DATA ANALYTICS

SMART BRIDGE EXTERNSHIP

ASSIGNMENT-2

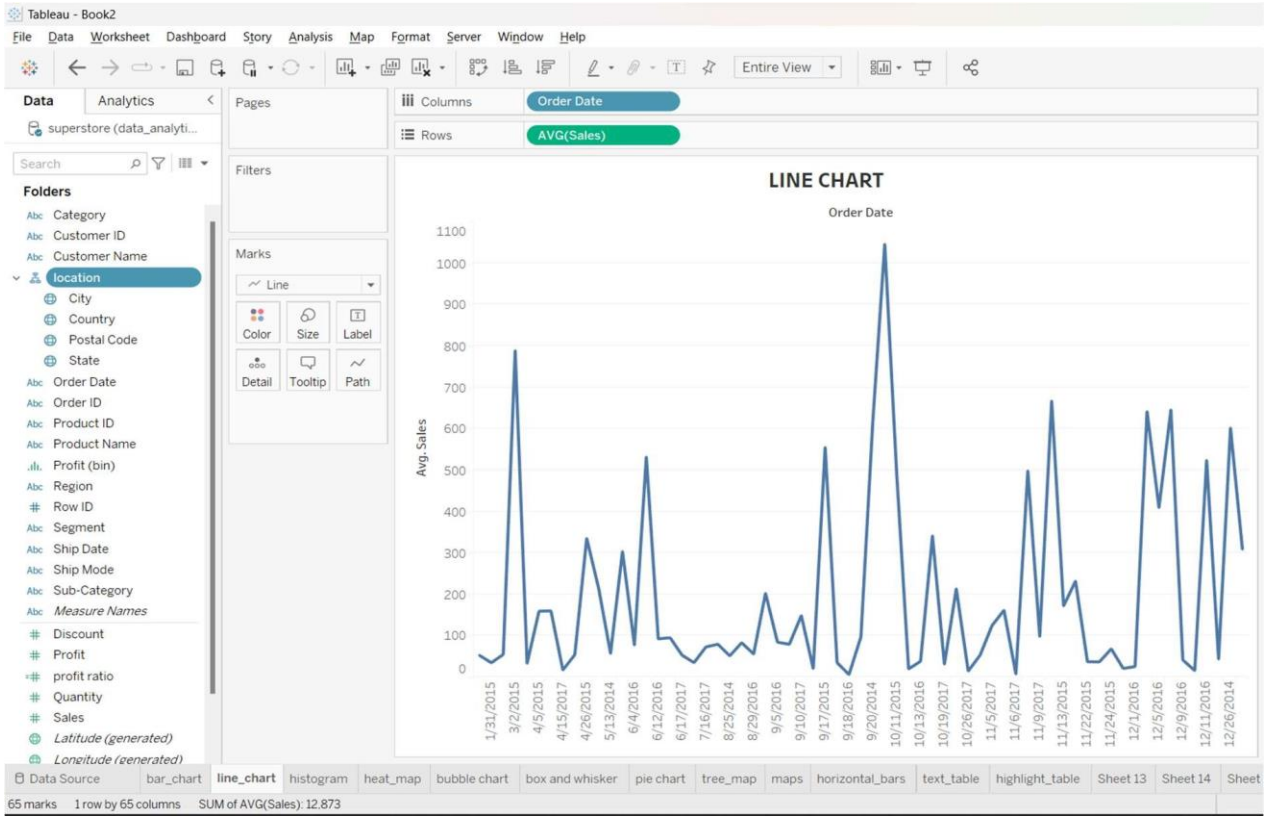
NAME: CHANDA MANIKANTA

REG.NO: 20BCE0715

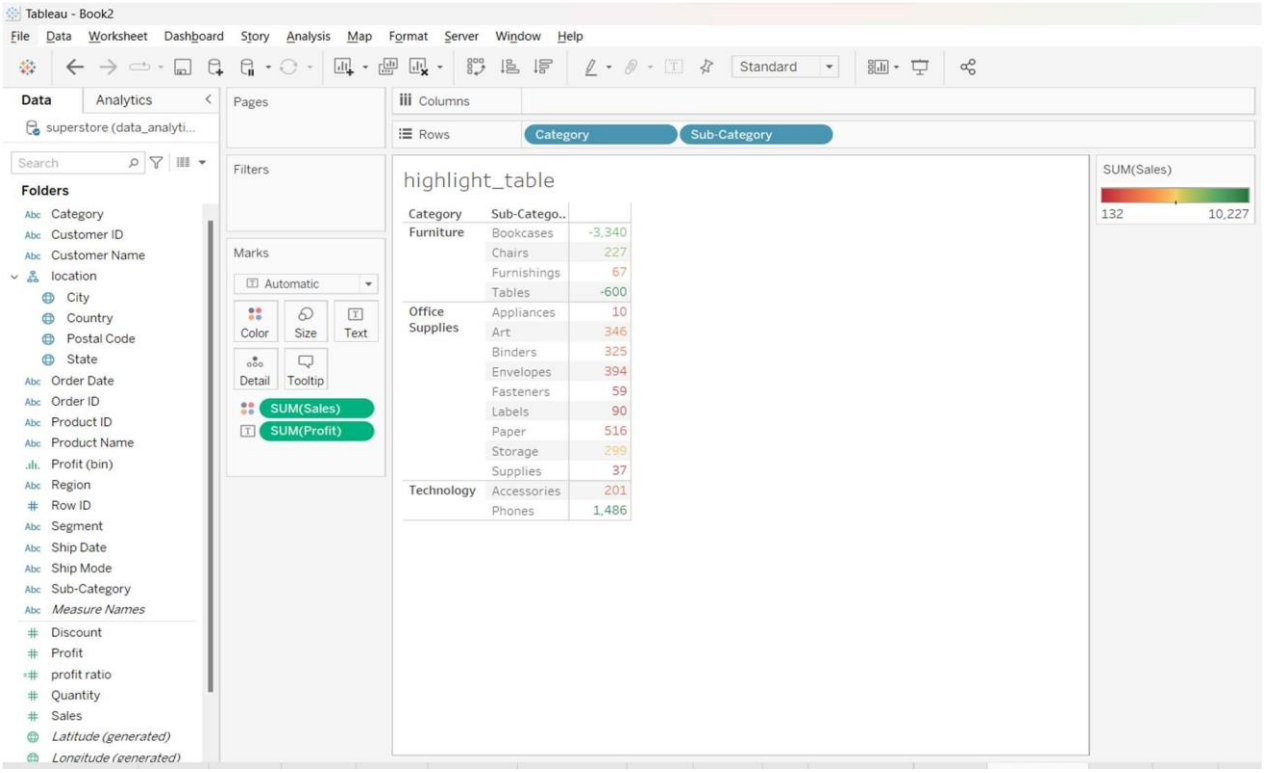
DATE: 28-05-2023

