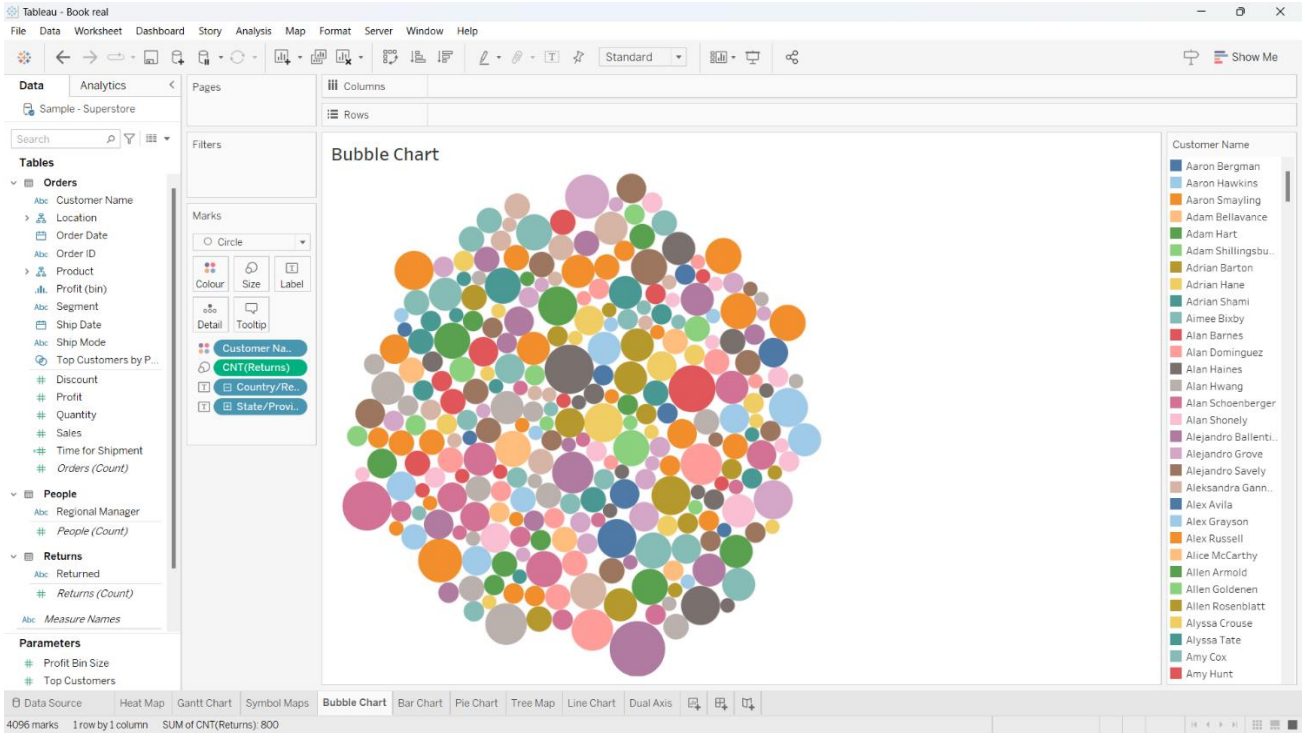
Name – Hare Krishana Mishra

Reg no – 20BCE11077

College – VIT - Bhopal

Assignment 2

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



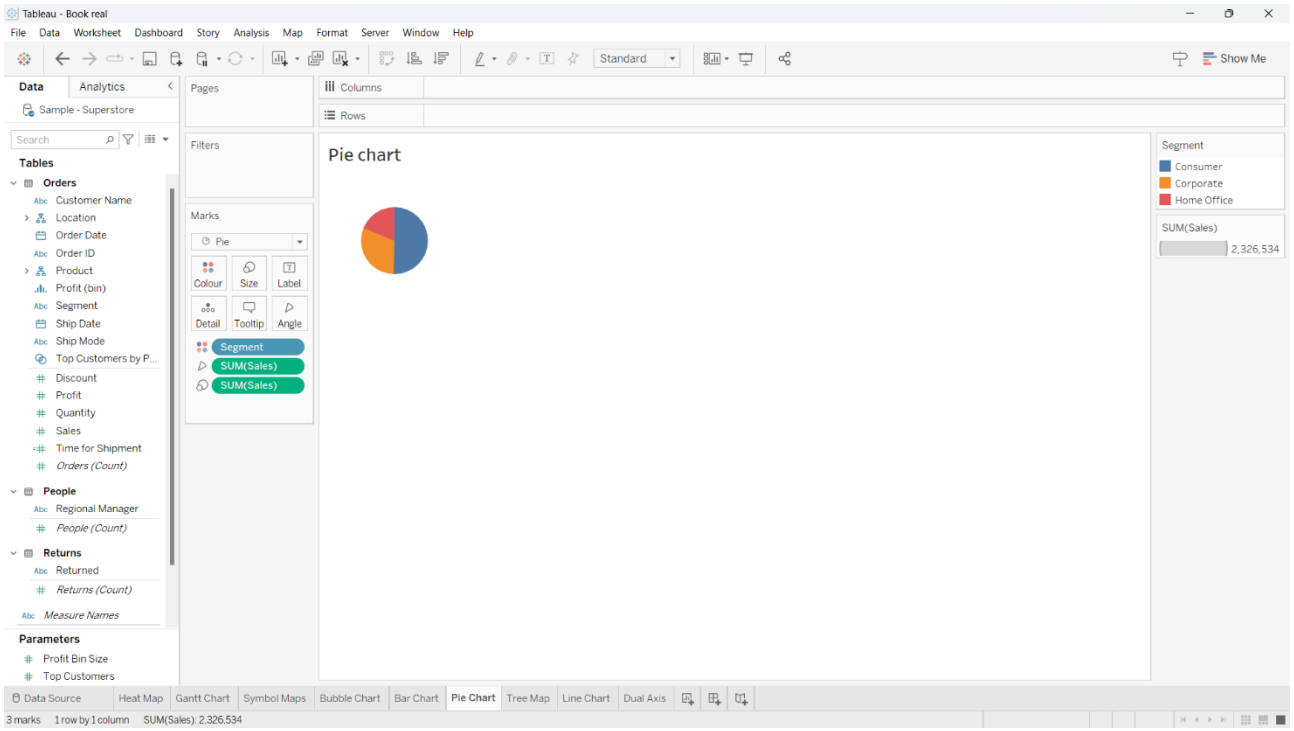


Tableau - Book real
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Tables
Orders
Customer Name
Location
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Discount
Profit
Quantity
Sales
Time for Shipment
Orders (Count)
People
Regional Manager
People (Count)
Returns
Returned
Returns (Count)
Measure Names
Parameters
Profit Bin Size
Top Customers
Pages
Columns
Rows
Filters
Marks
Pie
Colour
Size
Label
Detail
Tooltip
Angle
Segment
SUM(Sales)
SUM(Sales)
Pie chart
Segment
Consumer
Corporate
Home Office
SUM(Sales)
2,326,534
Data Source
Heat Map
Gantt Chart
Symbol Maps
Bubble Chart
Bar Chart
Pie Chart
Tree Map
Line Chart
Dual Axis
3 marks
1 row by 1 column
SUM(Sales): 2,326,534

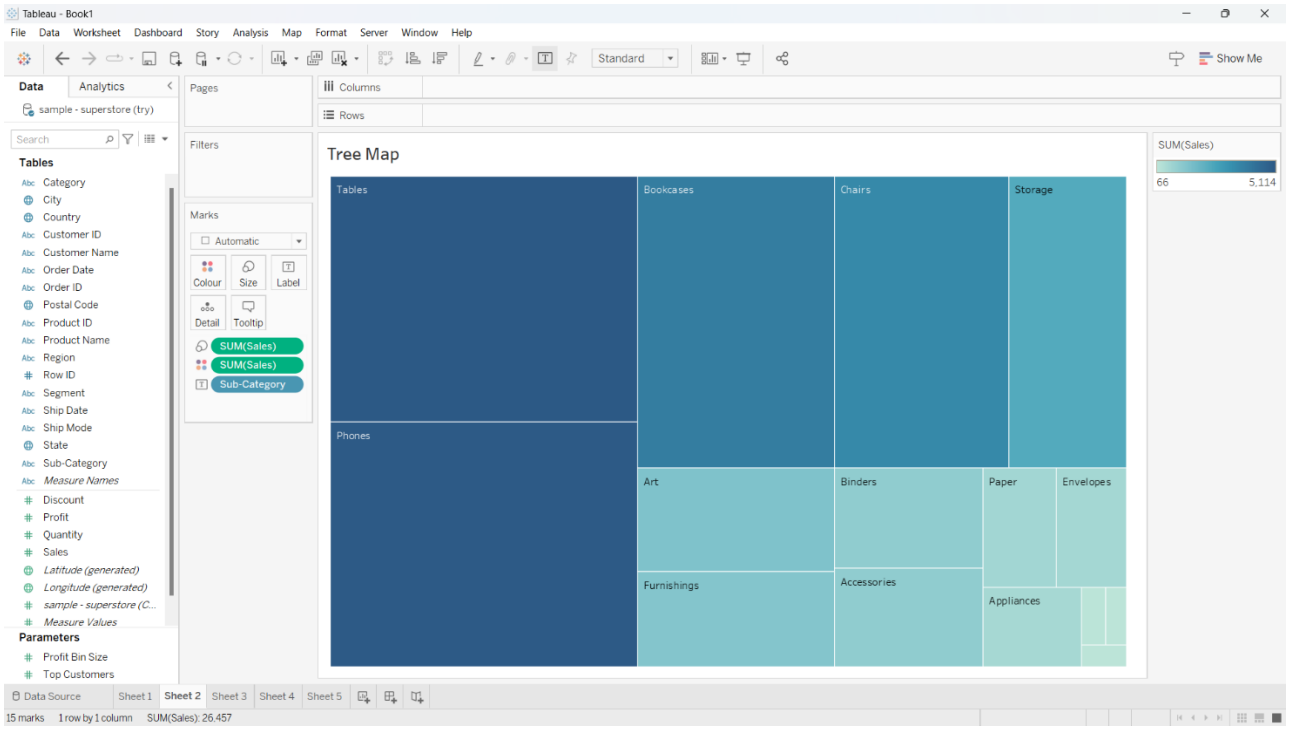


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample - superstore (try)
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship 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
Columns
Rows
Filters
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
SUM(Sales)
SUM(Sales)
Sub-Category
Tree Map
Tables
Bookcases
Chairs
Storage
Phones
Art
Binders
Paper
Envelopes
Furnishings
Accessories
Appliances
SUM(Sales)
66
5,114
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
15 marks
1 row by 1 column
SUM(Sales): 26,457

