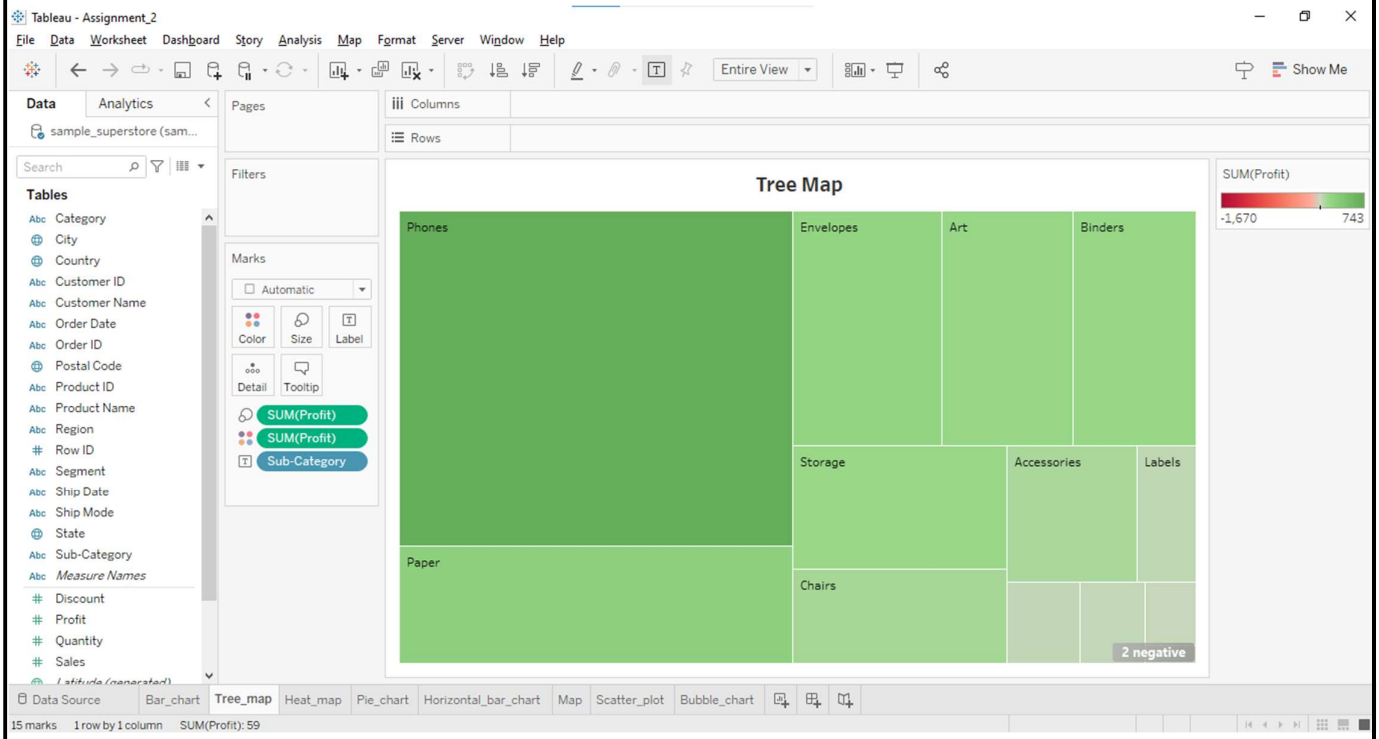


Tableau - Assignment_2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (sam...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Profit)
Sub-Category
Columns
Rows
Tree Map
Phones
Envelopes
Art
Binders
Storage
Accessories
Labels
Paper
Chairs
2 negative
SUM(Profit)
-1,670
743
Data Source
Bar_chart
Tree_map
Heat_map
Pie_chart
Horizontal_bar_chart
Map
Scatter_plot
Bubble_chart
15 marks
1 row by 1 column
SUM(Profit): 59

3.Map

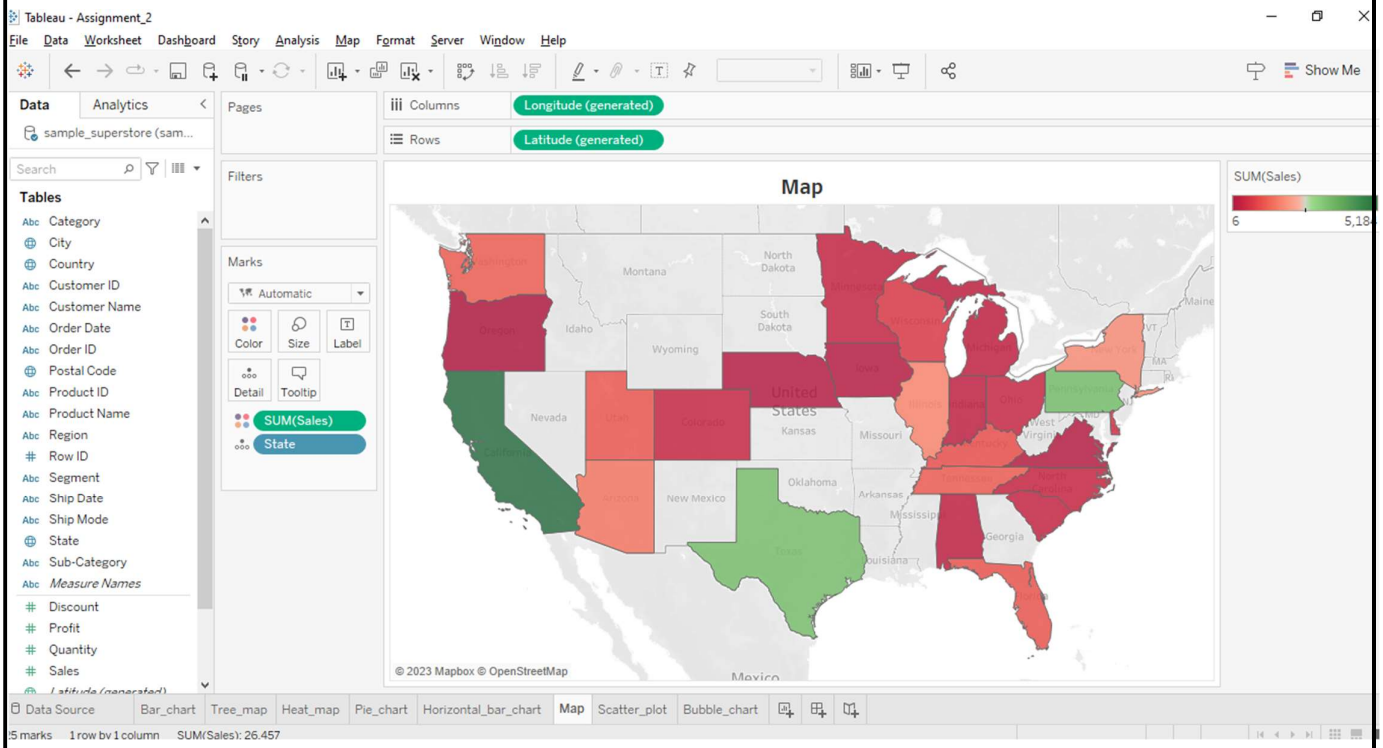
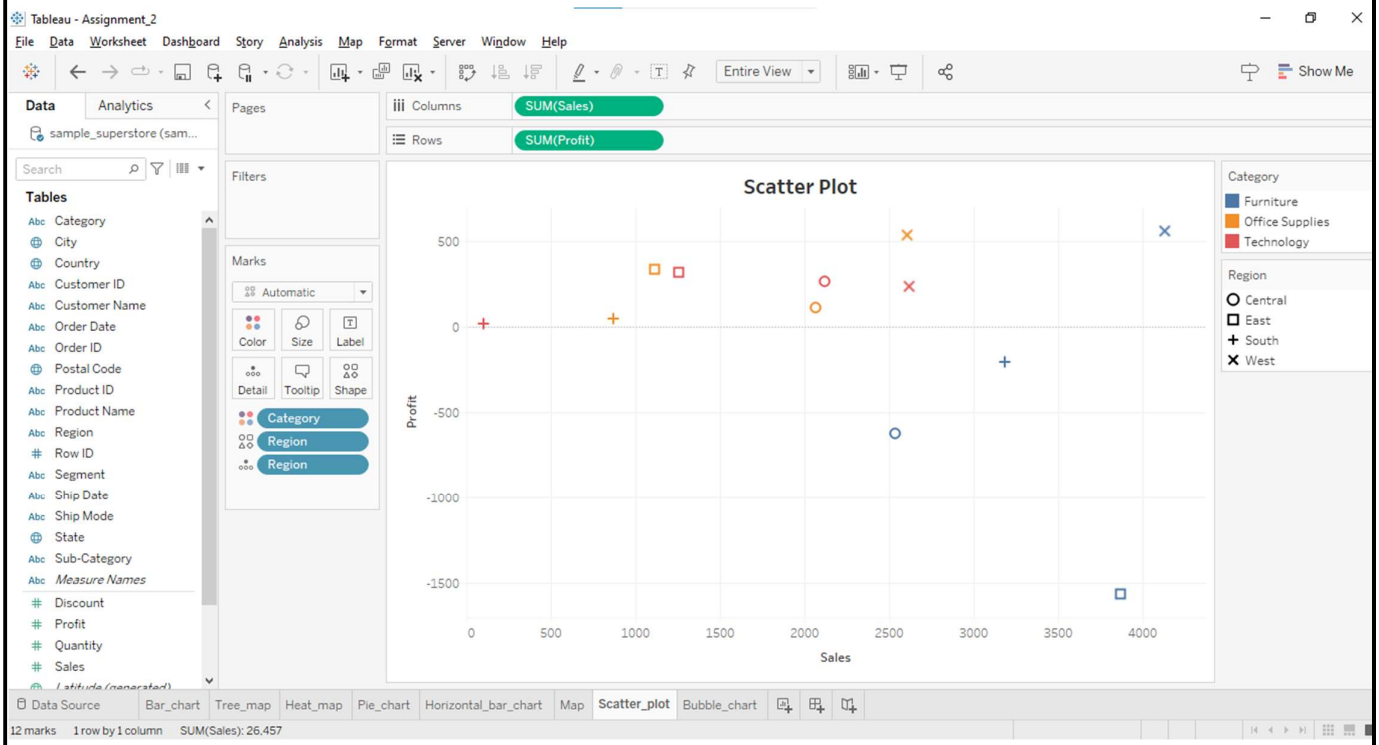
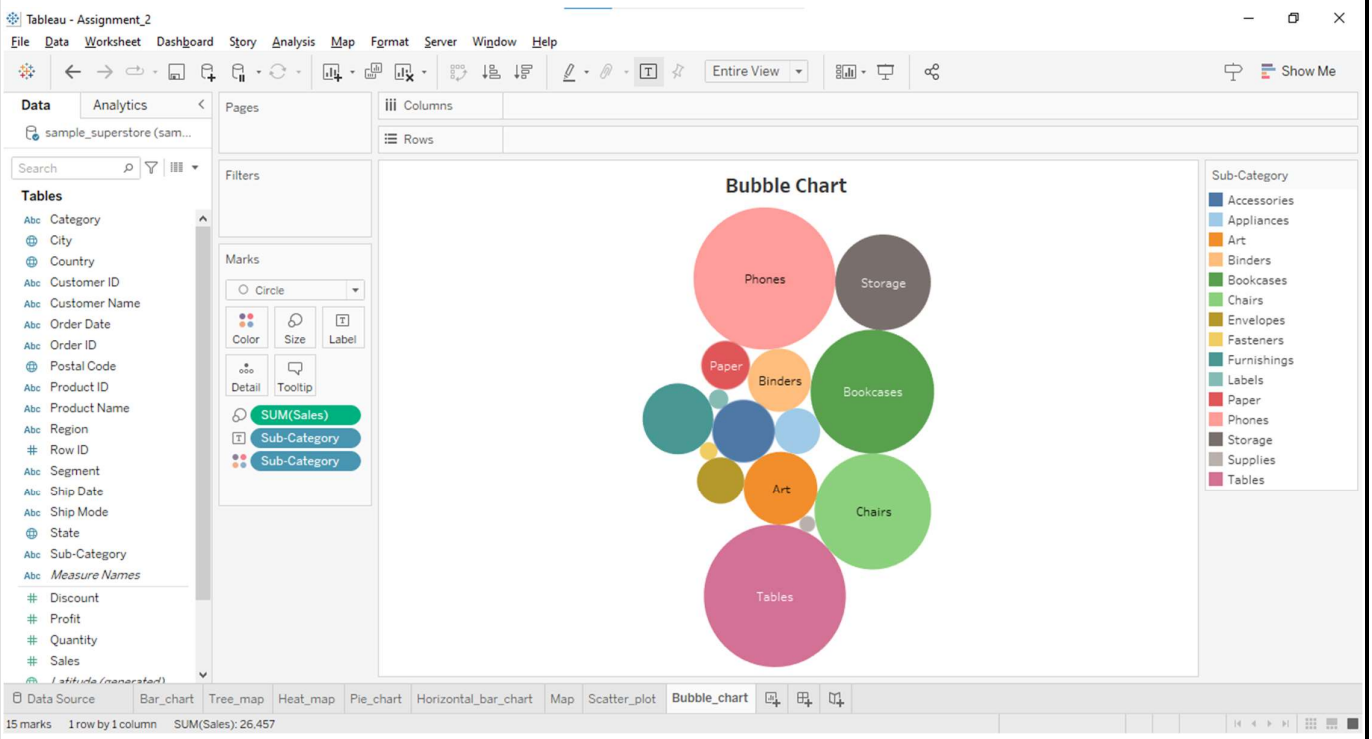