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

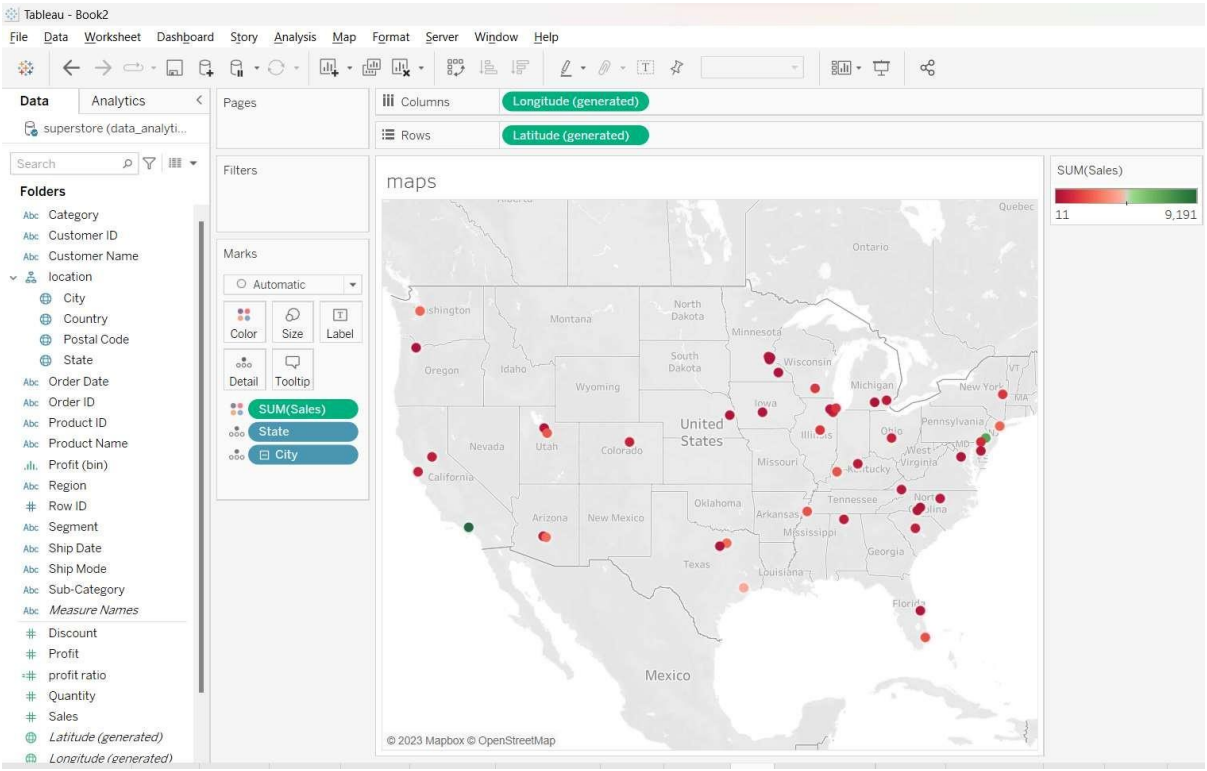
a. Line Chart



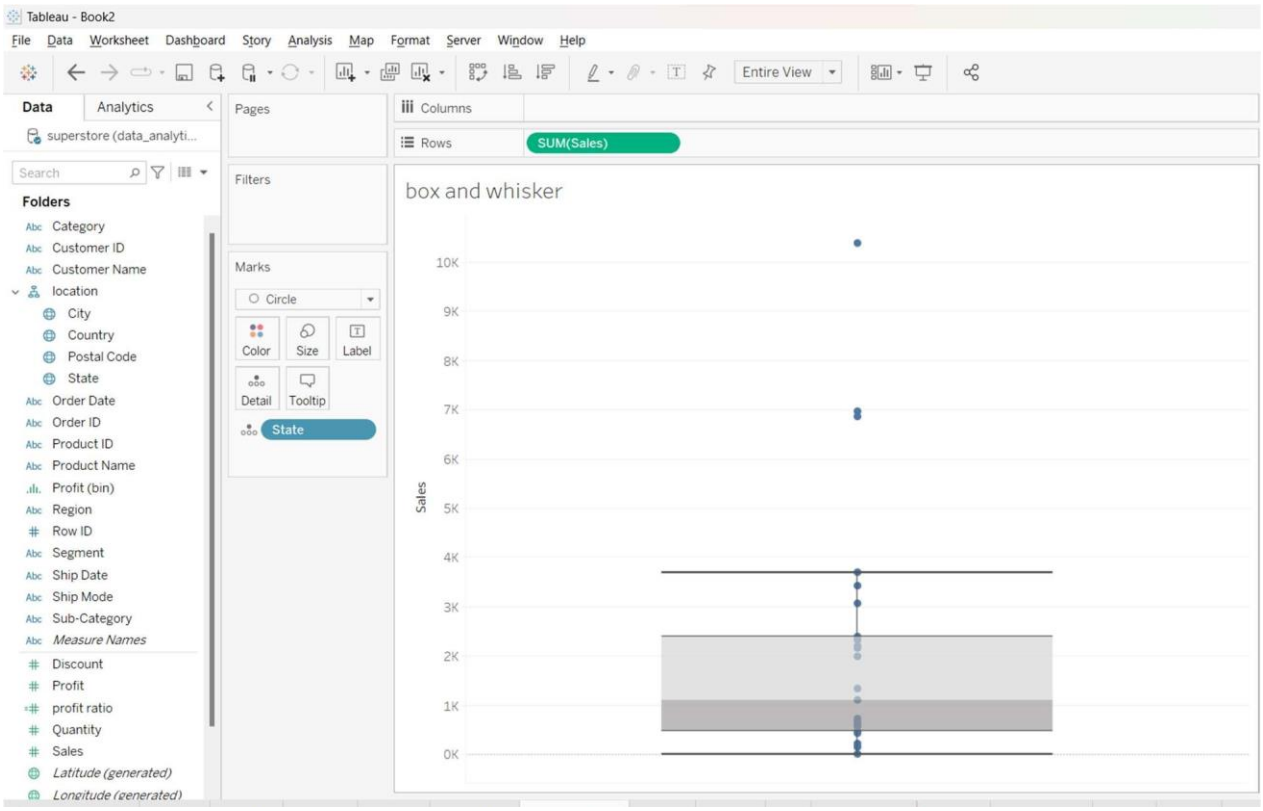
b. Highlight Table



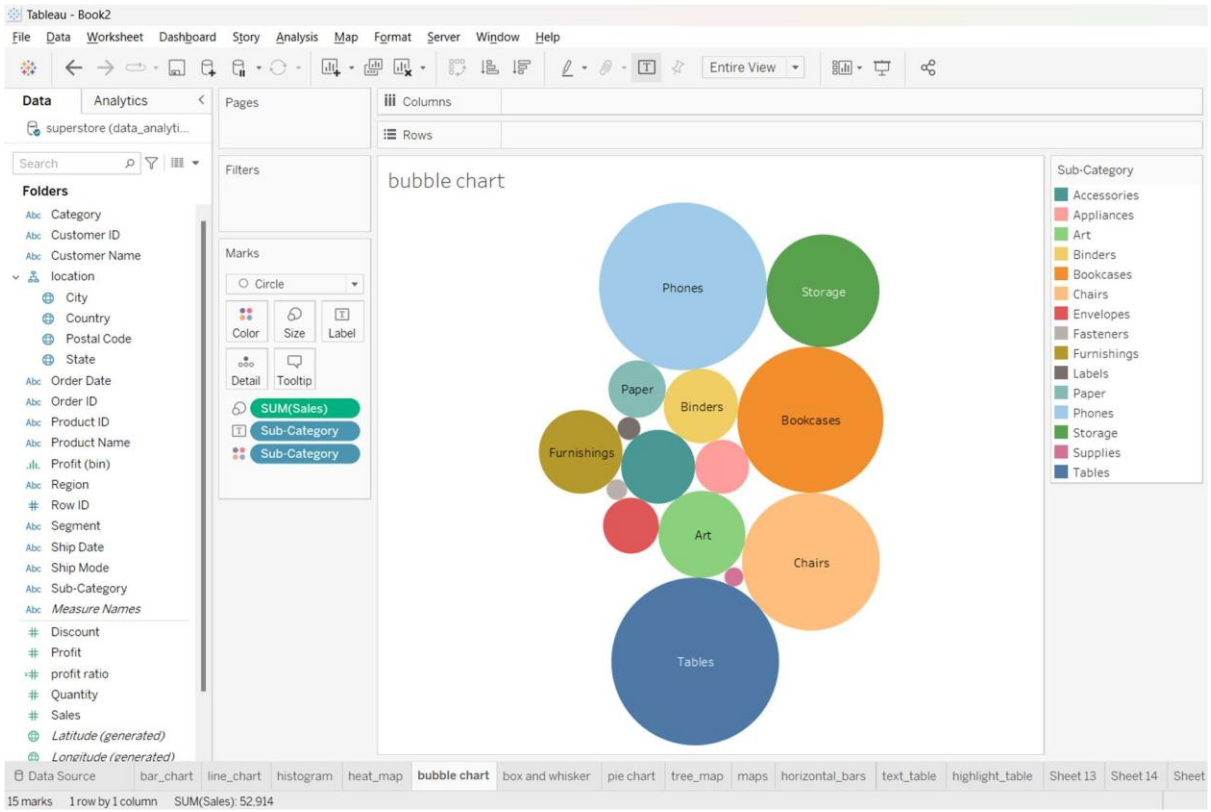
c. Map format