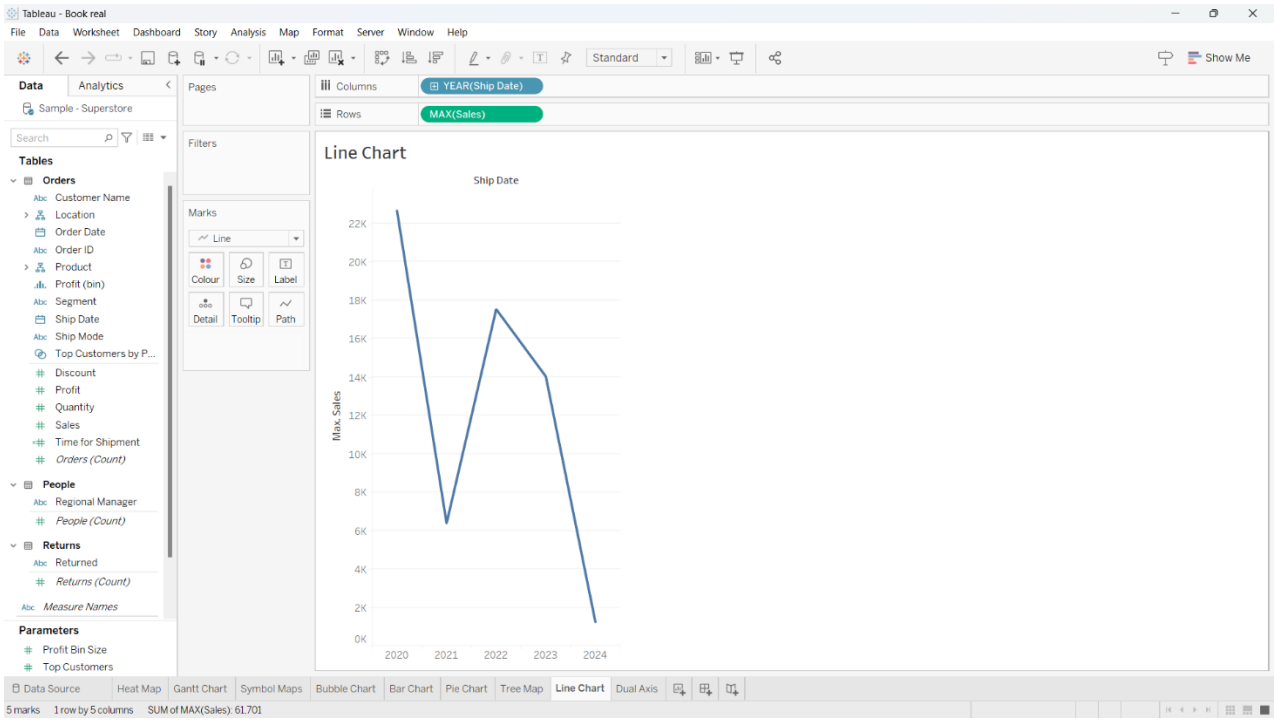


Tableau - Book real
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Tables
Orders
Customer Name
Location
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Discount
Profit
Quantity
Sales
Time for Shipment
Orders (Count)
People
Regional Manager
People (Count)
Returns
Returned
Returns (Count)
Measure Names
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Line
Colour
Size
Label
Detail
Tooltip
Path
Columns
YEAR(Ship Date)
Rows
MAX(Sales)
Line Chart
Ship Date
Max. Sales
22K
20K
18K
16K
14K
12K
10K
8K
6K
4K
2K
0K
2020
2021
2022
2023
2024
Data Source
Heat Map
Gantt Chart
Symbol Maps
Bubble Chart
Bar Chart
Pie Chart
Tree Map
Line Chart
Dual Axis
5 marks
1 row by 5 columns
SUM of MAX(Sales): 61,701

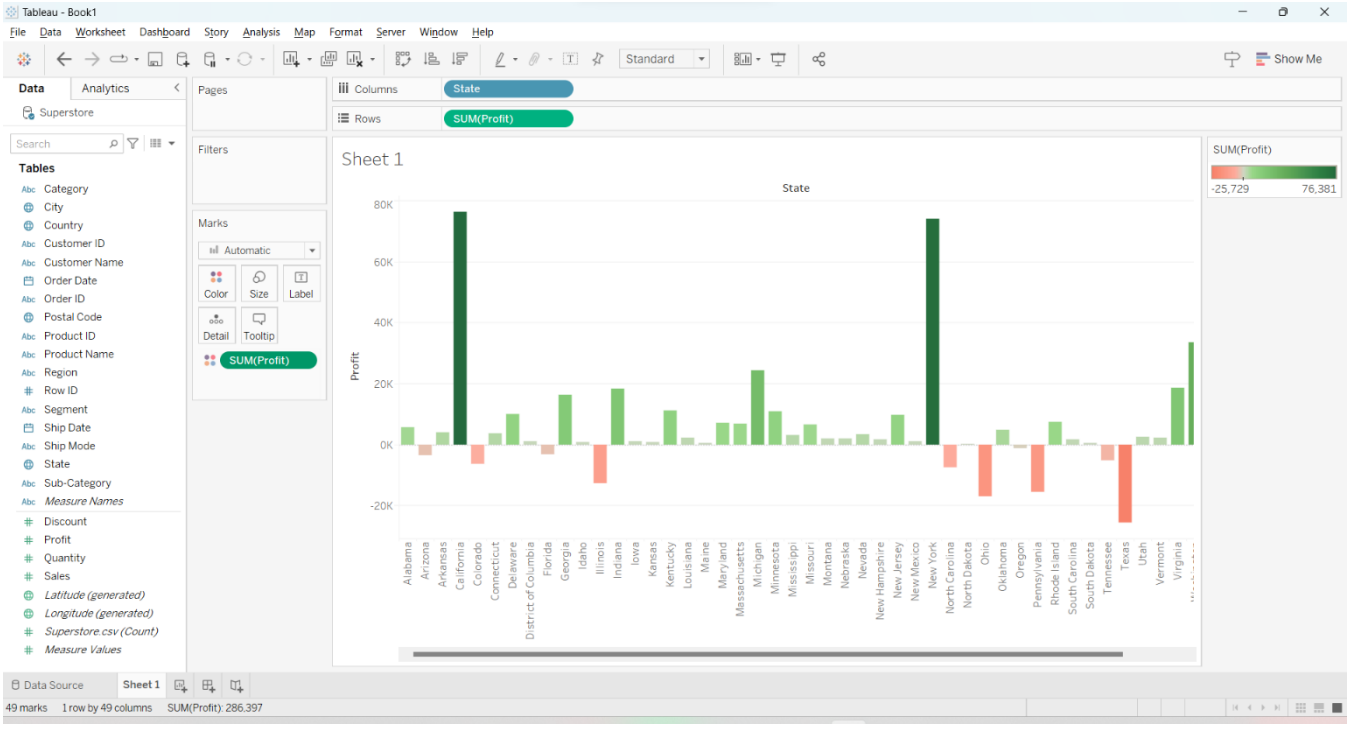


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Superstore
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
Superstore.csv (Count)
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
Columns
State
Rows
SUM(Profit)
Sheet 1
State
Profit
80K
60K
40K
20K
0K
-20K
Alabama
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
SUM(Profit)
-25,729
76,381
Data Source
Sheet 1
49 marks
1 row by 49 columns
SUM(Profit): 286,397