Tableau - Assignment_2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data
Analytics
sample_superstore (sam...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Sales)
State
Columns
Longitude (generated)
Rows
Latitude (generated)
Map
Montana
North Dakota
South Dakota
Wyoming
Idaho
Nevada
Utah
Colorado
Kansas
Missouri
Oklahoma
Arkansas
New Mexico
Arizona
Georgia
United States
© 2023 Mapbox © OpenStreetMap
Mexico
SUM(Sales)
6
5,184
Data Source
Bar_chart
Tree_map
Heat_map
Pie_chart
Horizontal_bar_chart
Map
Scatter_plot
Bubble_chart
15 marks
1 row by 1 column
SUM(Sales): 26,457

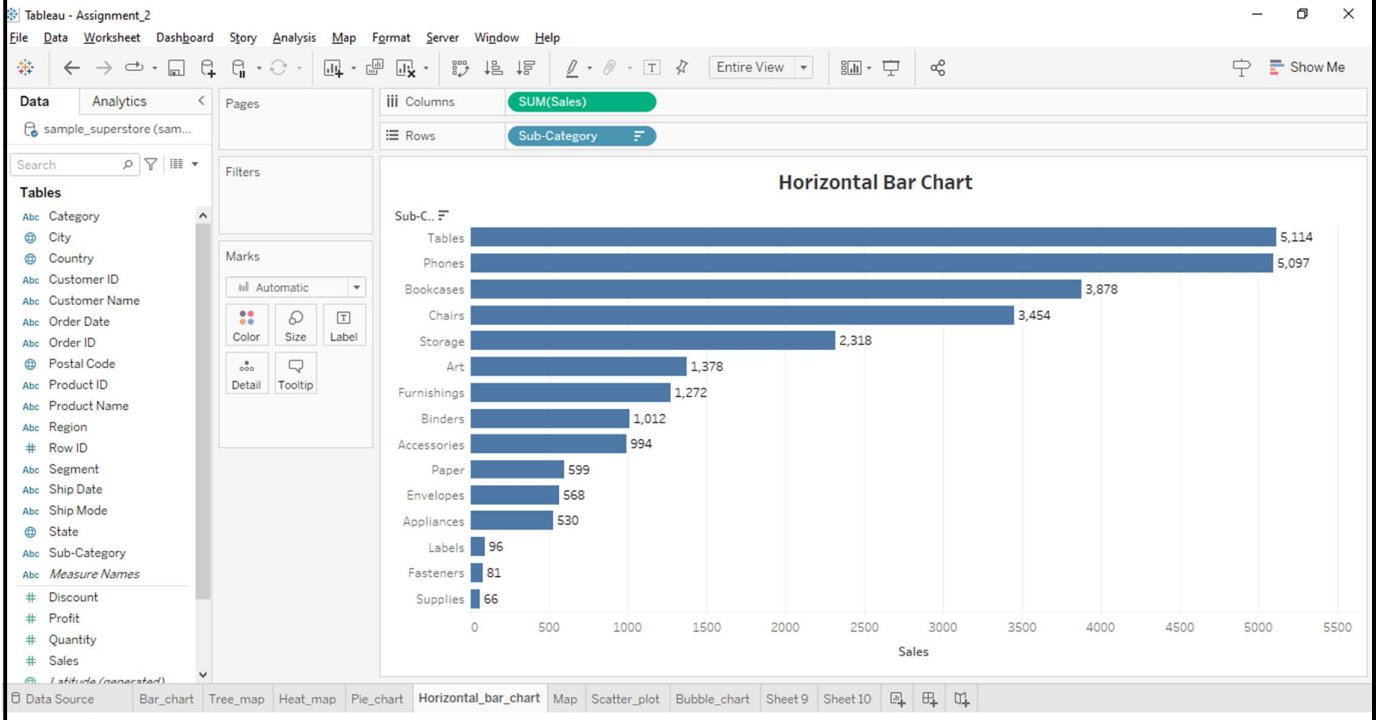
4.Scatter plot :