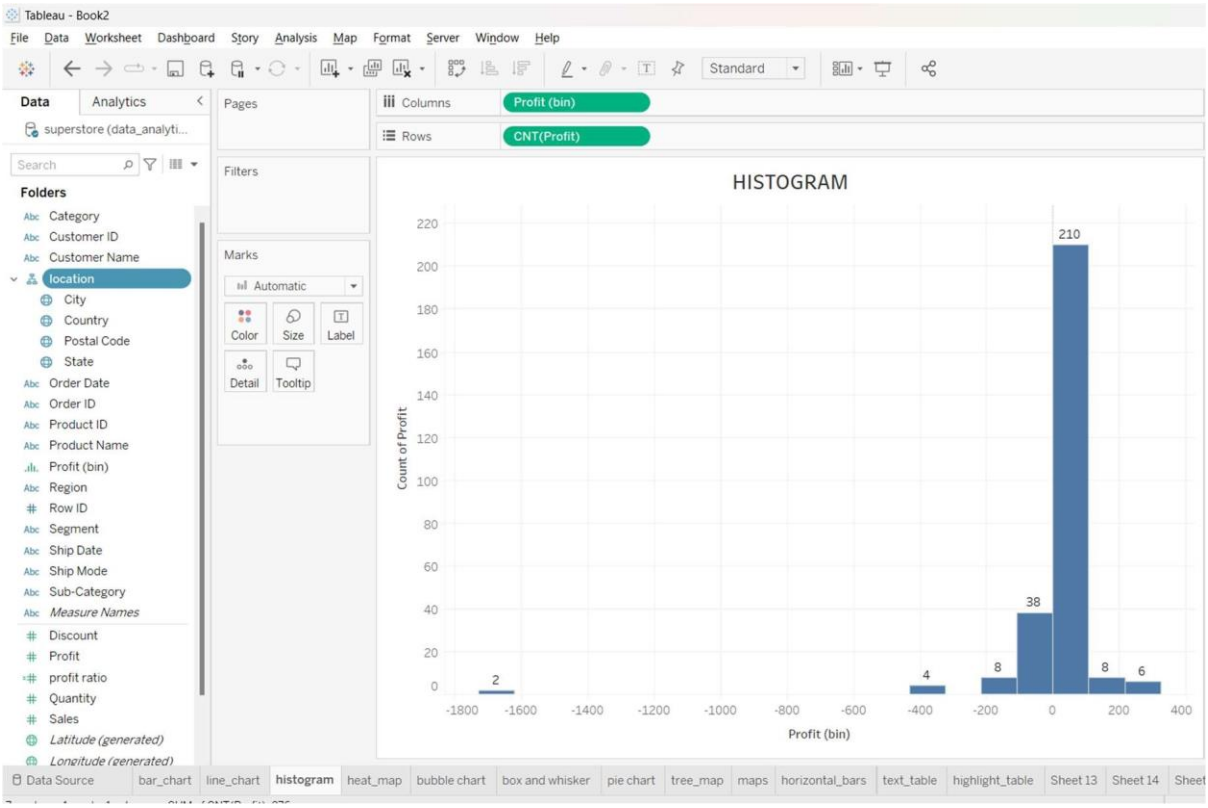
d. Box and Whisker



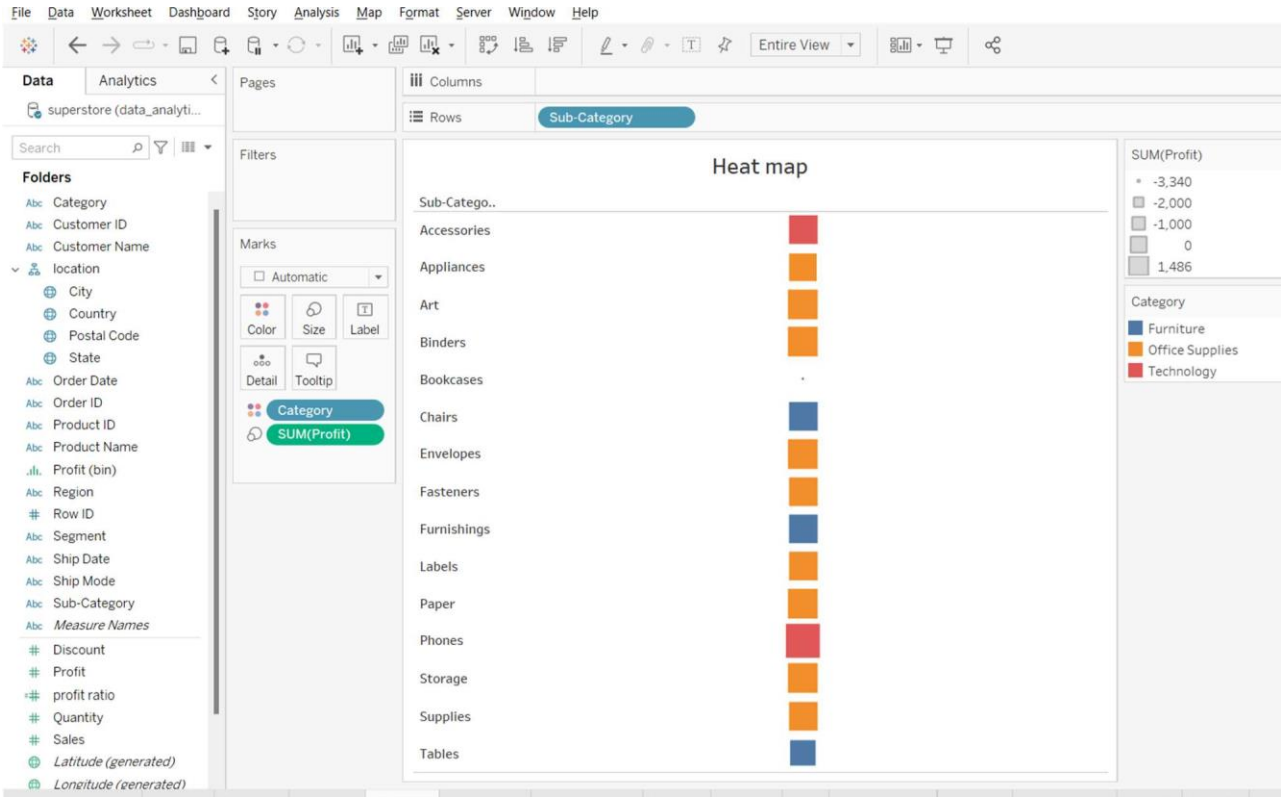
e. Bubble chart



f. Histogram



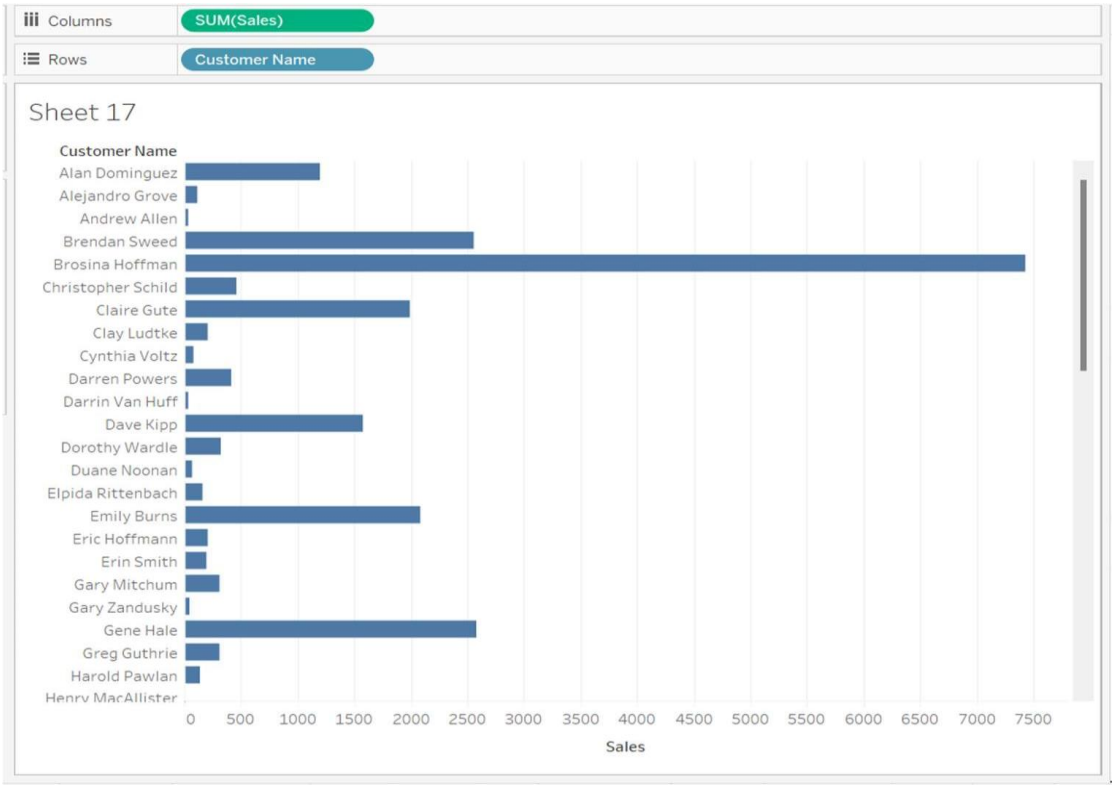
g. Heat Map

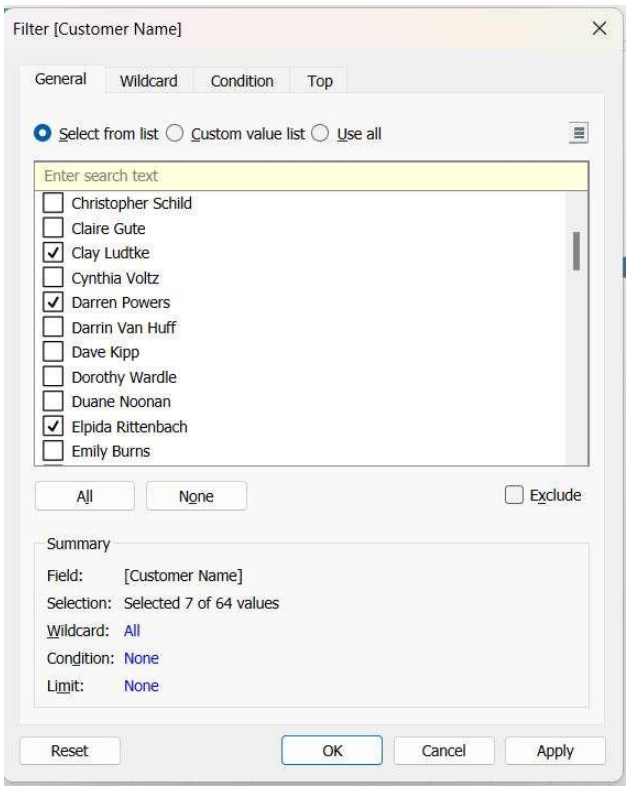