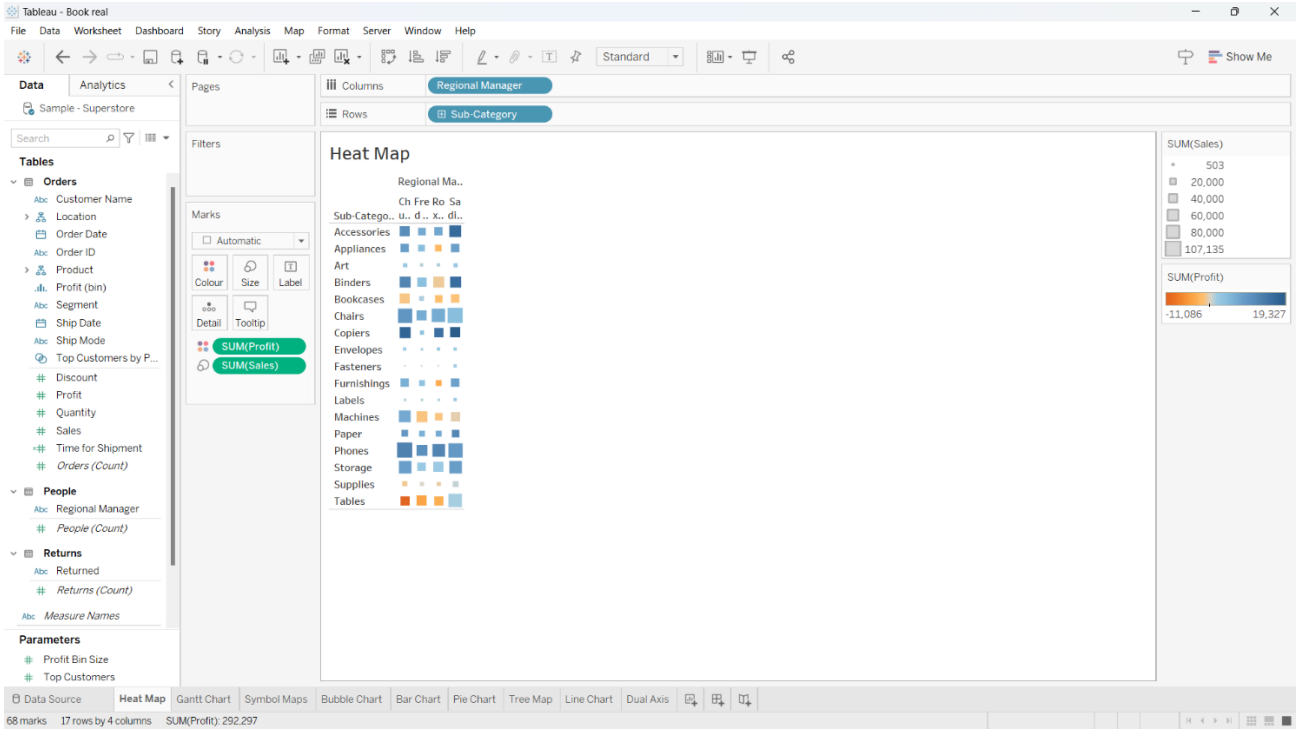


Tableau - Book real
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Tables
Orders
Customer Name
Location
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Discount
Profit
Quantity
Sales
Time for Shipment
Orders (Count)
People
Regional Manager
People (Count)
Returns
Returned
Returns (Count)
Measure Names
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Sales)
Columns
Regional Manager
Rows
Sub-Category
Heat Map
Regional Ma..
Ch Fre Ro Sa
Sub-Catego.. u.. d .. x.. d..
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Copiers
Envelopes
Fasteners
Furnishings
Labels
Machines
Paper
Phones
Storage
Supplies
Tables
SUM(Sales)
503
20,000
40,000
60,000
80,000
107,135
SUM(Profit)
-11,086
19,327
Data Source
Heat Map
Gantt Chart
Symbol Maps
Bubble Chart
Bar Chart
Pie Chart
Tree Map
Line Chart
Dual Axis
68 marks
17 rows by 4 columns
SUM(Profit): 292,297

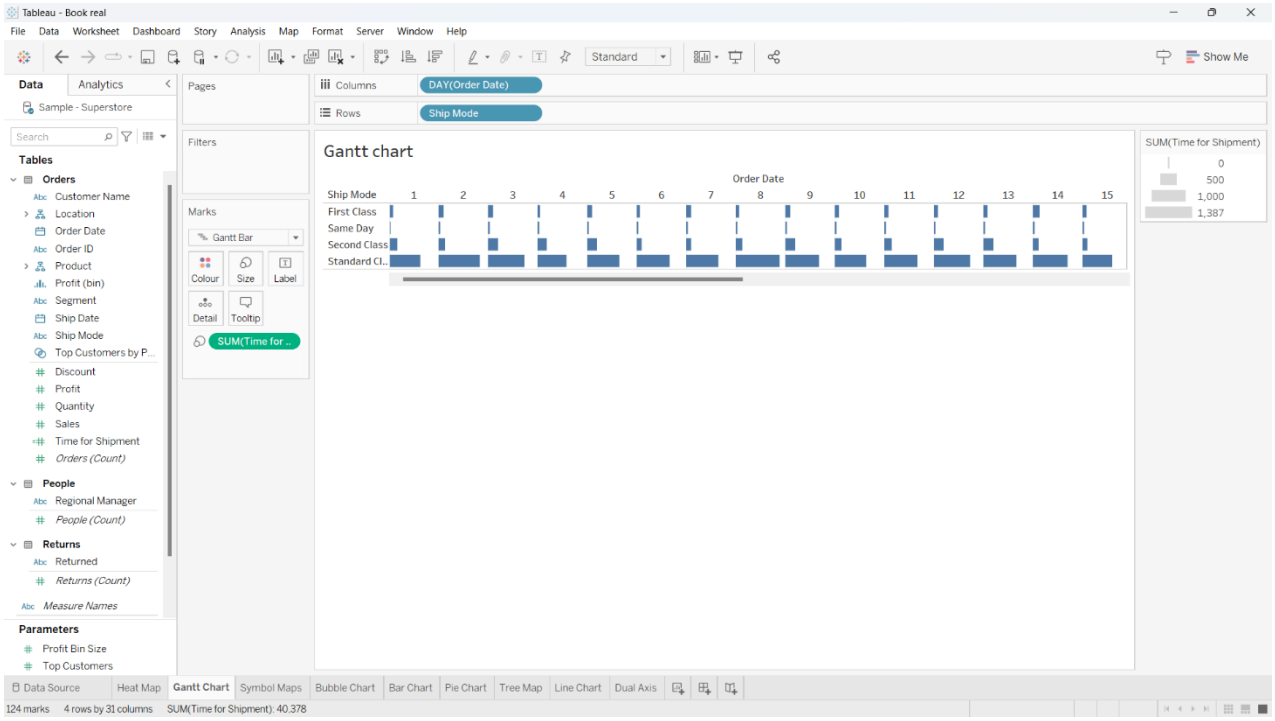
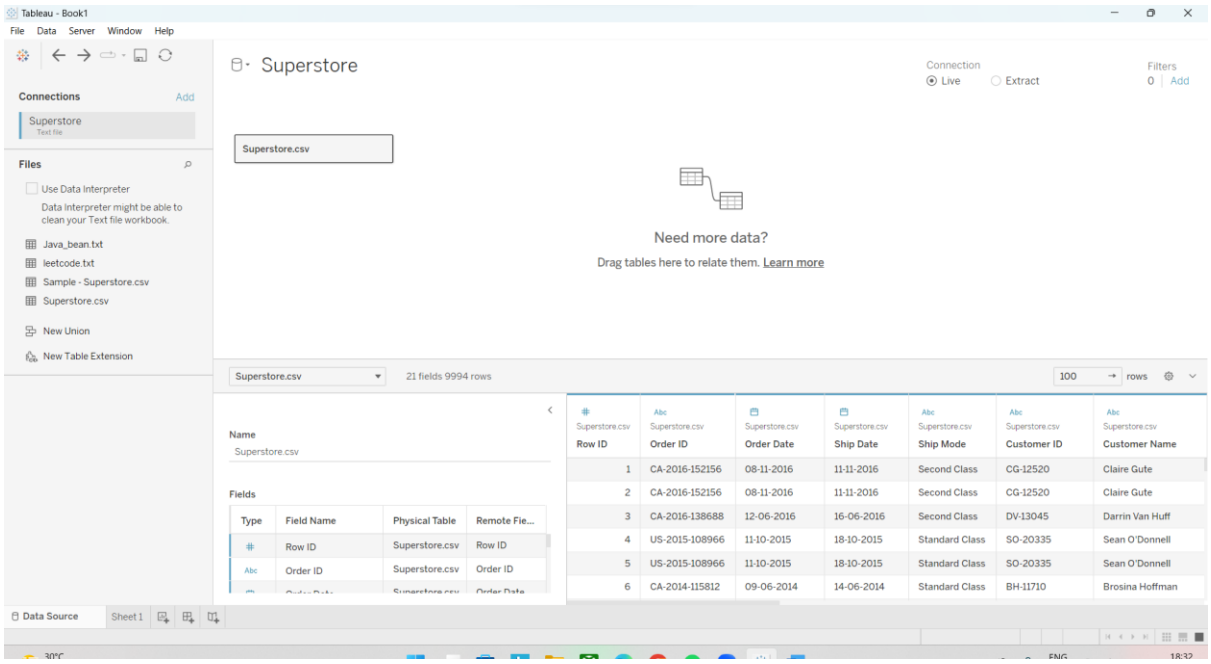


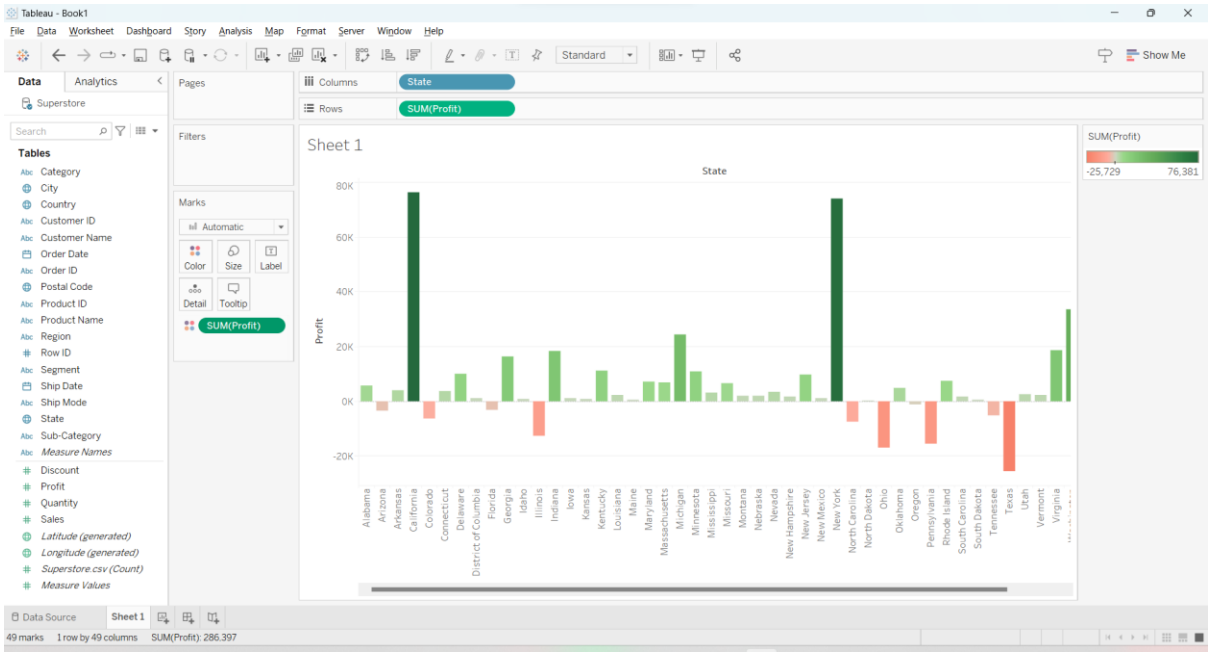
Tableau - Book real
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Tables
Orders
Customer Name
Location
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Discount
Profit
Quantity
Sales
Time for Shipment
Orders (Count)
People
Regional Manager
People (Count)
Returns
Returned
Returns (Count)
Measure Names
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Gantt Bar
Colour
Size
Label
Detail
Tooltip
SUM(Time for ..
Columns
DAY(Order Date)
Rows
Ship Mode
Gantt chart
Order Date
Ship Mode
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
First Class
Same Day
Second Class
Standard Cl..
SUM(Time for Shipment)
0
500
1,000
1,387
Data Source
Heat Map
Gantt Chart
Symbol Maps
Bubble Chart
Bar Chart
Pie Chart
Tree Map
Line Chart
Dual Axis
124 marks
4 rows by 31 columns
SUM(Time for Shipment): 40,378