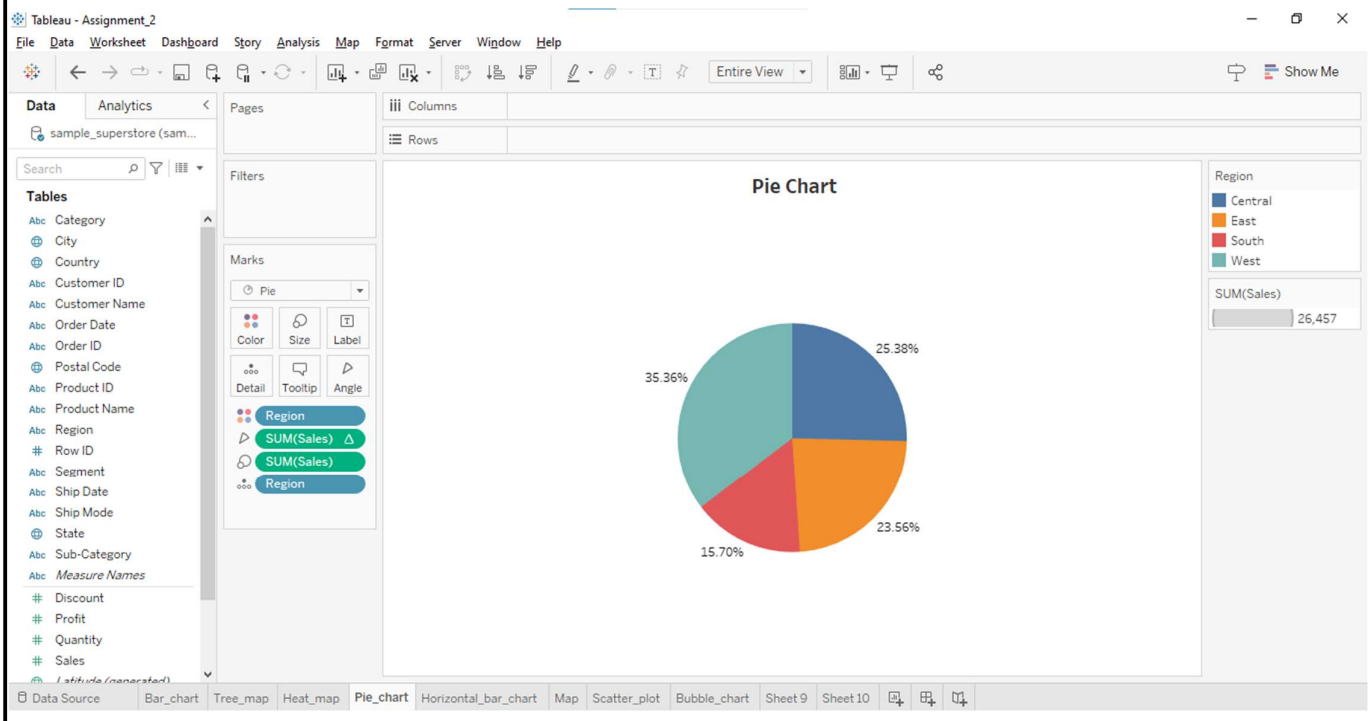
5.Bubble chart :



6.Horizontal Bar Chart:

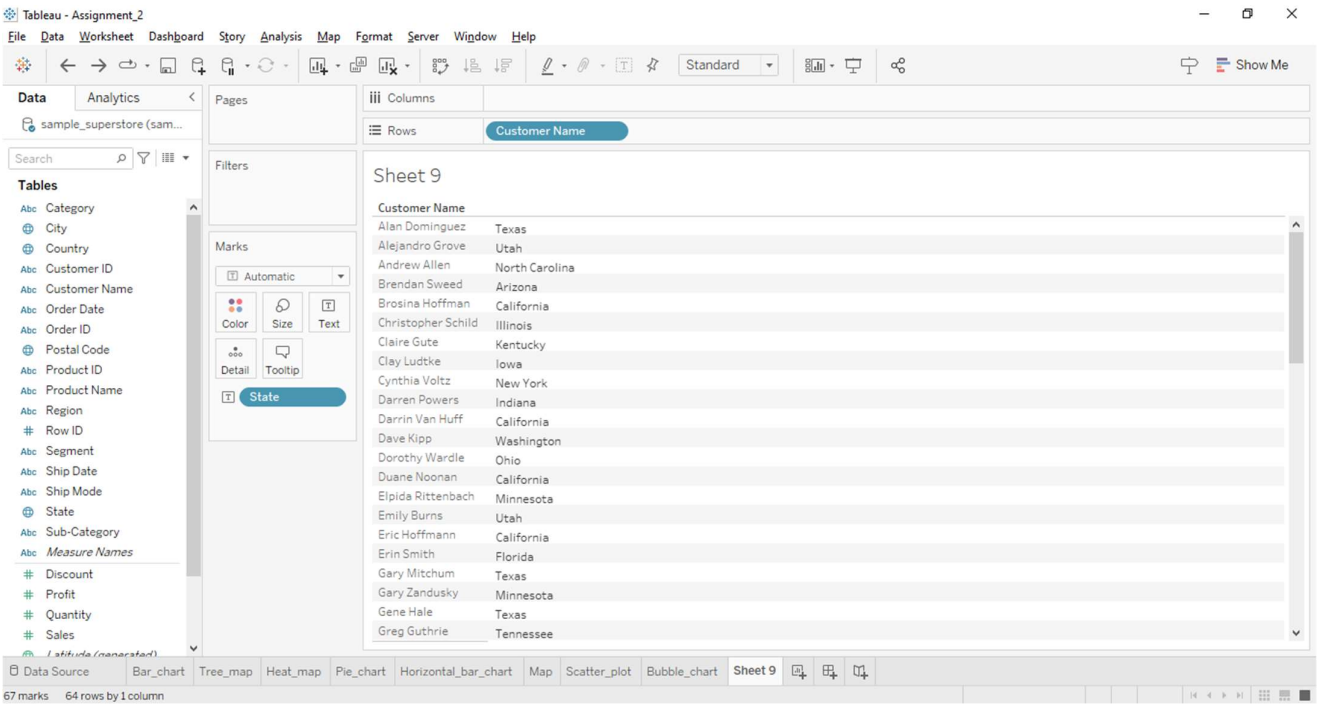


7.Pie Chart:

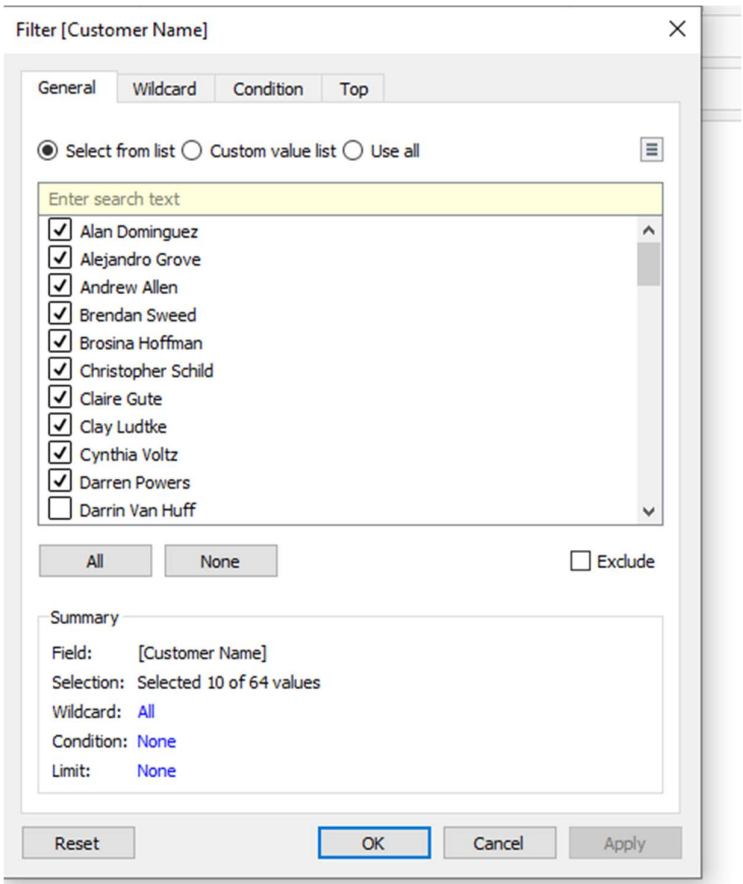


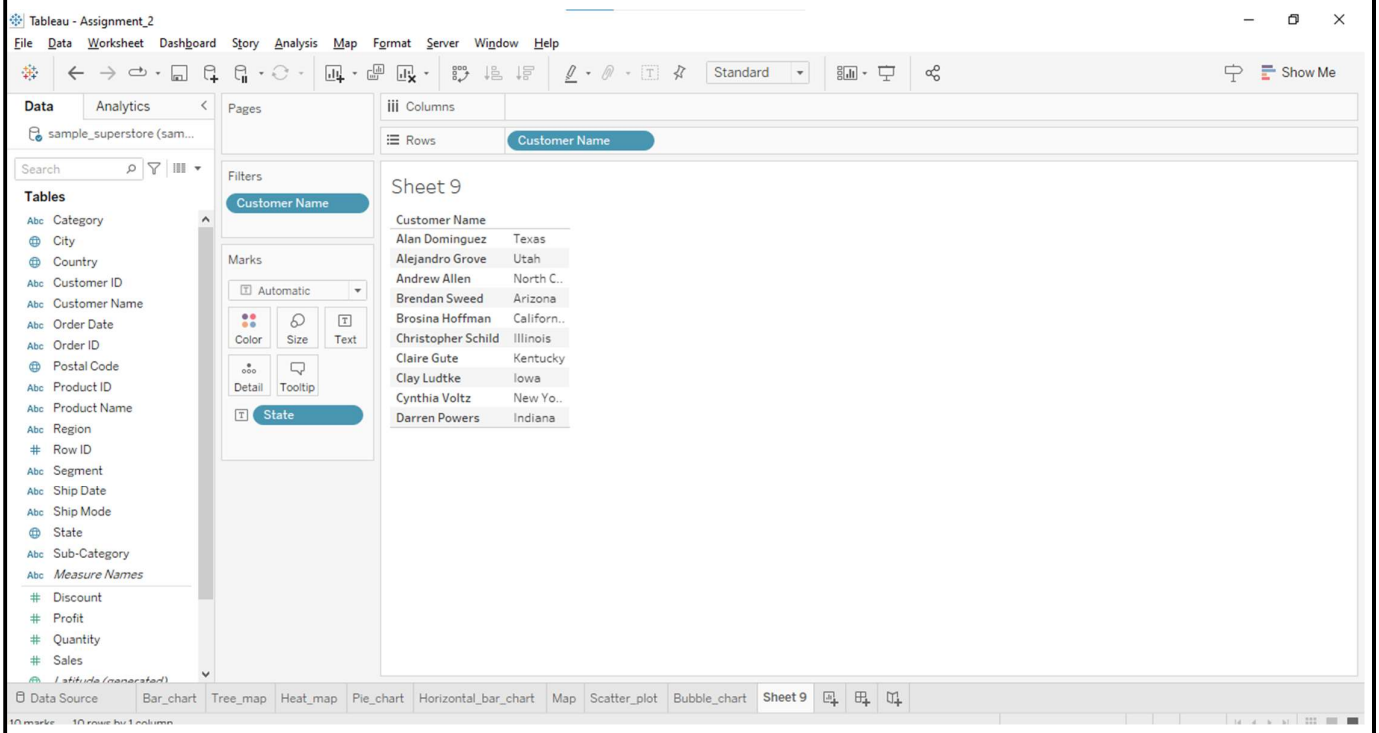
2.Apply dimension filter. Context and measure filter on any of three visualizations

1.Dimension filter :

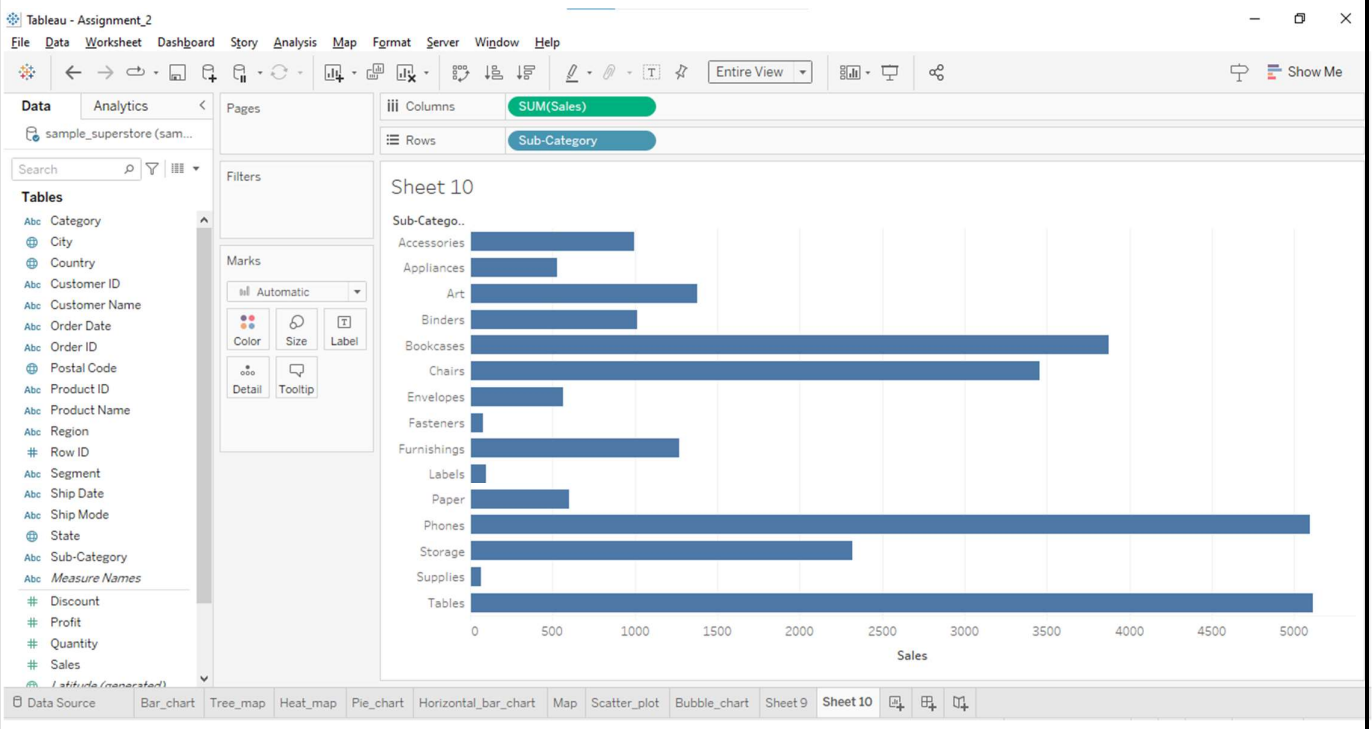


Applying filter on customer name dimension(first 10 names):

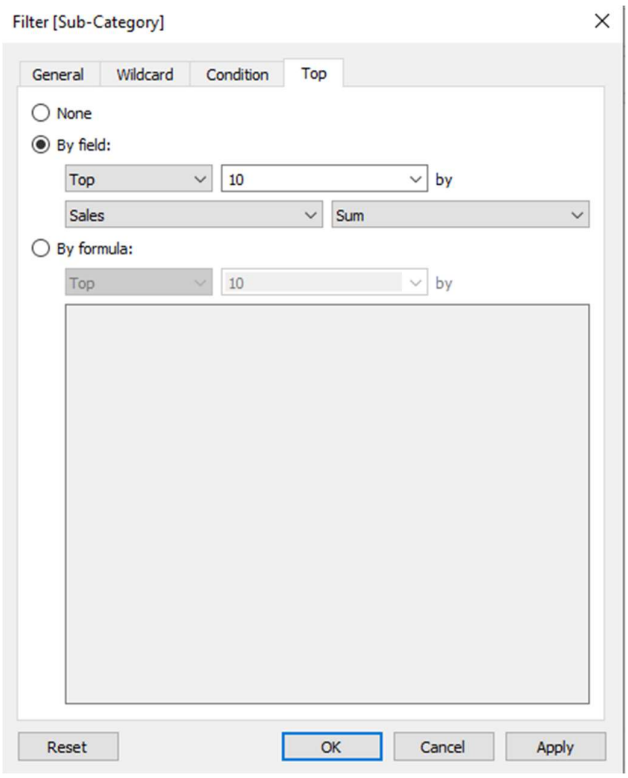




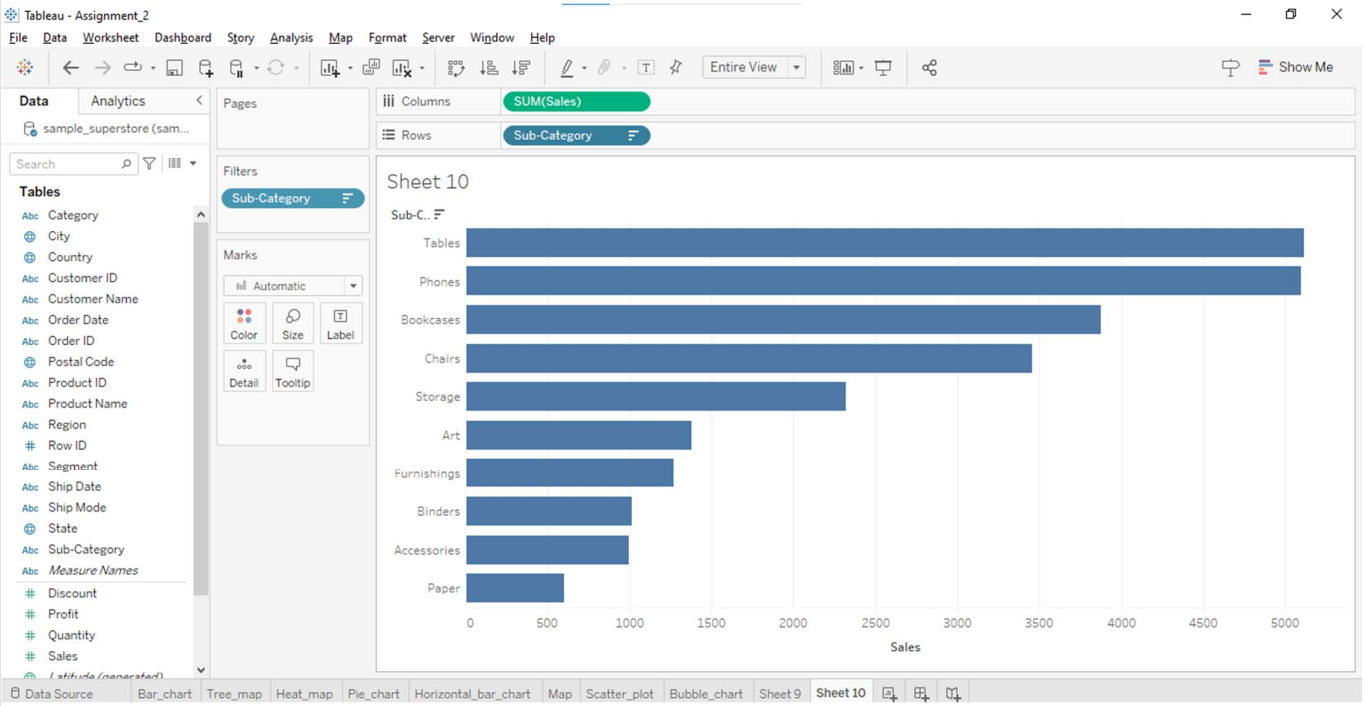
2.Context filter:



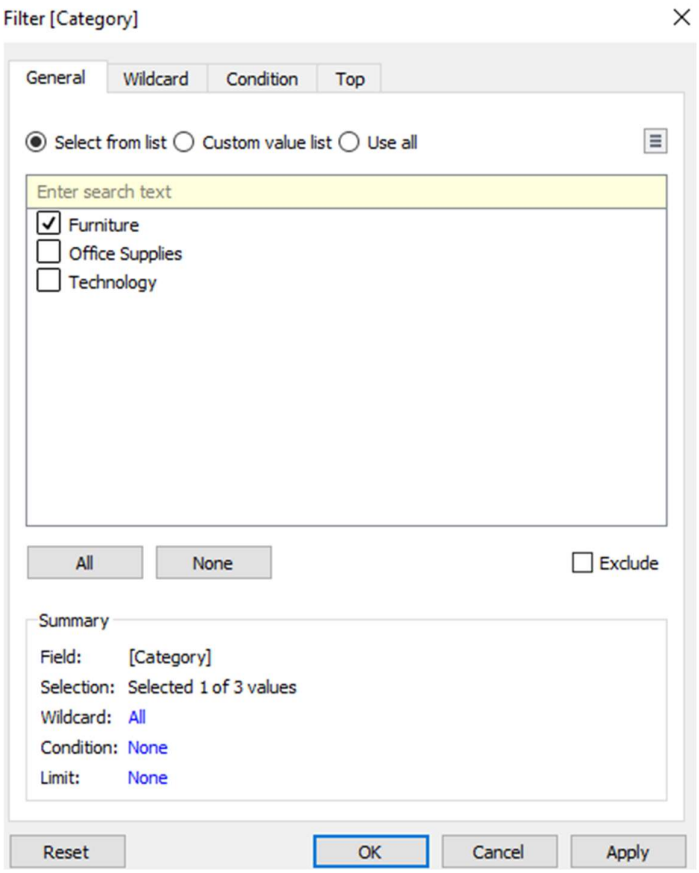
Apply filter on ‘sub-category’ dimension. Filter top 10 sales.

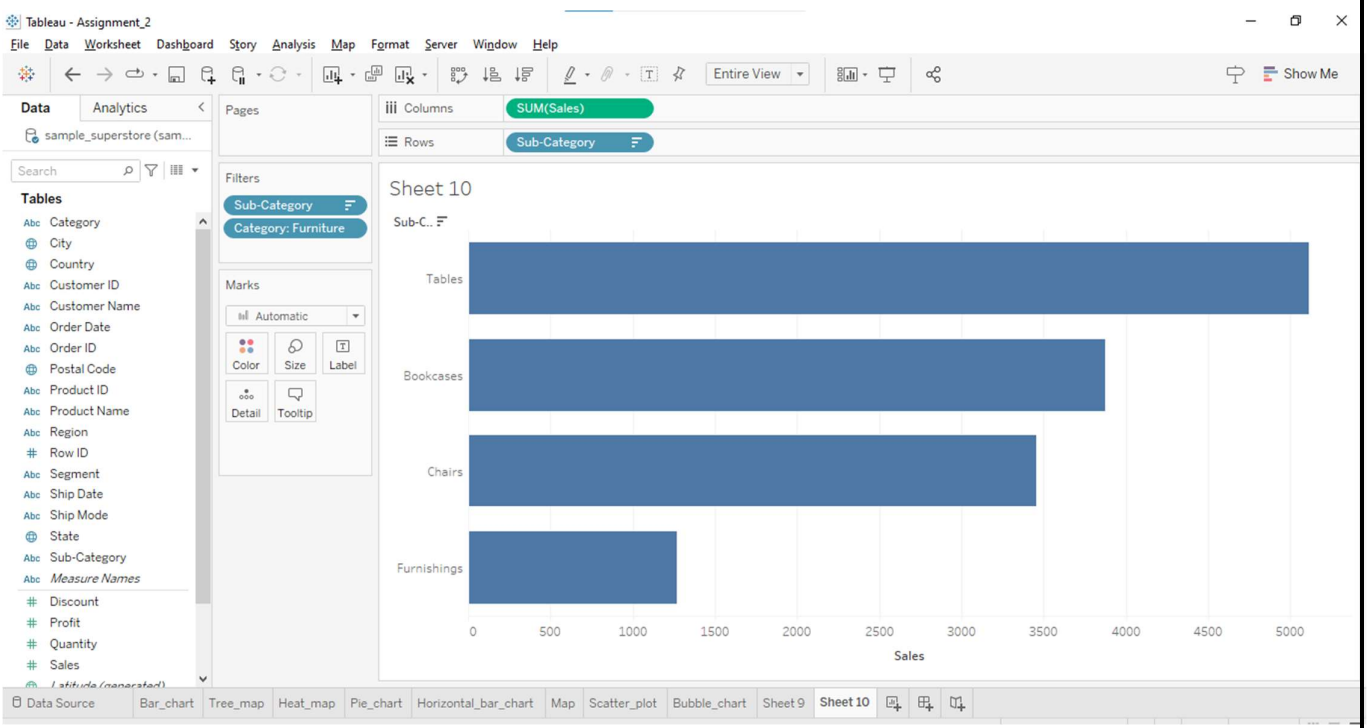


Sort by descending order



Apply filter on ‘Category’ dimension. Filter only ‘furniture’.





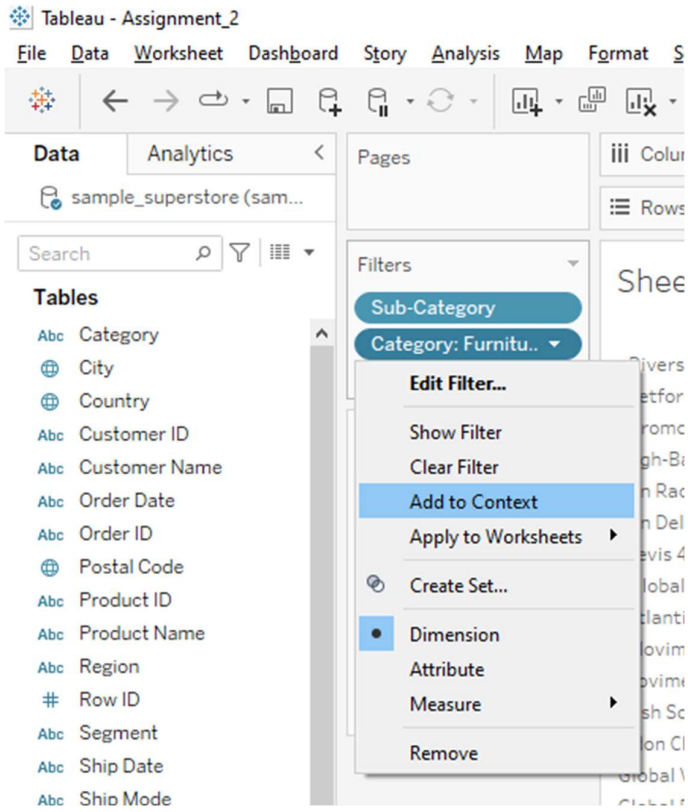


Tableau - Assignment_2
File Data Worksheet Dashboard Story Analysis Map Format S
Data
Analytics
sample_superstore (sam...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
Pages
Filters
Sub-Category
Category: Furnitu..
Edit Filter...
Show Filter
Clear Filter
Add to Context
Apply to Worksheets
Create Set...
Dimension
Attribute
Measure
Remove