2) Apply dimension filter, context, and measure filter on any of the three Visualizations.

Dimensional Filter:

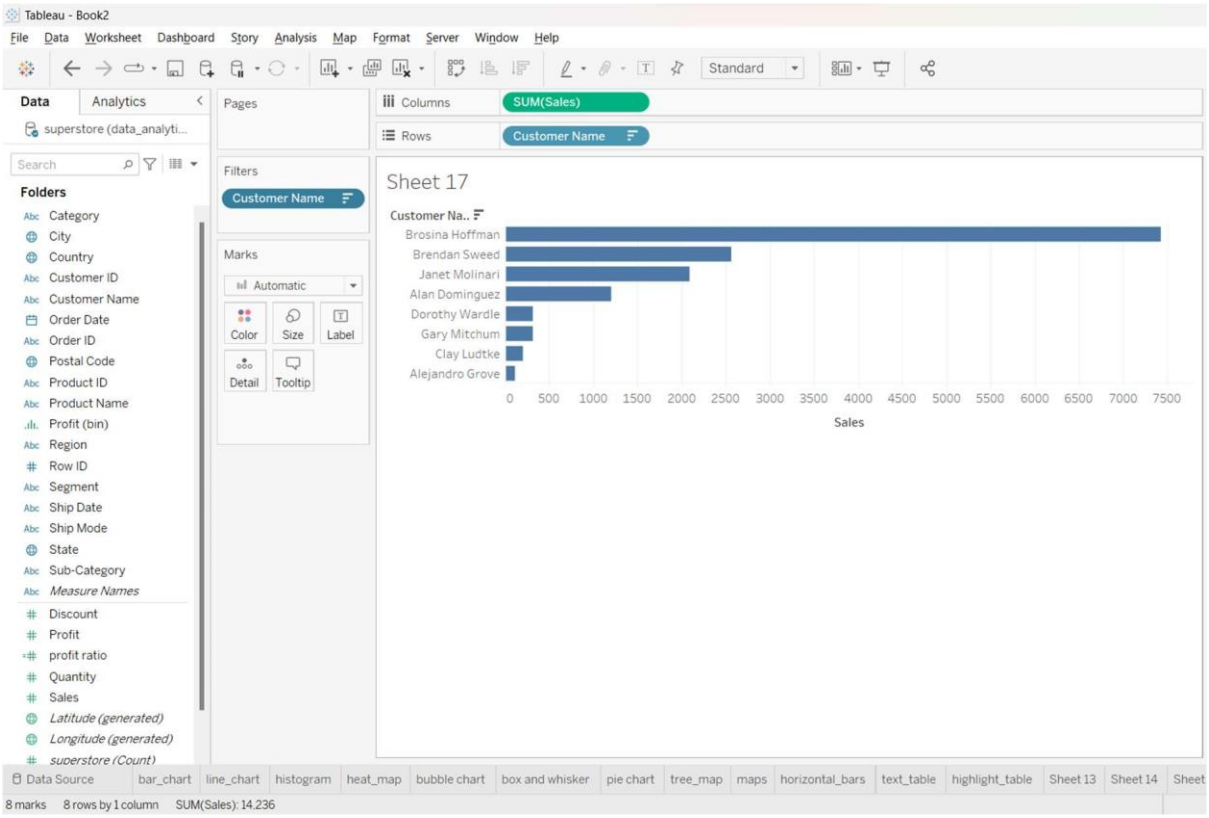
Before Filter:



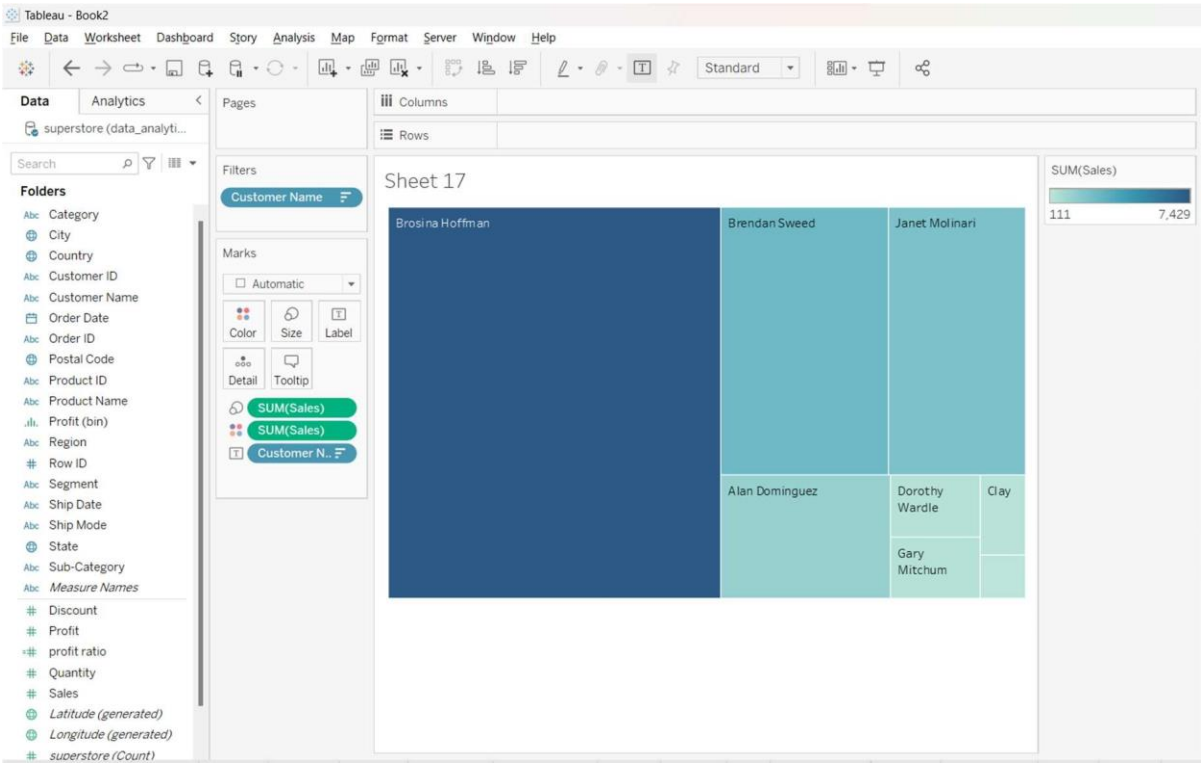


After Filter:

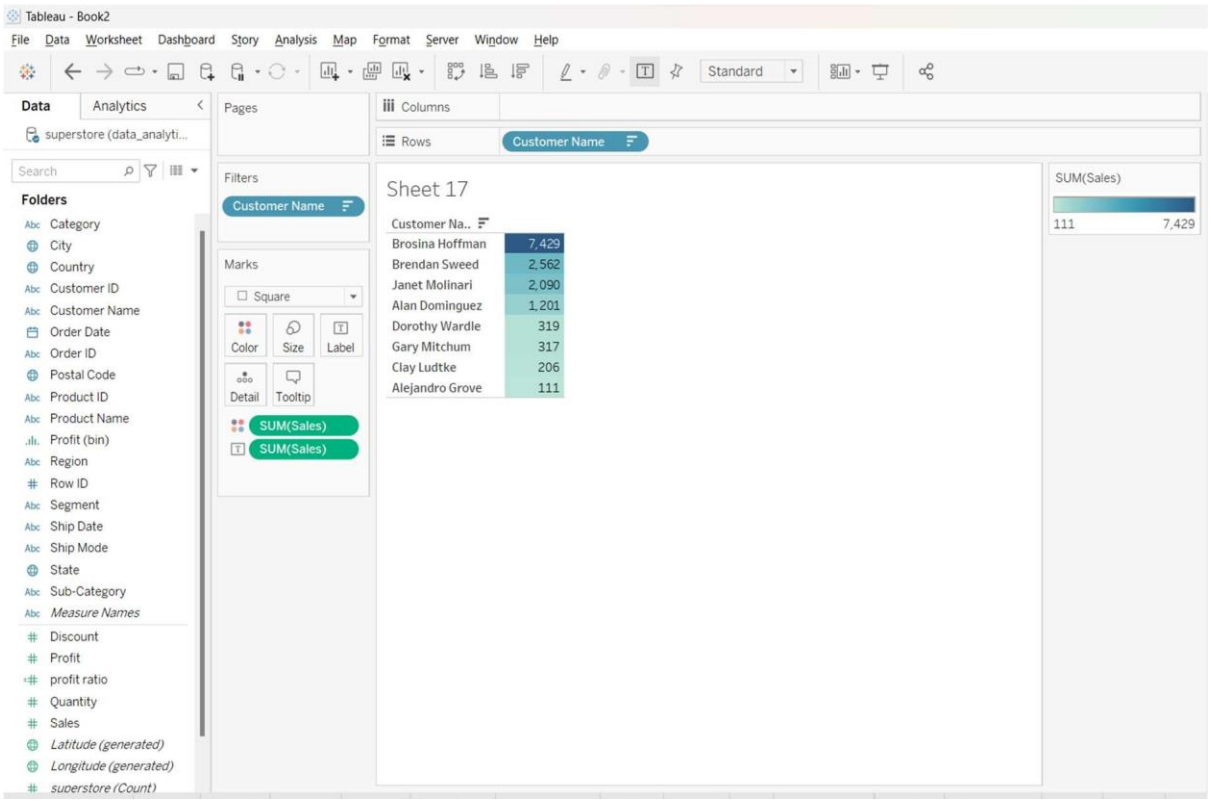
Horizontal Bars:



Tree Map:

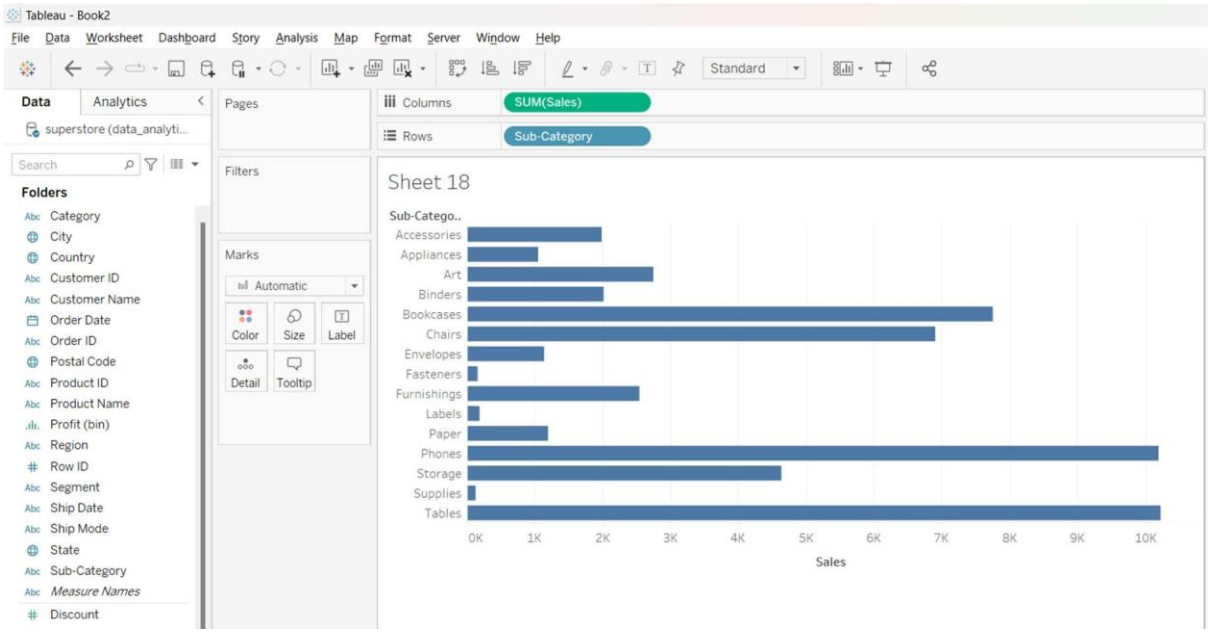


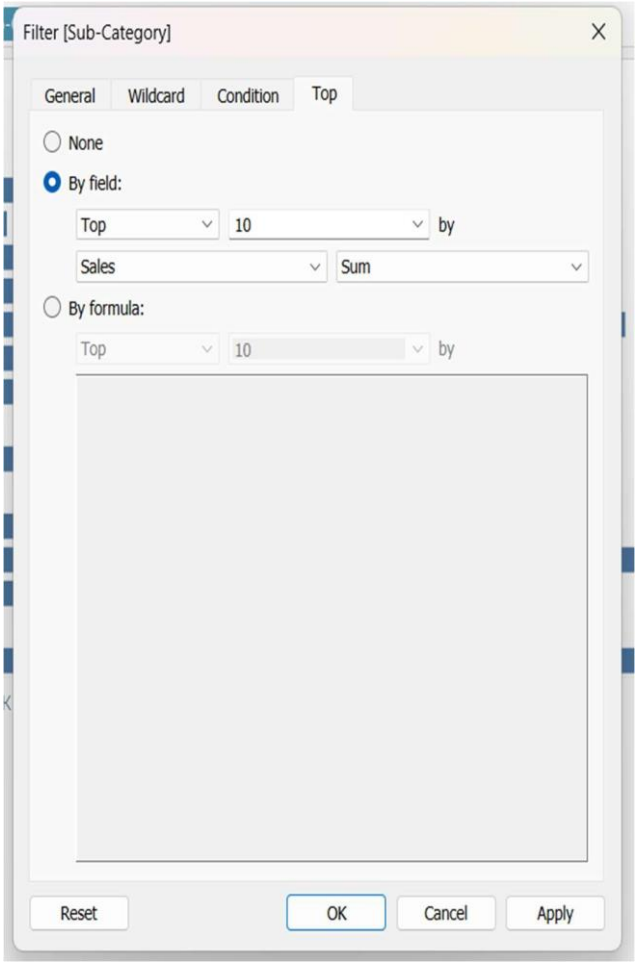
Highlight Table:

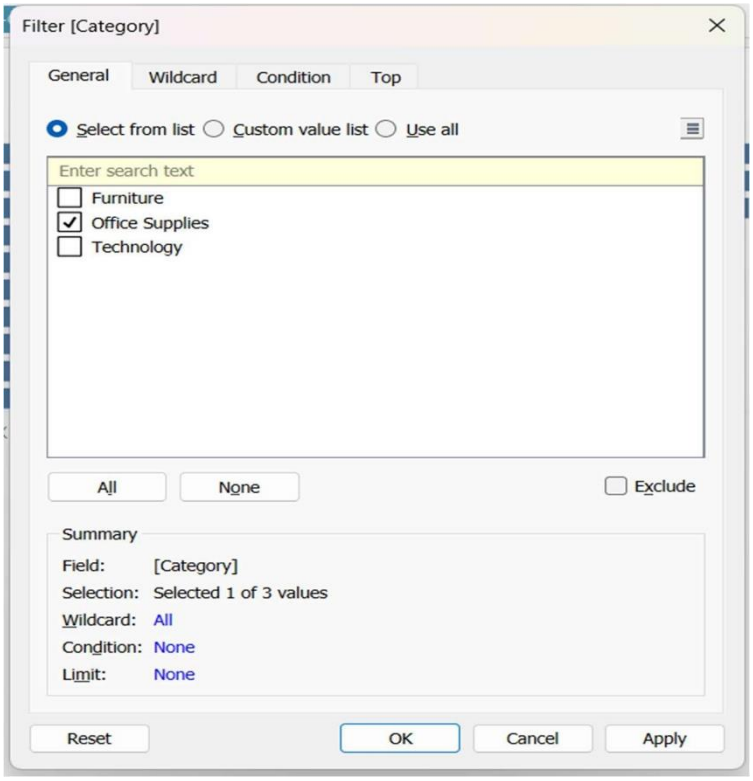


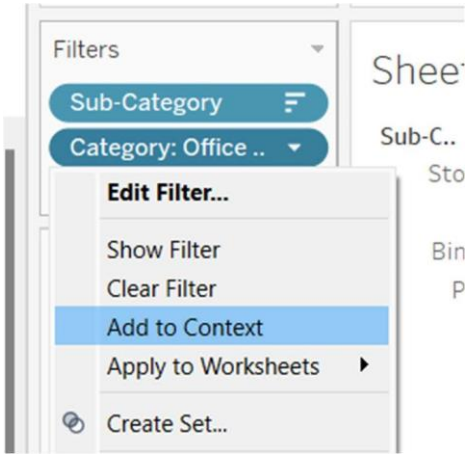
Context Filtering:

Before context Filter:

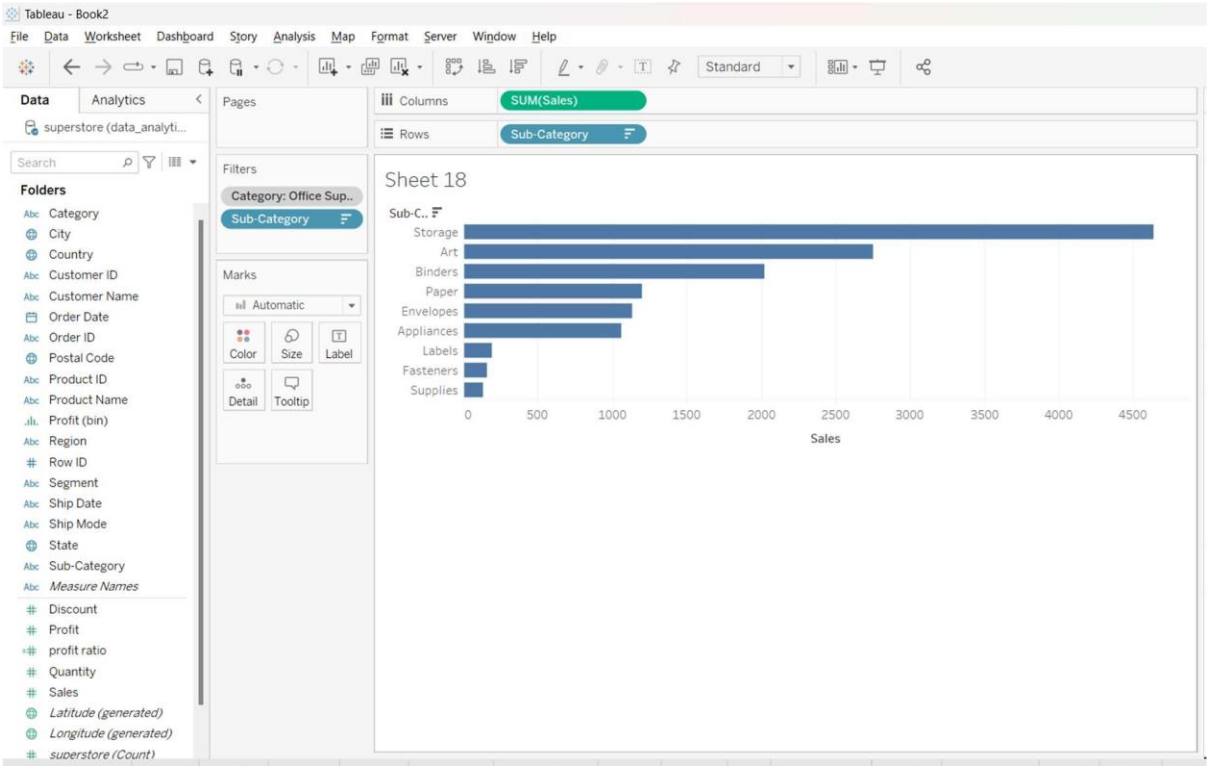




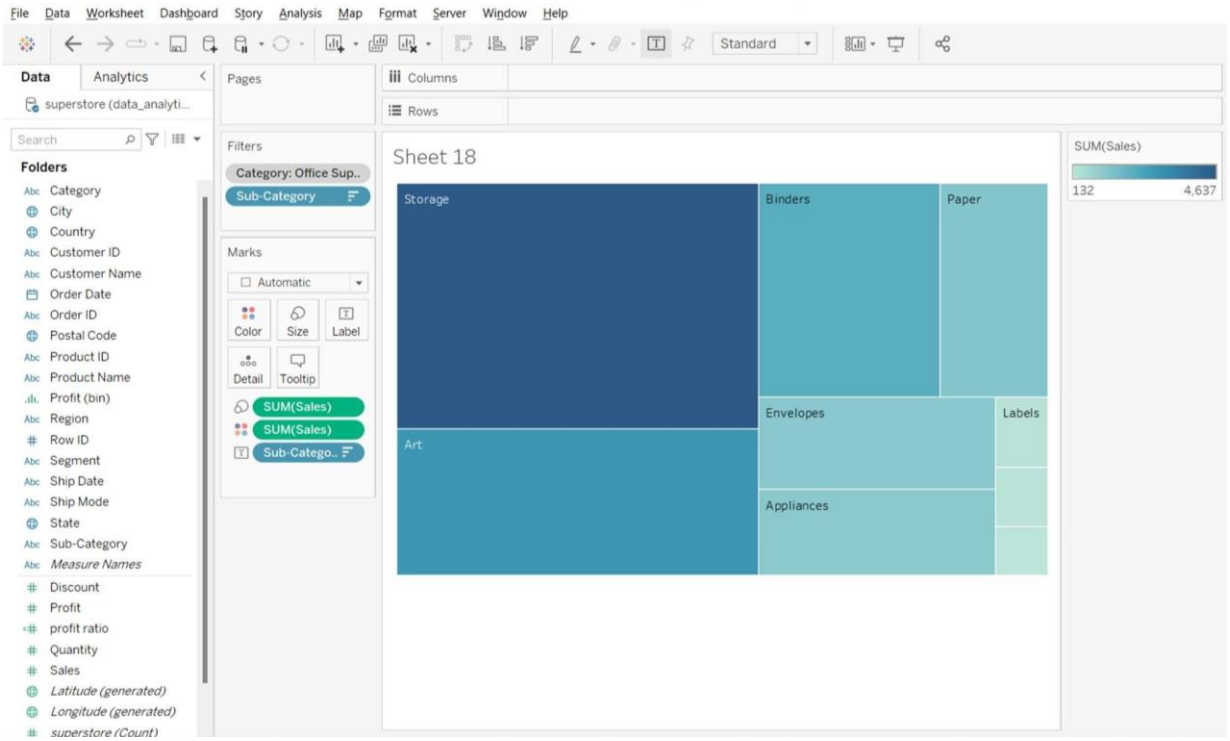

Filter [Category]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Furniture
Office Supplies
Technology
All
None
Exclude
Summary
Field: [Category]
Selection: Selected 1 of 3 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply


Filters
Sub-Category
Category: Office ..
Edit Filter...
Show Filter
Clear Filter
Add to Context
Apply to Worksheets
Create Set...