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

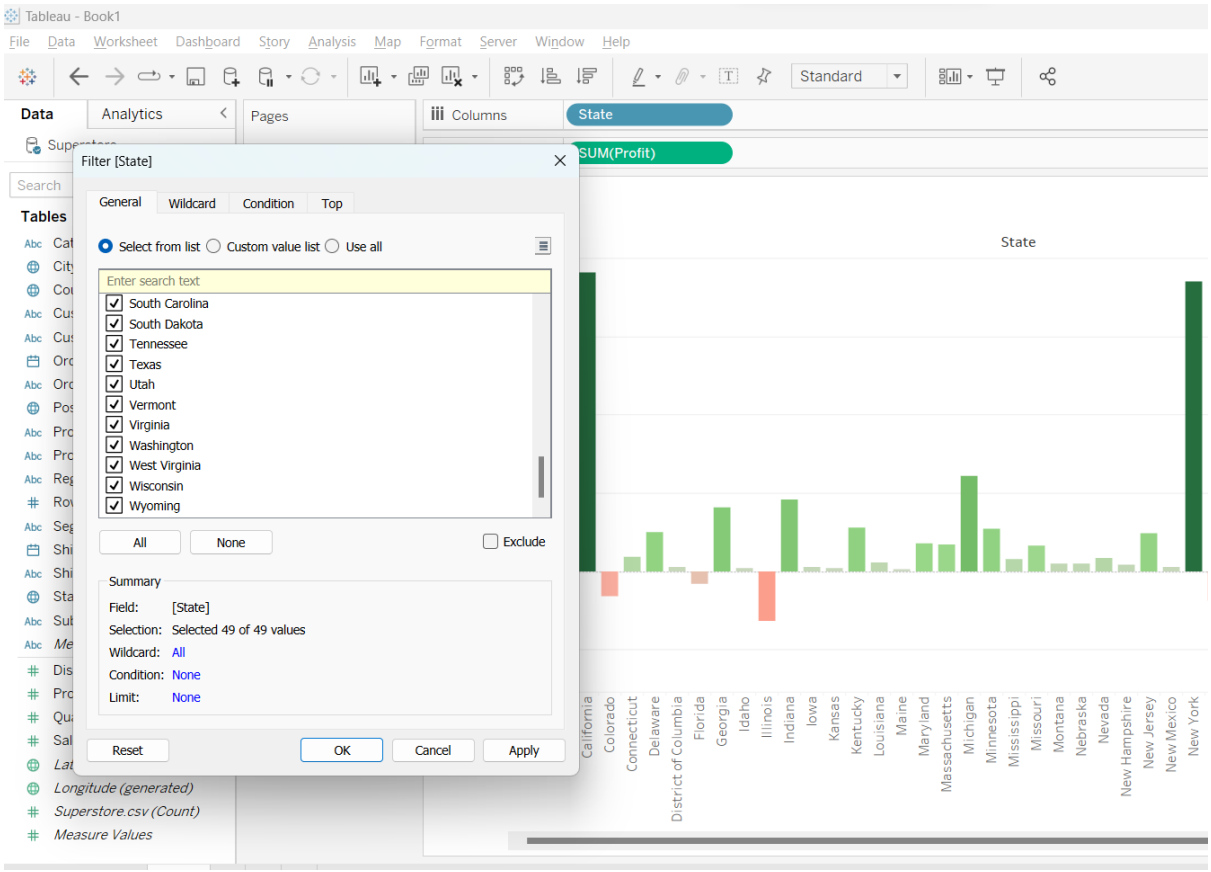
DIMENSION FILTER:



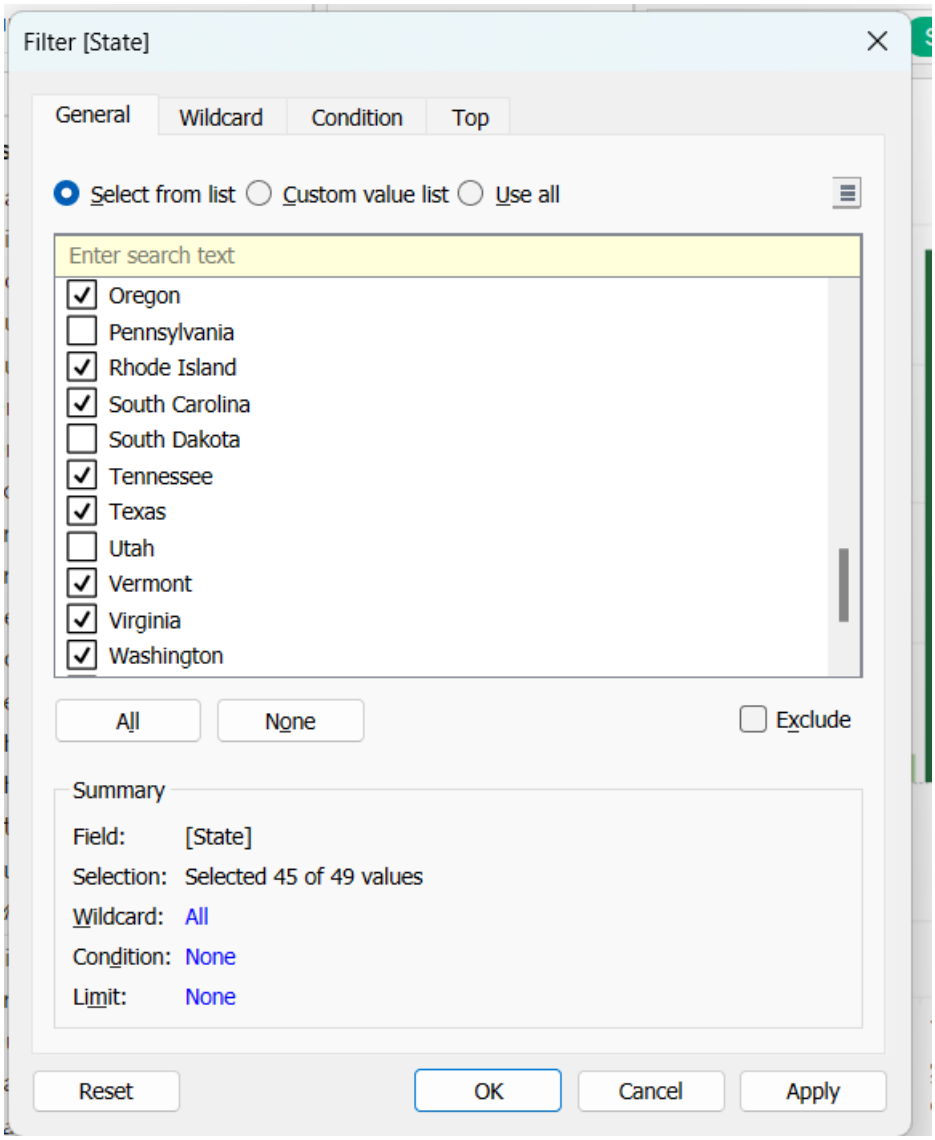
We Imported Superstore Data Set in Tableau



Imported State as Columns and SUM(Profit) as rows and changed colours for SUM.