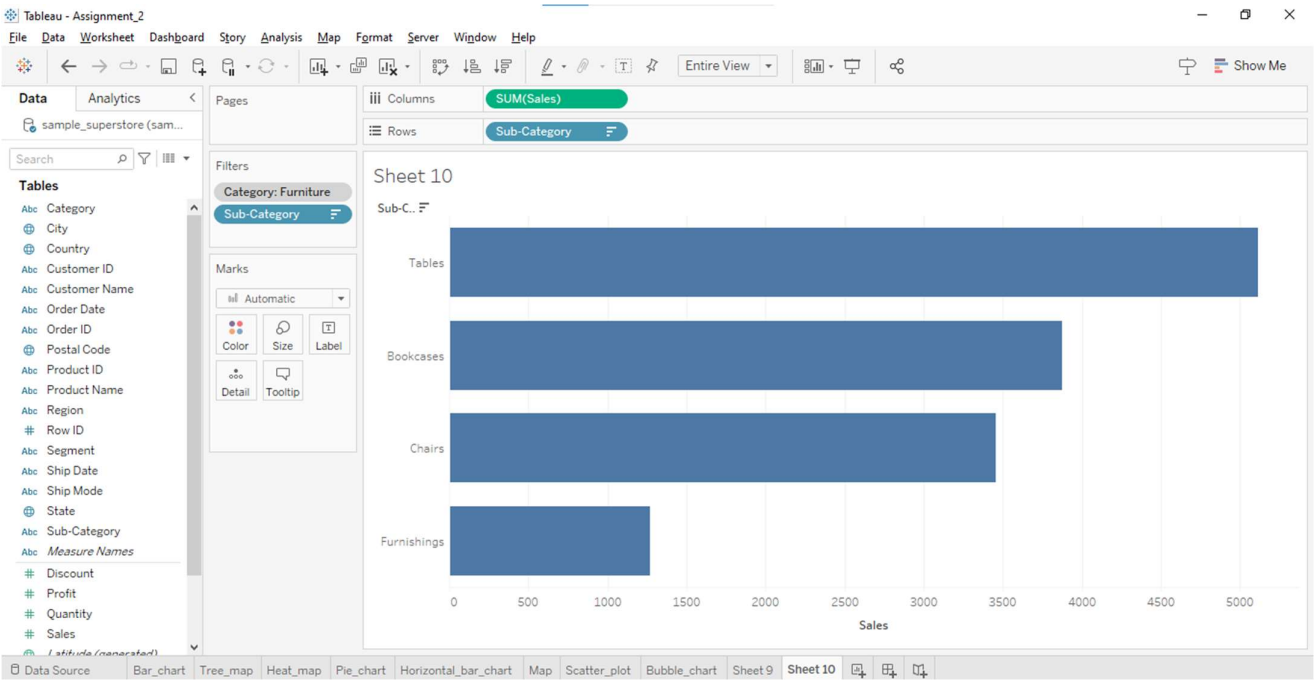
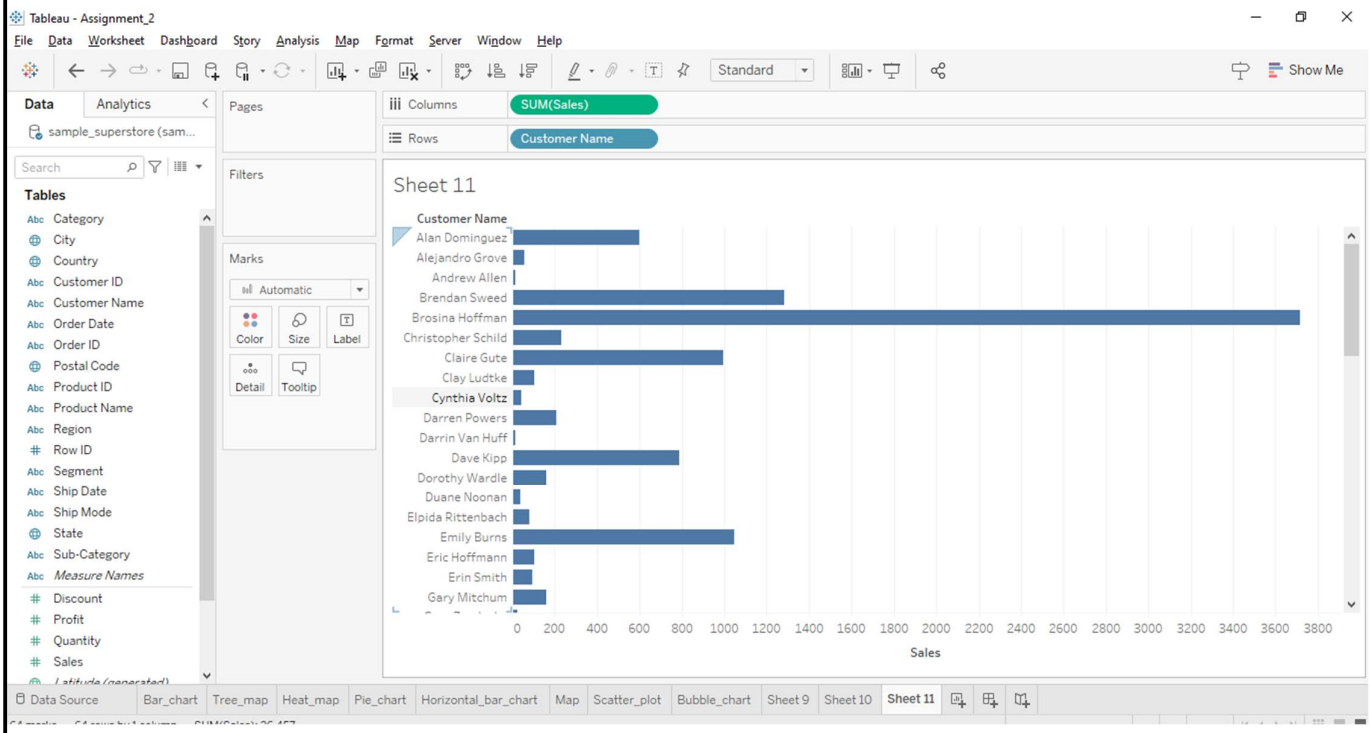
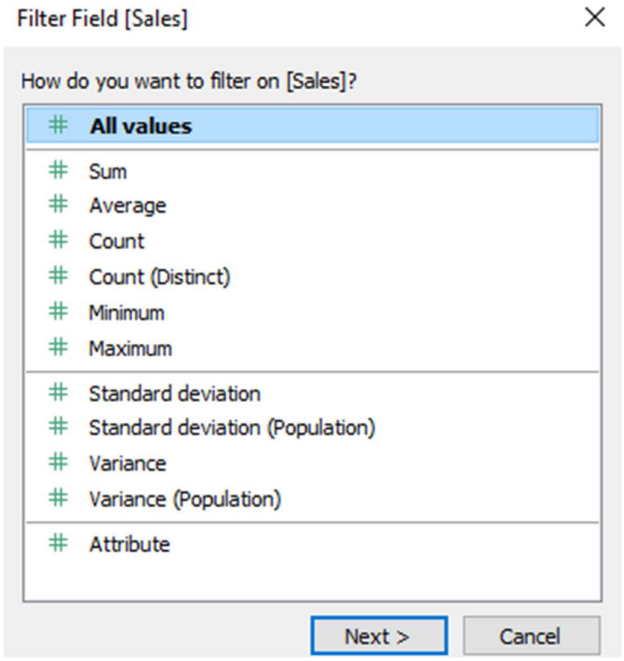


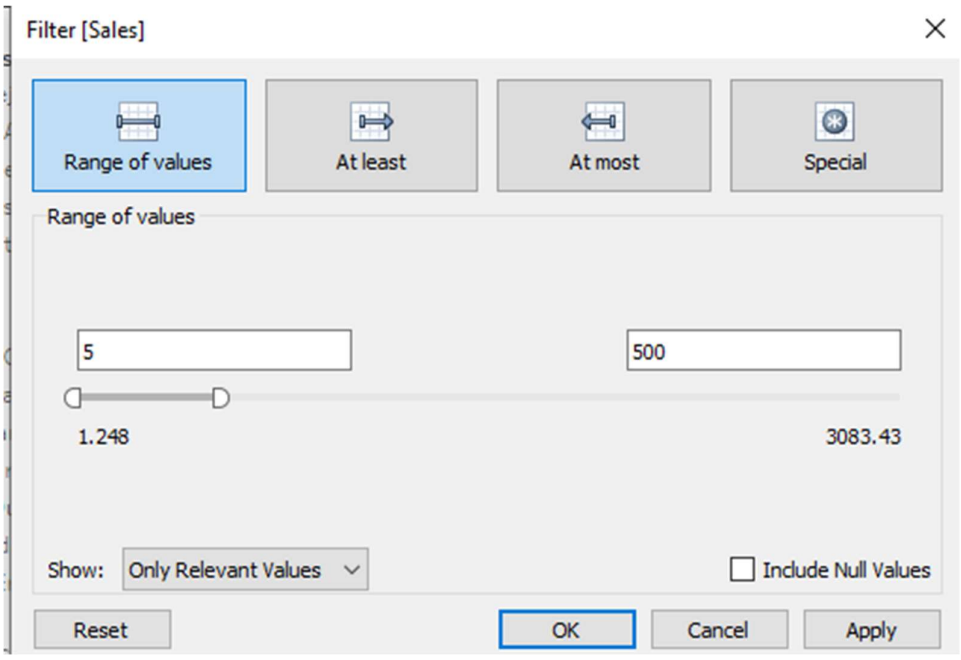
Tableau - Assignment_2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (sam...
Pages
Columns
SUM(Sales)
Rows
Sub-Category
Filters
Category: Furniture
Sub-Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Sheet 10
Sub-C..
Tables
Bookcases
Chairs
Furnishings
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
Sales
Data Source
Bar_chart
Tree_map
Heat_map
Pie_chart
Horizontal_bar_chart
Map
Scatter_plot
Bubble_chart
Sheet 9
Sheet 10