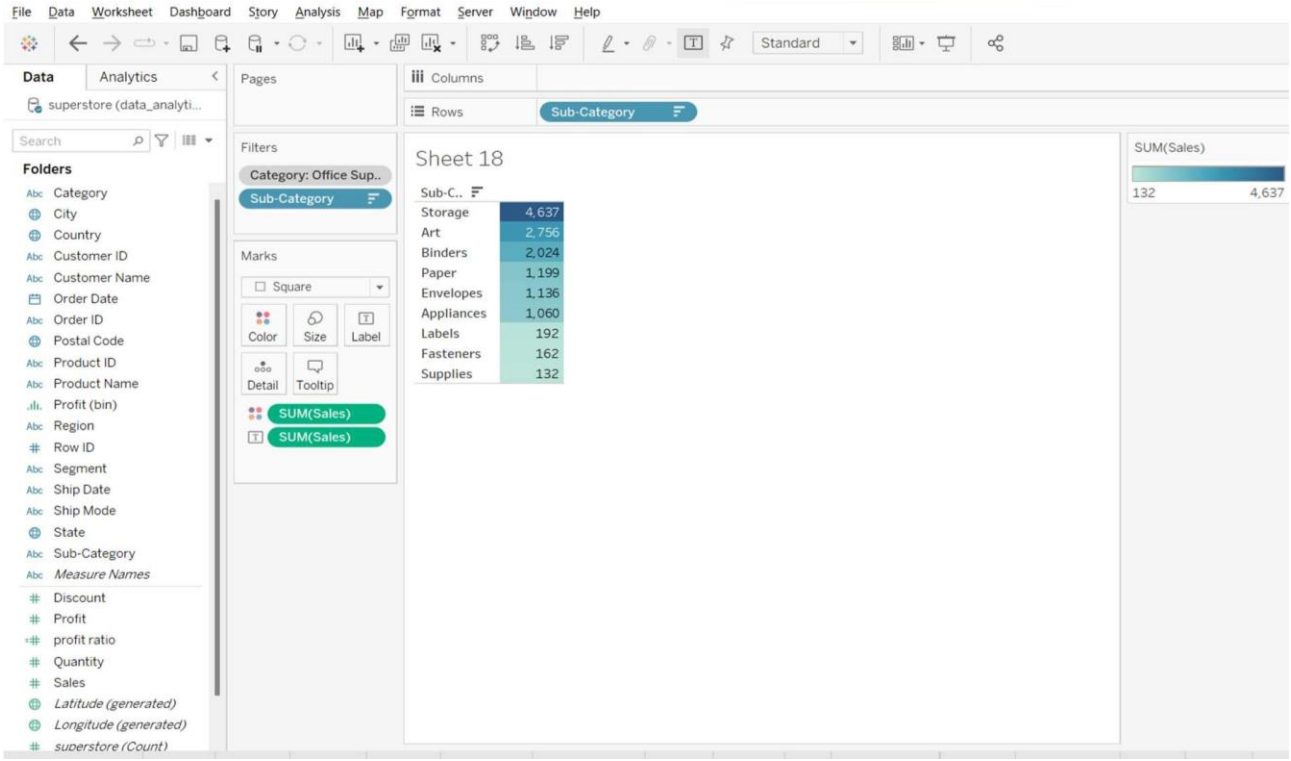
After Context Filtering:
Horizontal Bars:



Tree Map:

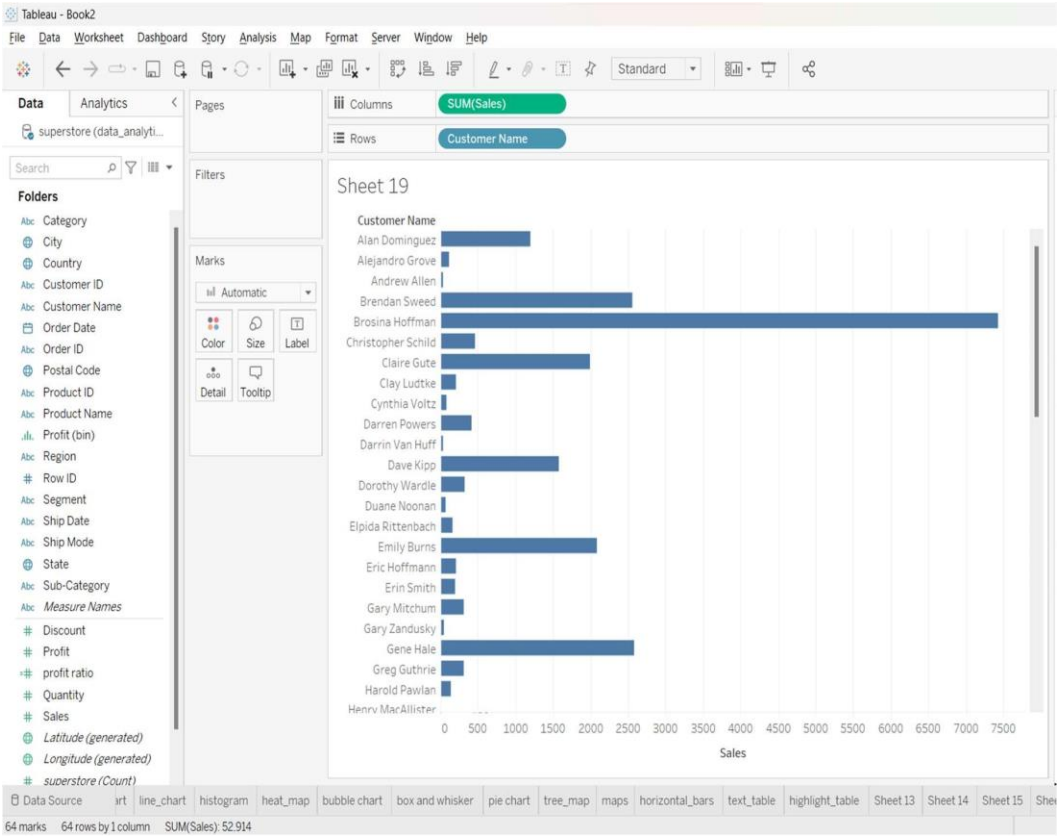


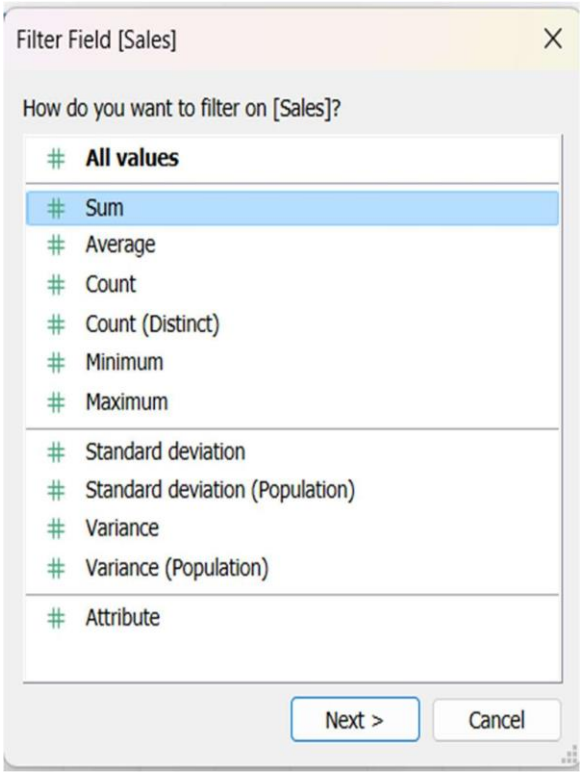
Highlight Table :