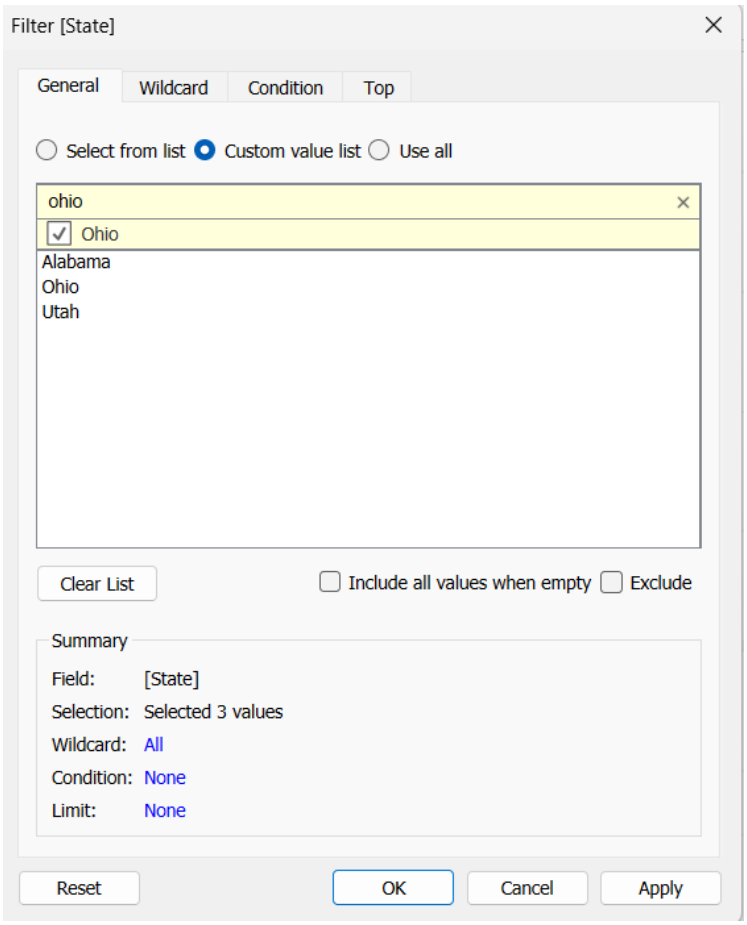


We will select the States as Dimension Filtering our Data

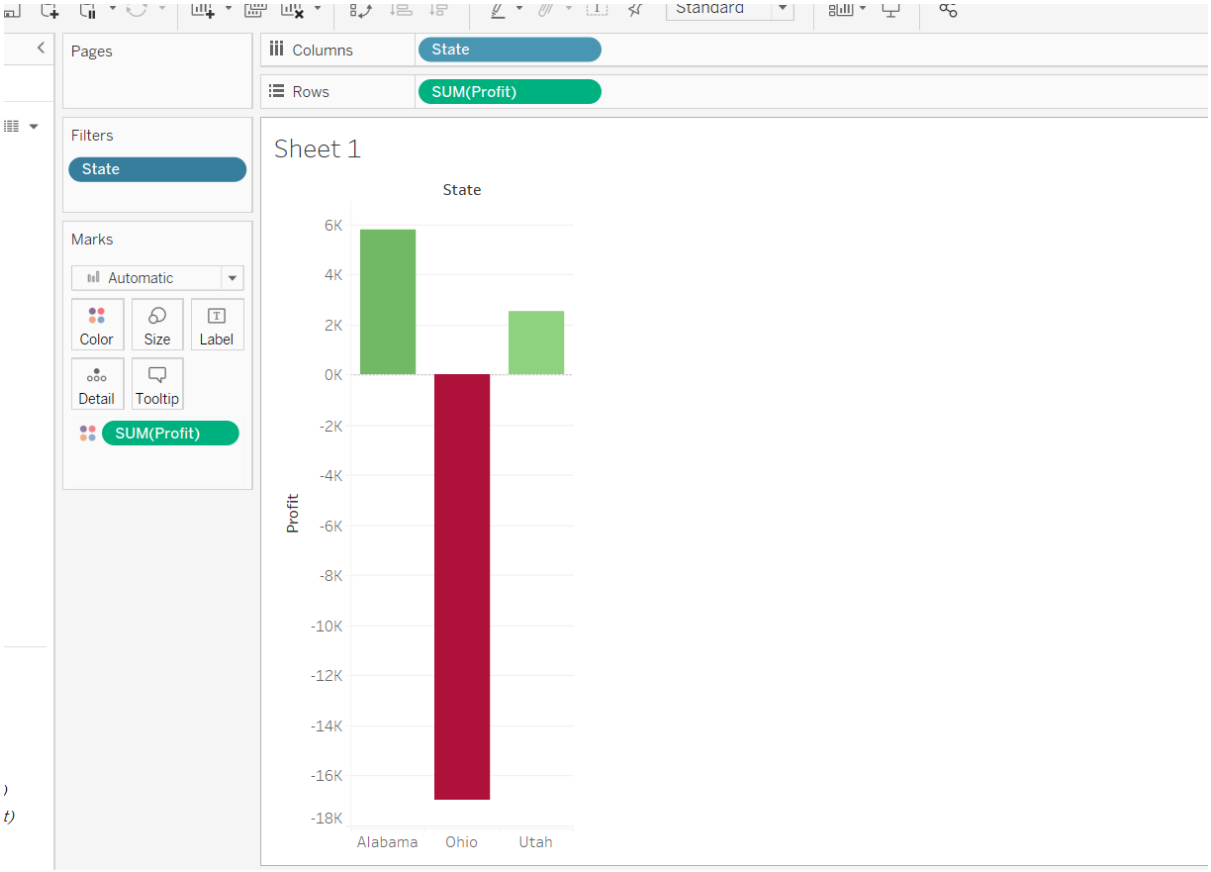


Remove the following states

See the Selected States are removed

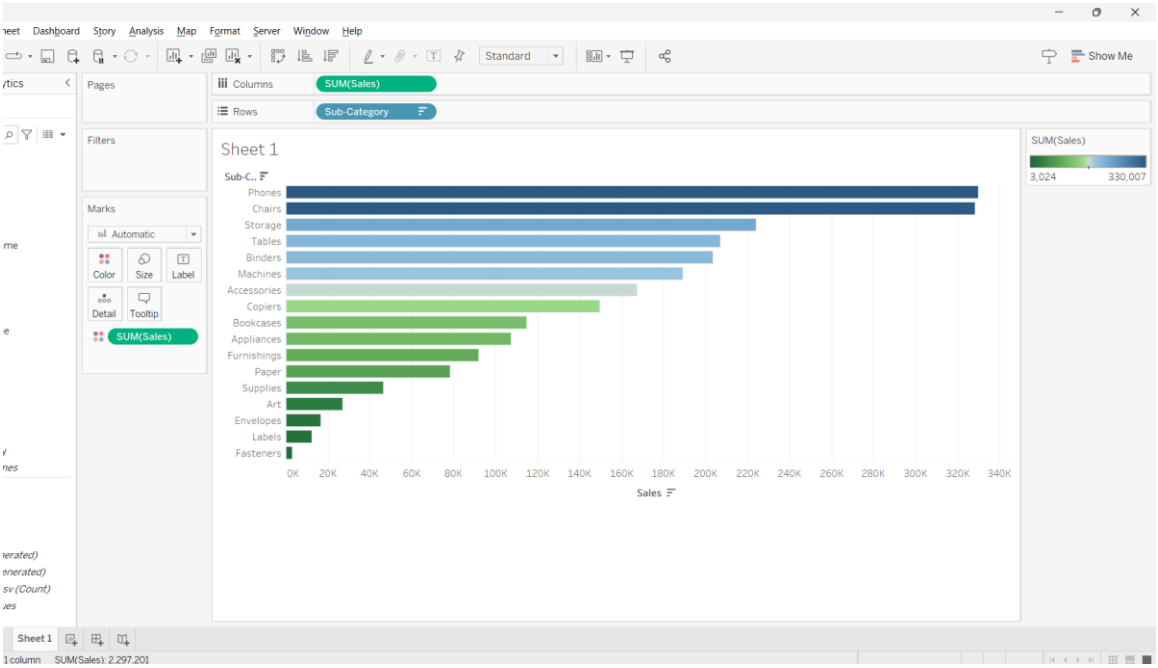


We add custom values.

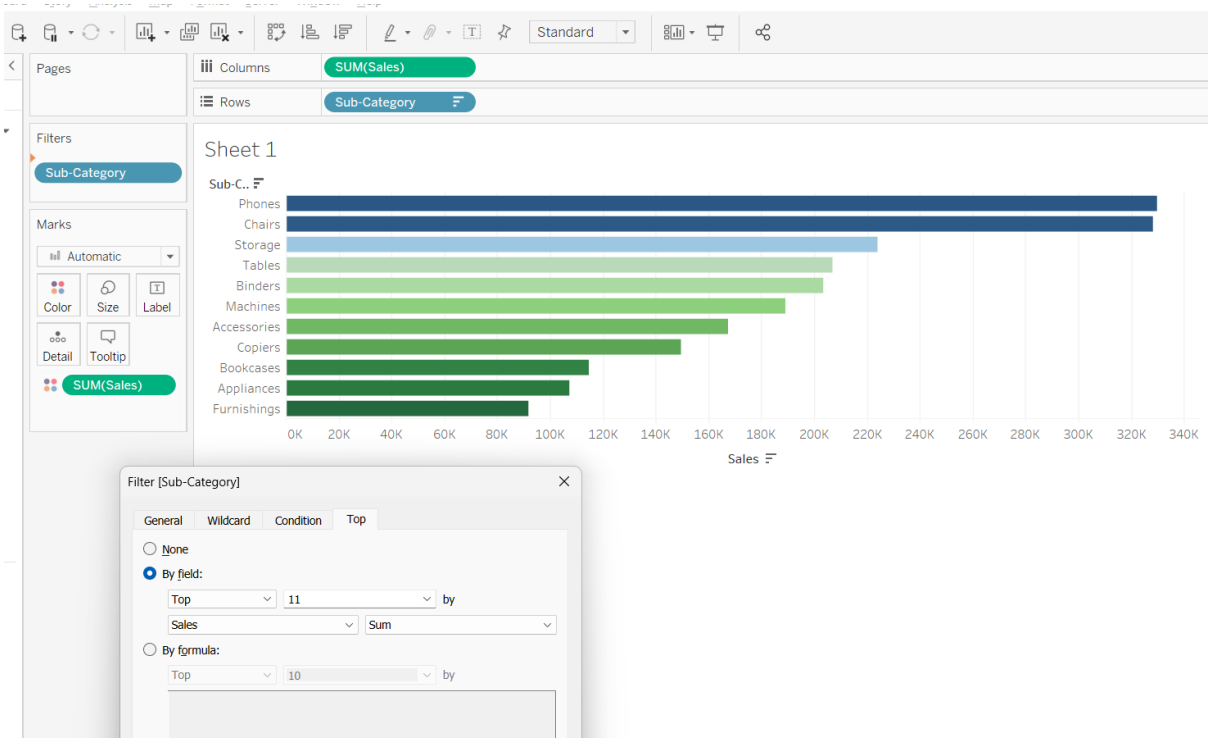


This is the data we received.