3.Measure filter:



Apply filter on ‘sales’ measure




Filter [Sales]
Range of values
At least
At most
Special
Range of values
5
500
1.248
3083.43
Show:
Only Relevant Values
Include Null Values
Reset
OK
Cancel
Apply

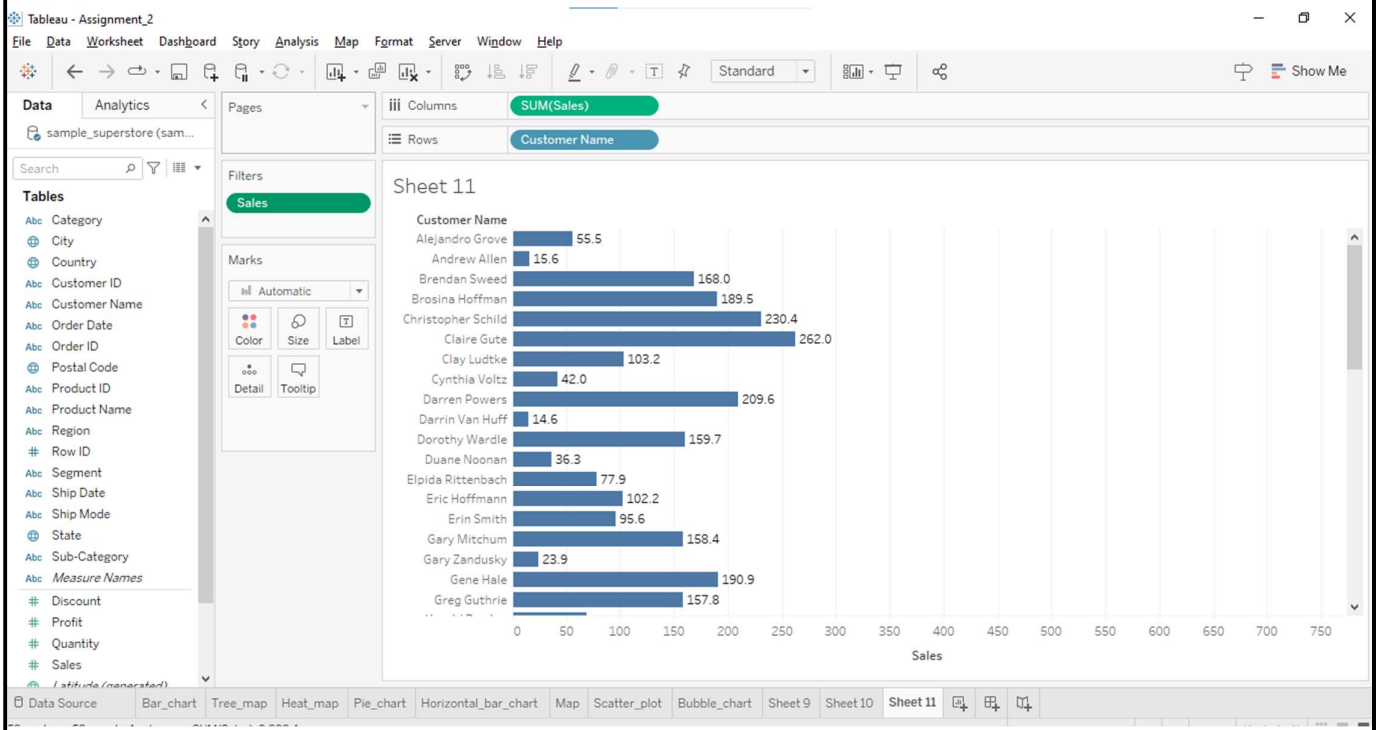
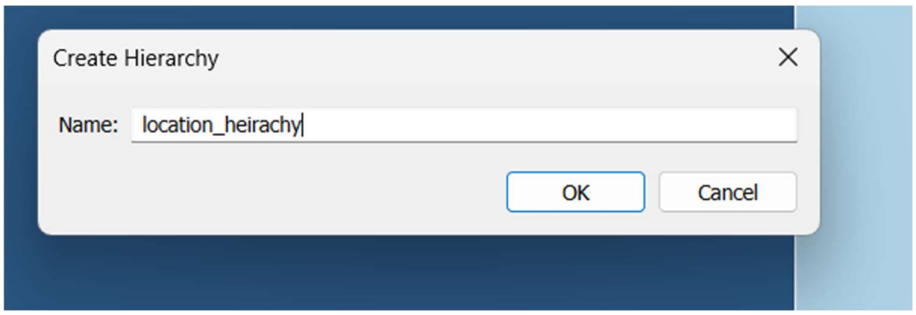


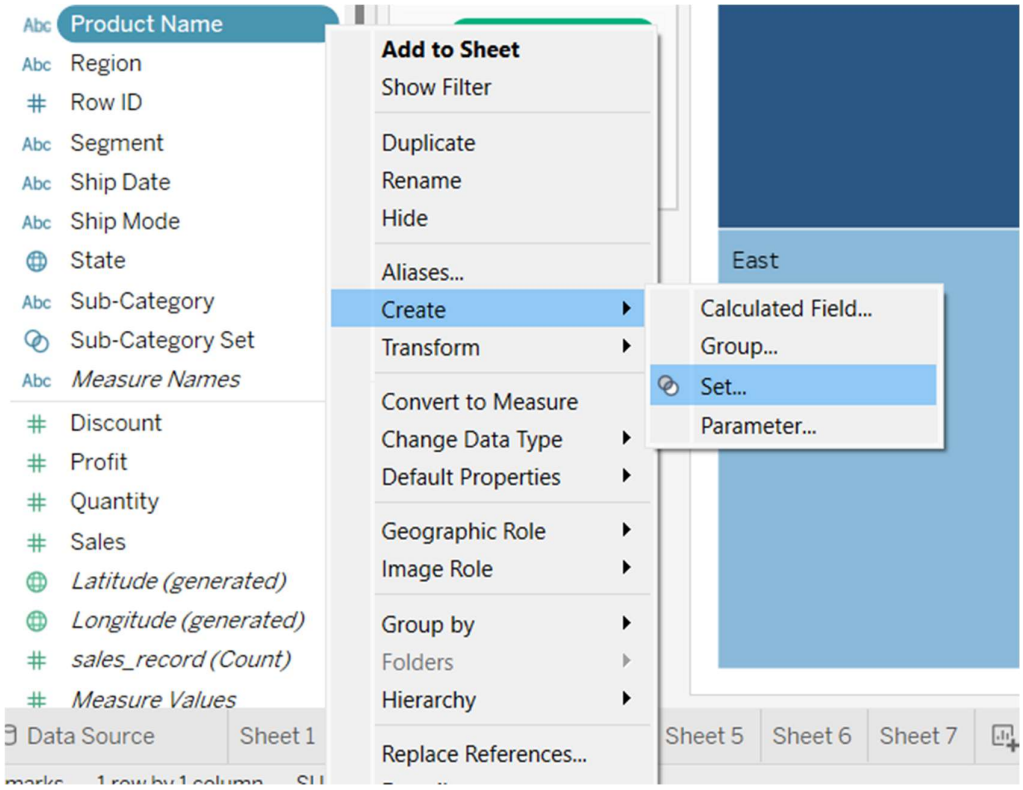
Tableau - Assignment_2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (sam...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Pages
Columns
SUM(Sales)
Rows
Customer Name
Filters
Sales
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Sheet 11
Customer Name
Alejandro Grove 55.5
Andrew Allen 15.6
Brendan Sweed 168.0
Brosina Hoffman 189.5
Christopher Schild 230.4
Claire Gute 262.0
Clay Ludtke 103.2
Cynthia Voltz 42.0
Darren Powers 209.6
Darrin Van Huff 14.6
Dorothy Wardle 159.7
Duane Noonan 36.3
Elpida Rittenbach 77.9
Eric Hoffmann 102.2
Erin Smith 95.6
Gary Mitchum 158.4
Gary Zandusky 23.9
Gene Hale 190.9
Greg Guthrie 157.8
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750
Sales
Data Source
Bar_chart
Tree_map
Heat_map
Pie_chart
Horizontal_bar_chart
Map
Scatter_plot
Bubble_chart
Sheet 9
Sheet 10
Sheet 11