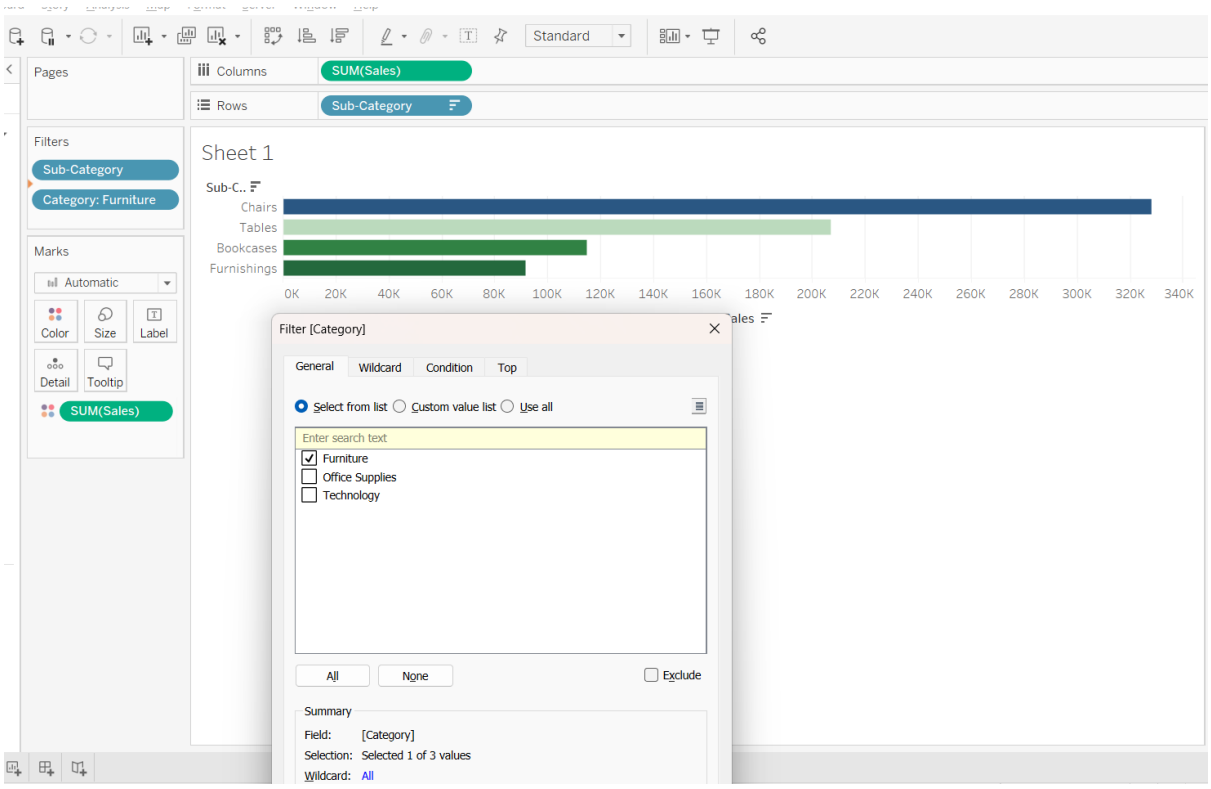
CONTEXT FILTERS:



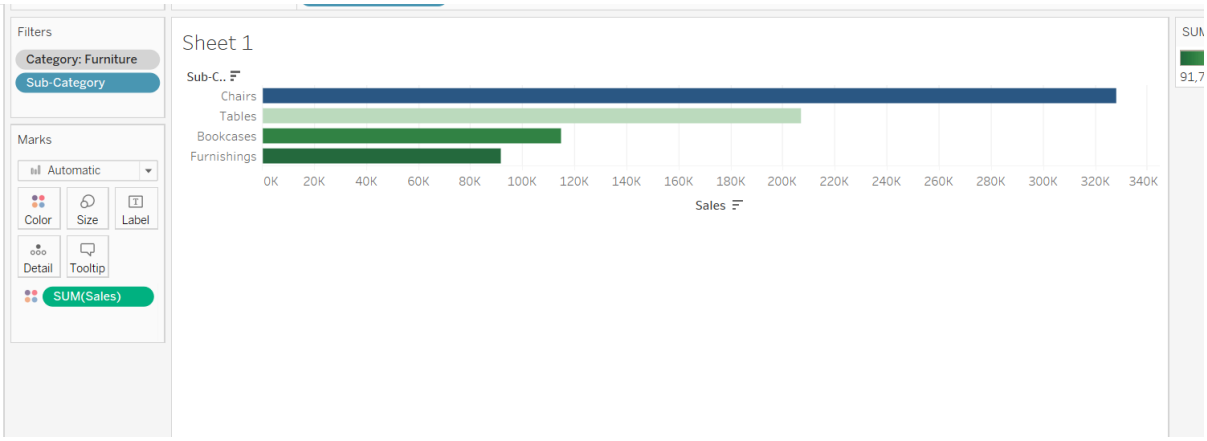
We first selected 2 categories and arranged it



Applied top-11 filter on Sub-Category

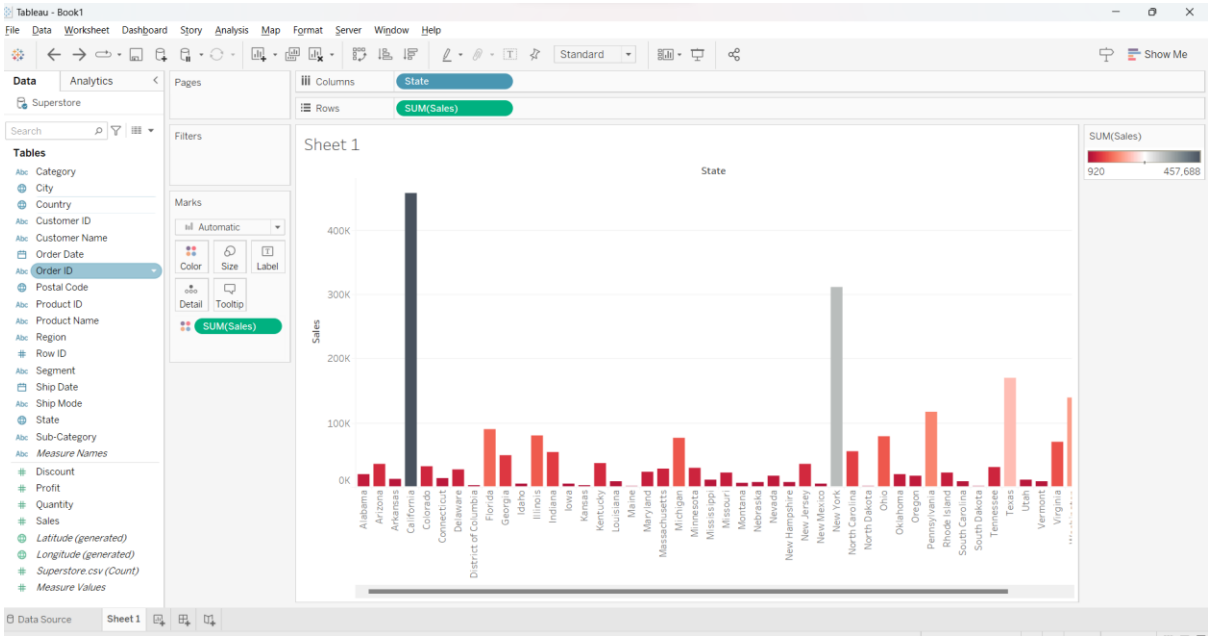


Top 4 Furniture out of 11 Highest Profit Category is shown

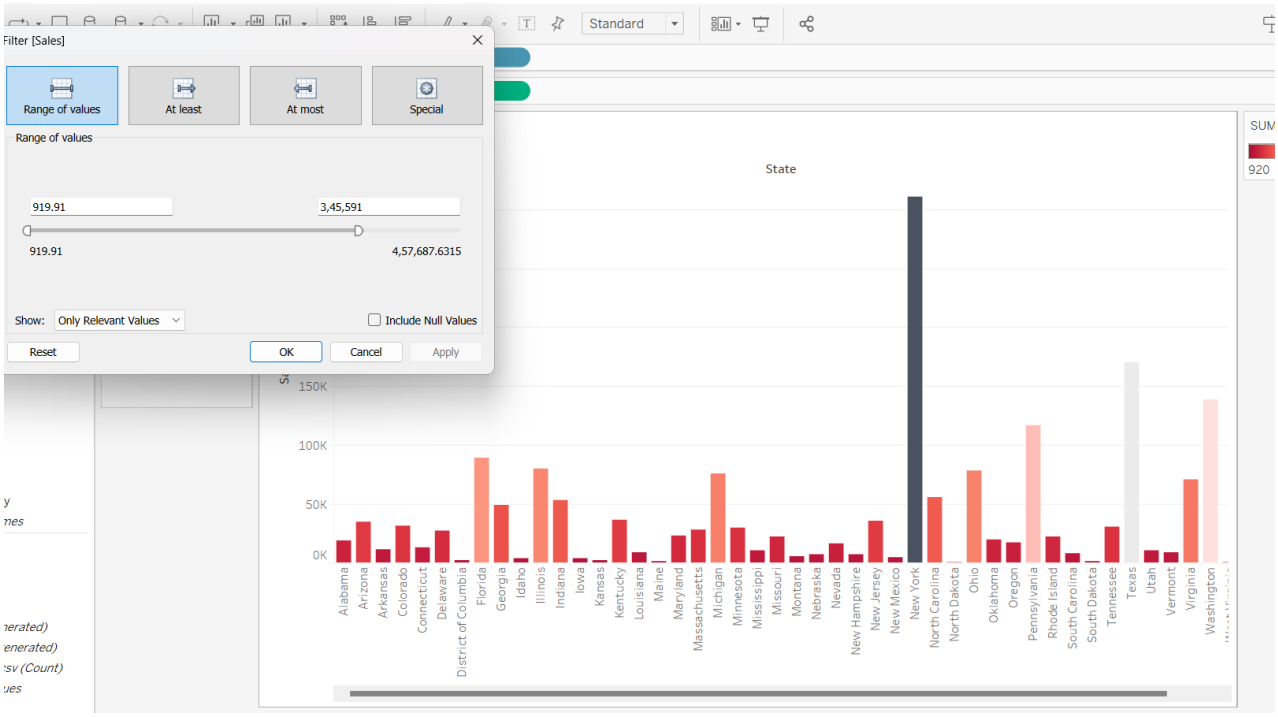


Category is made CONTEXT FIELD.

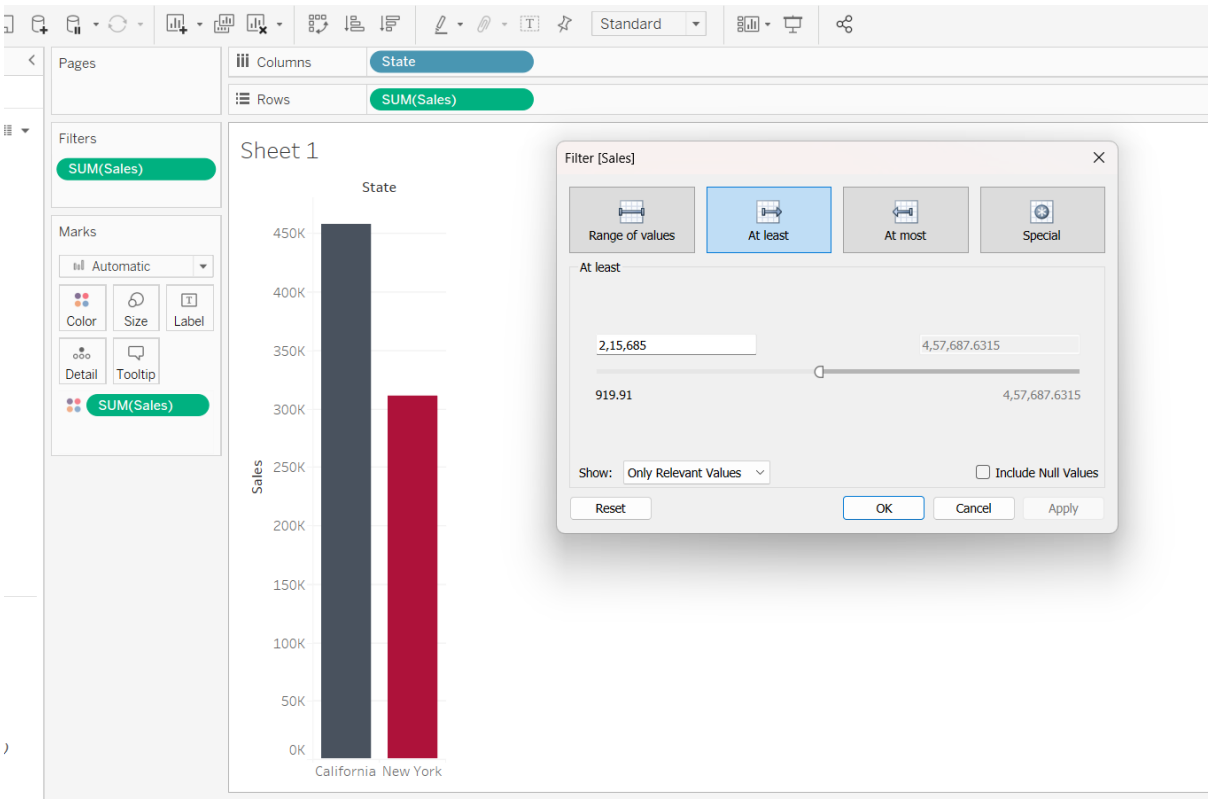
MEASURE FILTER:



We will use this Visualization



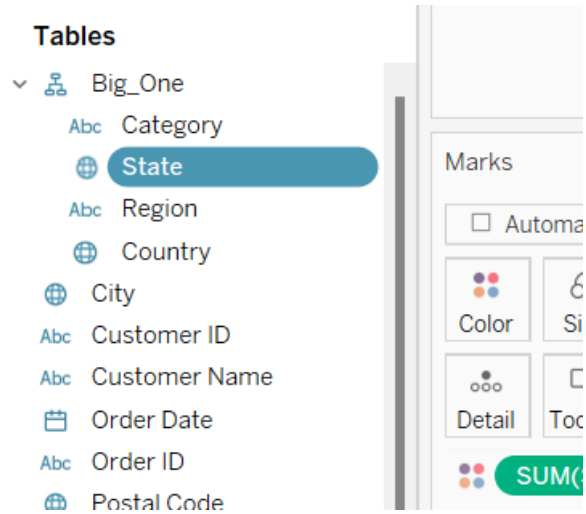
Range values



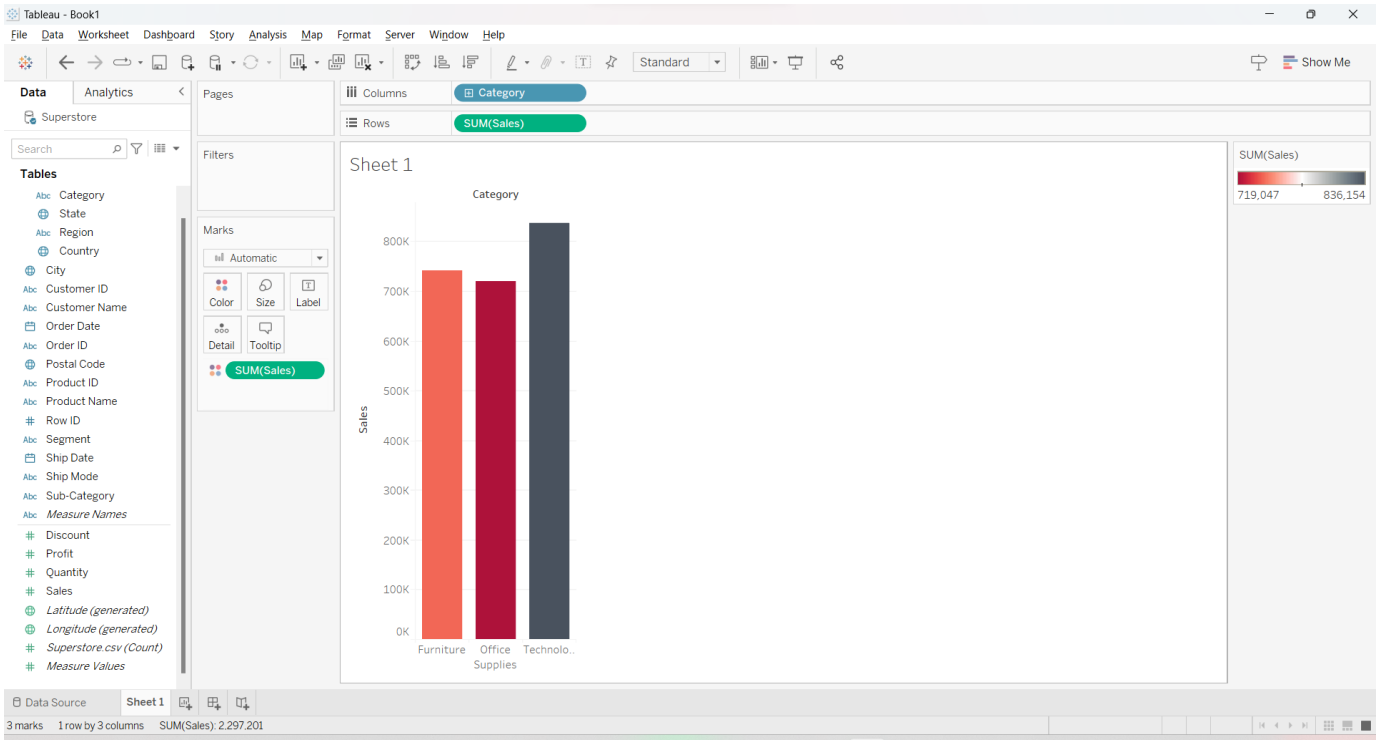
At Least field

Q) Perform the following data manipulations on your dataset ● create a Hierarchy ● create a set ● create a group