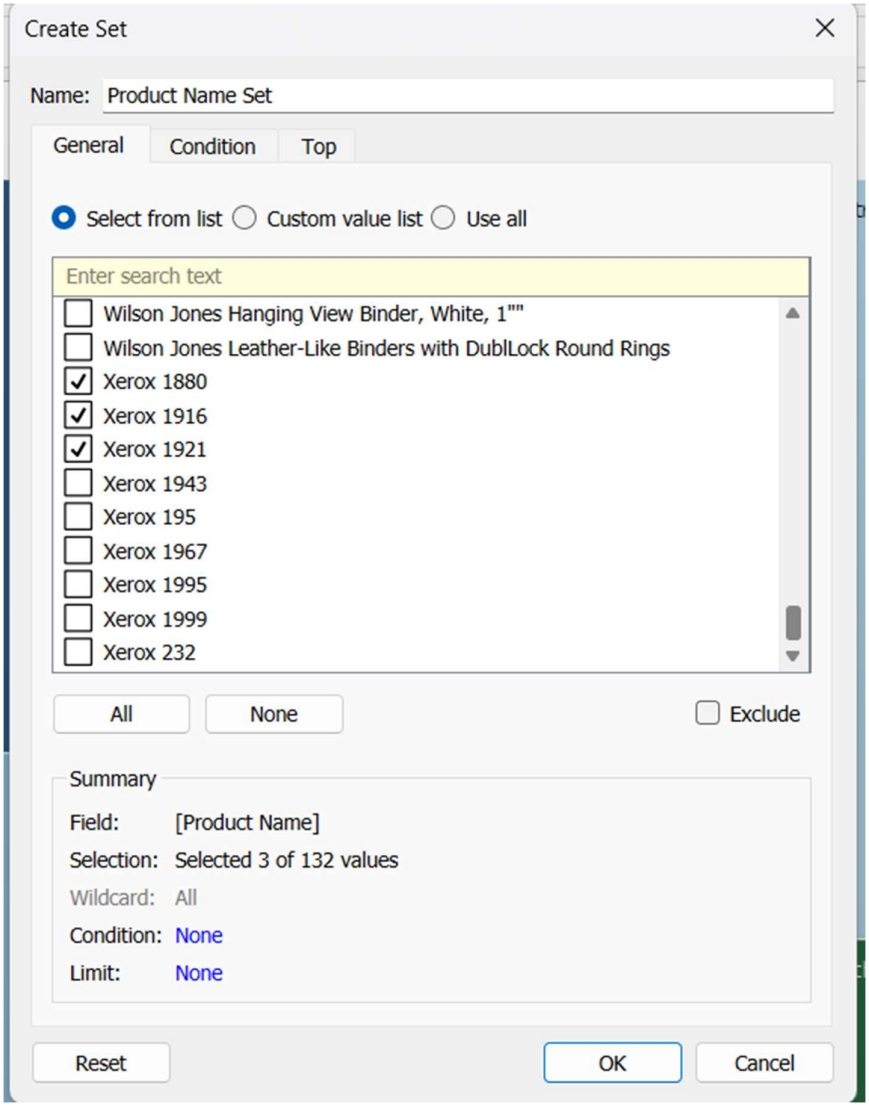
3) Perform the following data manipulations on your dataset

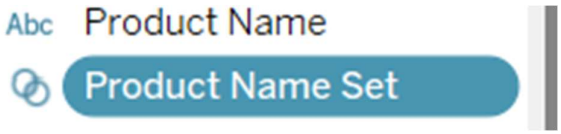
Create a Hierarchy



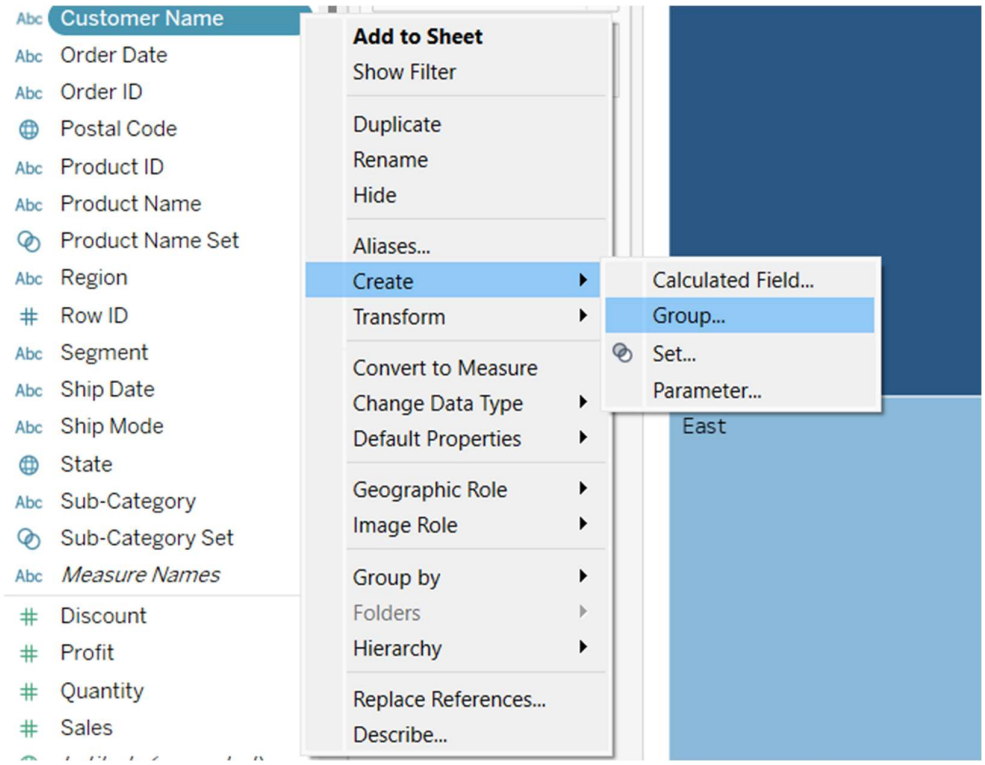
Create a set

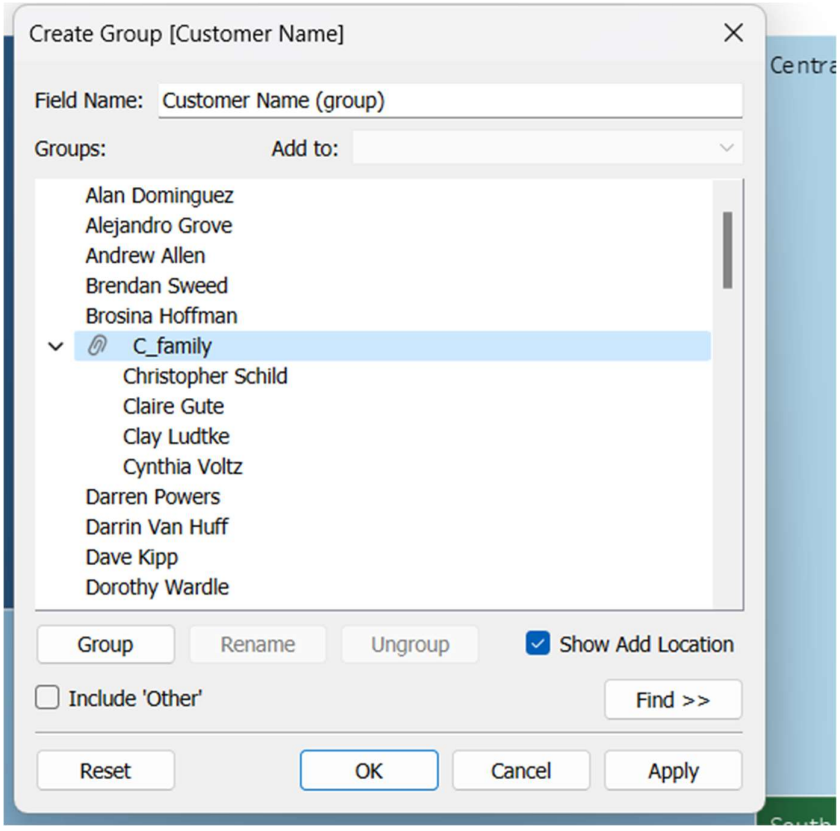


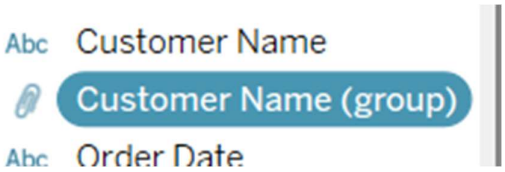




Create a group


Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Product Name Set
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Sub-Category Set
Measure Names
Discount
Profit
Quantity
Sales
Add to Sheet
Show Filter
Duplicate
Rename
Hide
Aliases...
Create
Transform
Convert to Measure
Change Data Type
Default Properties
Geographic Role
Image Role
Group by
Folders
Hierarchy
Replace References...
Describe...
Calculated Field...
Group...
Set...
Parameter...
East


Create Group [Customer Name]
Field Name: Customer Name (group)
Groups:
Add to:
Alan Dominguez
Alejandro Grove
Andrew Allen
Brendan Sweed
Brosina Hoffman
C_family
Christopher Schild
Claire Gute
Clay Ludtke
Cynthia Voltz
Darren Powers
Darrin Van Huff
Dave Kipp
Dorothy Wardle
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply


Customer Name
Customer Name (group)
Order Date