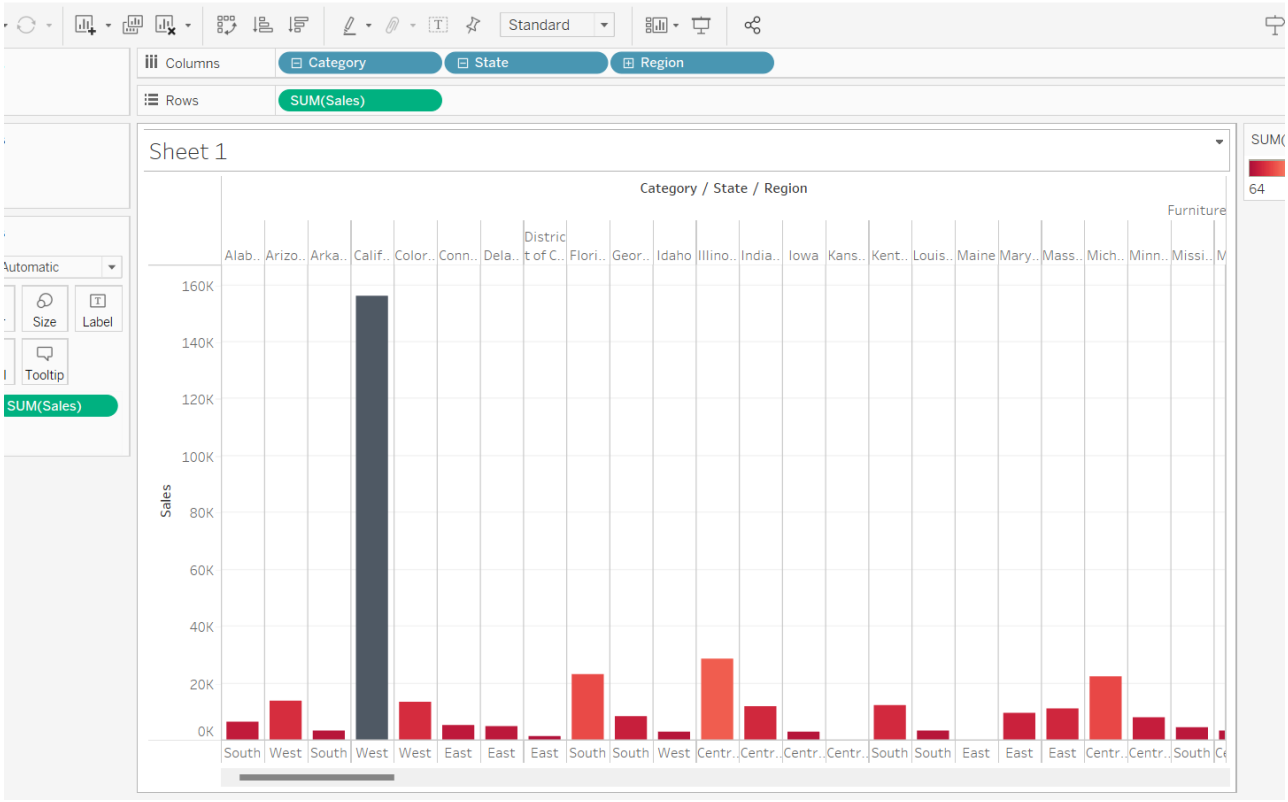
CREATING A HIERARCHY:



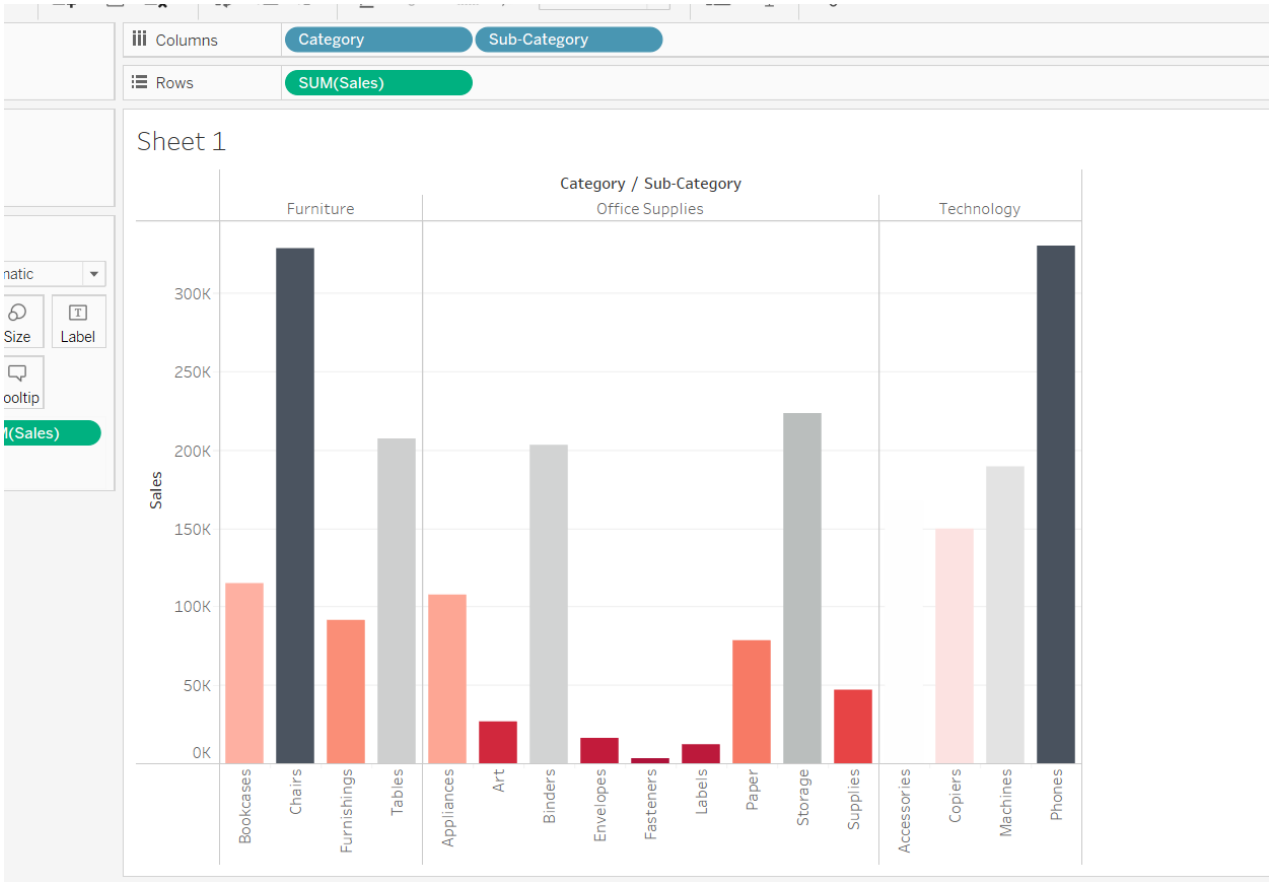
We collected various category together as "The Big_One".



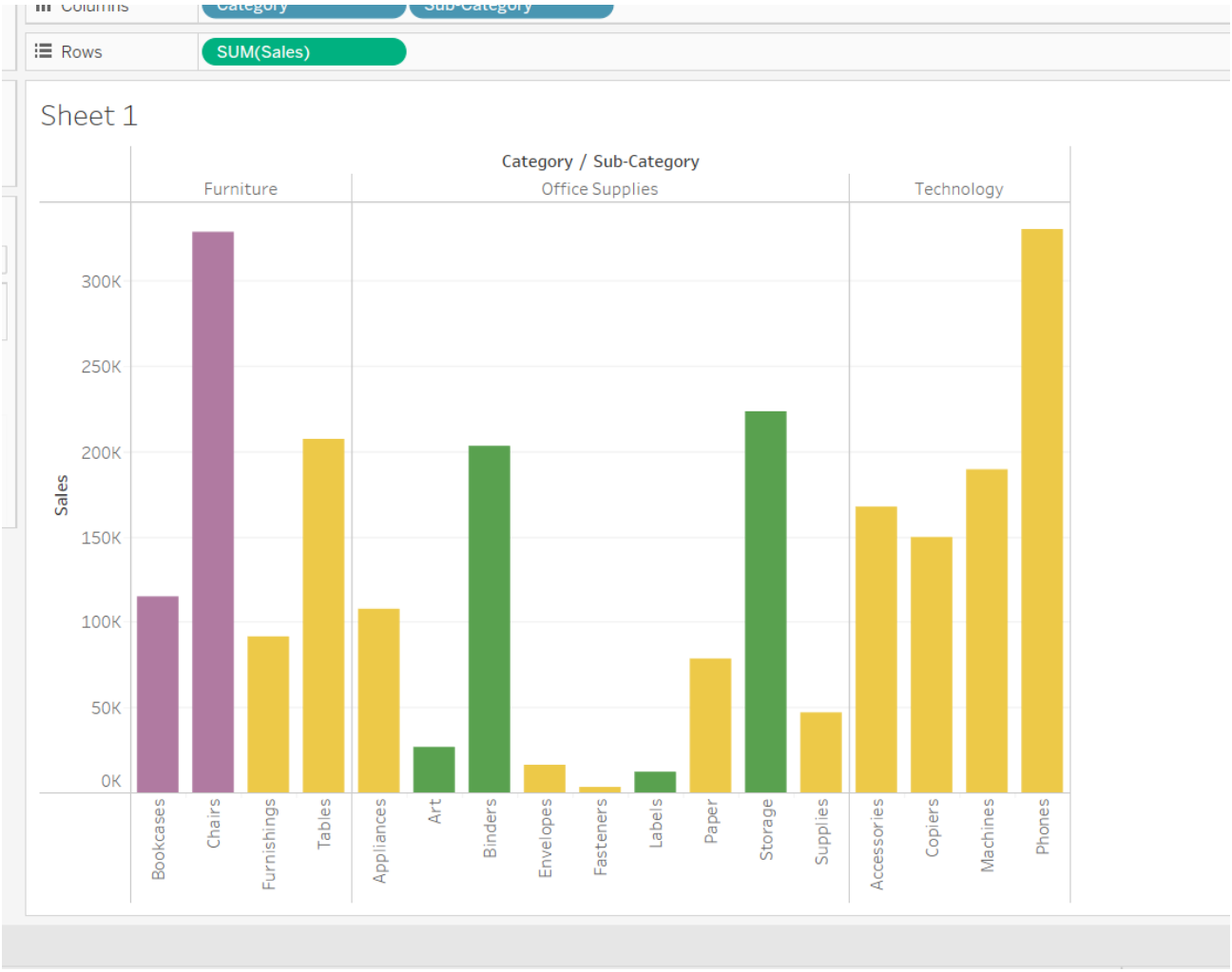
Click + in the columns "Big_One"



CREATING A GROUP:



Normal Data



Grouped Data