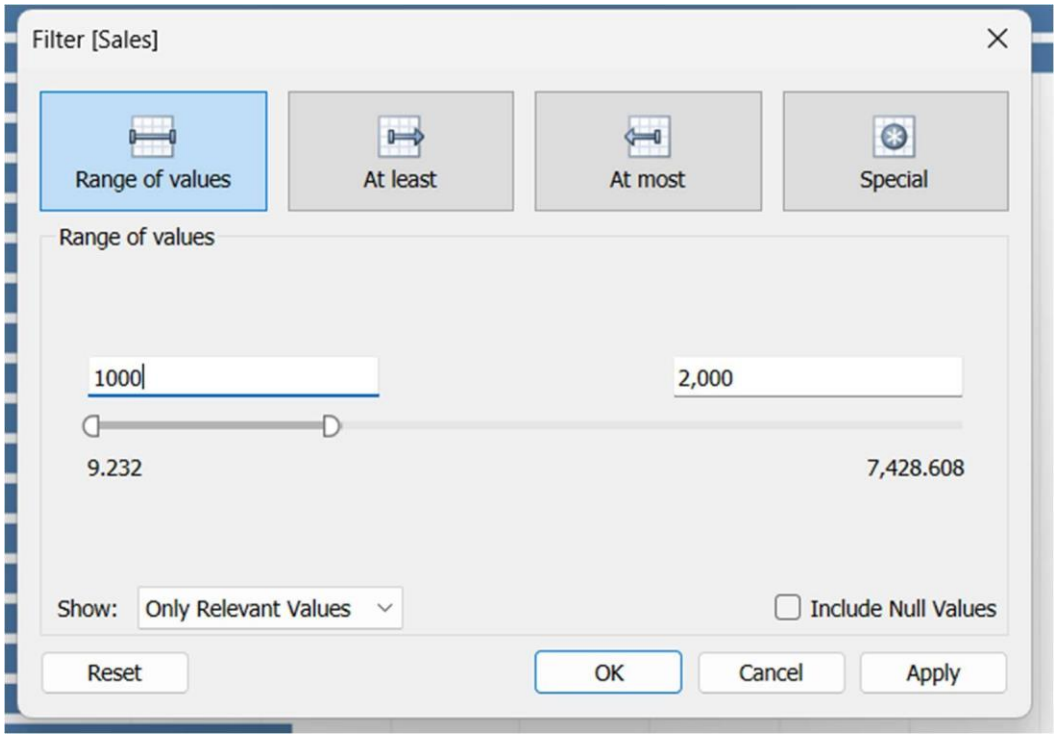


Measure Filtering:

Before Filtering

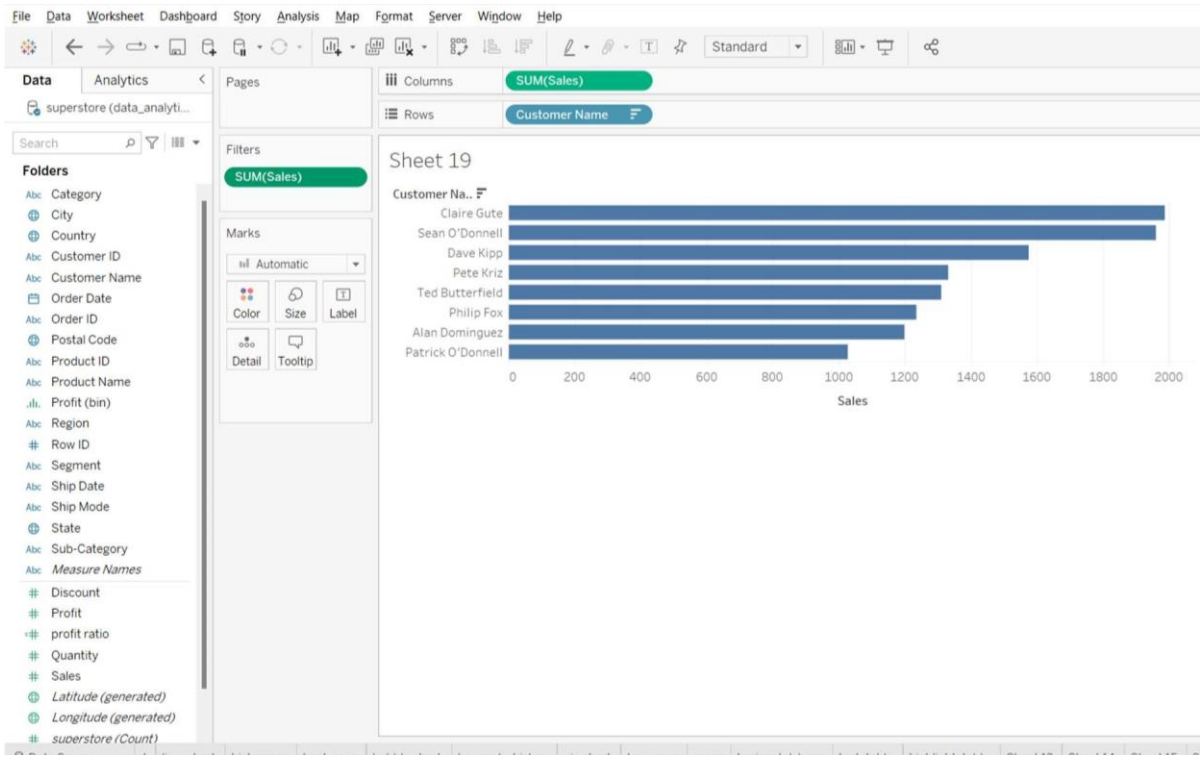




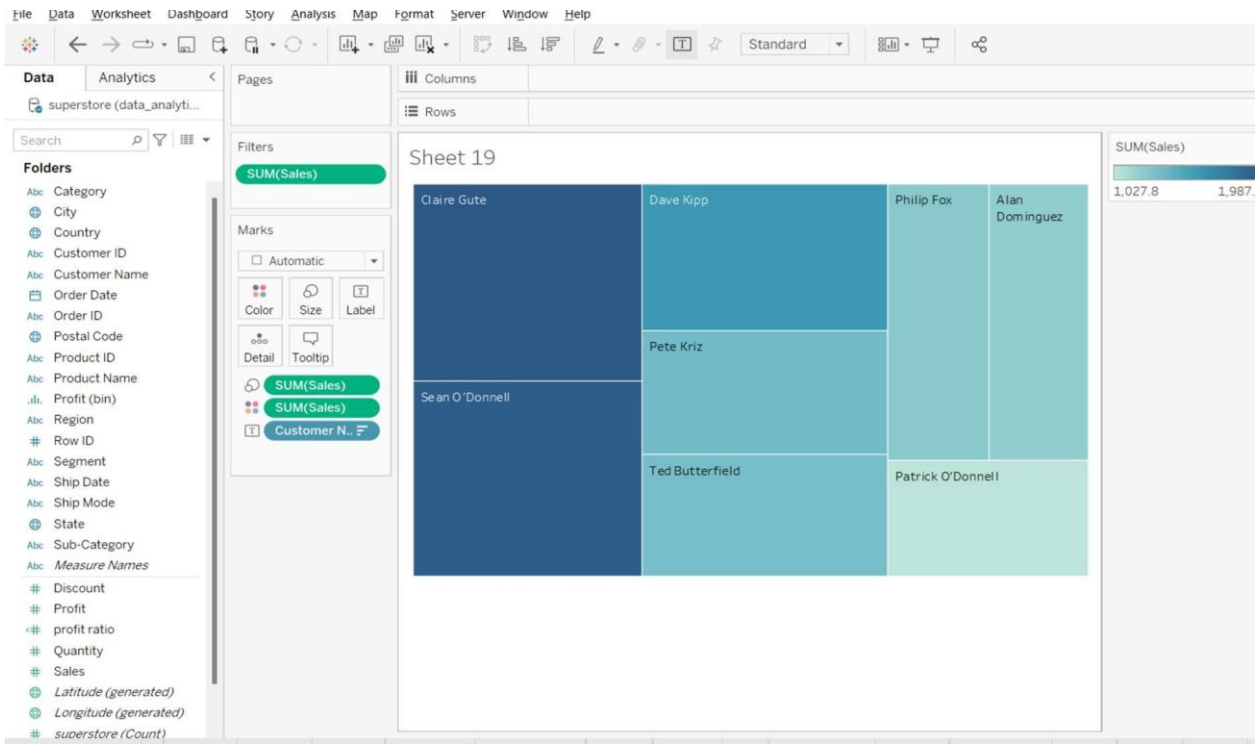


Apply Filtering :

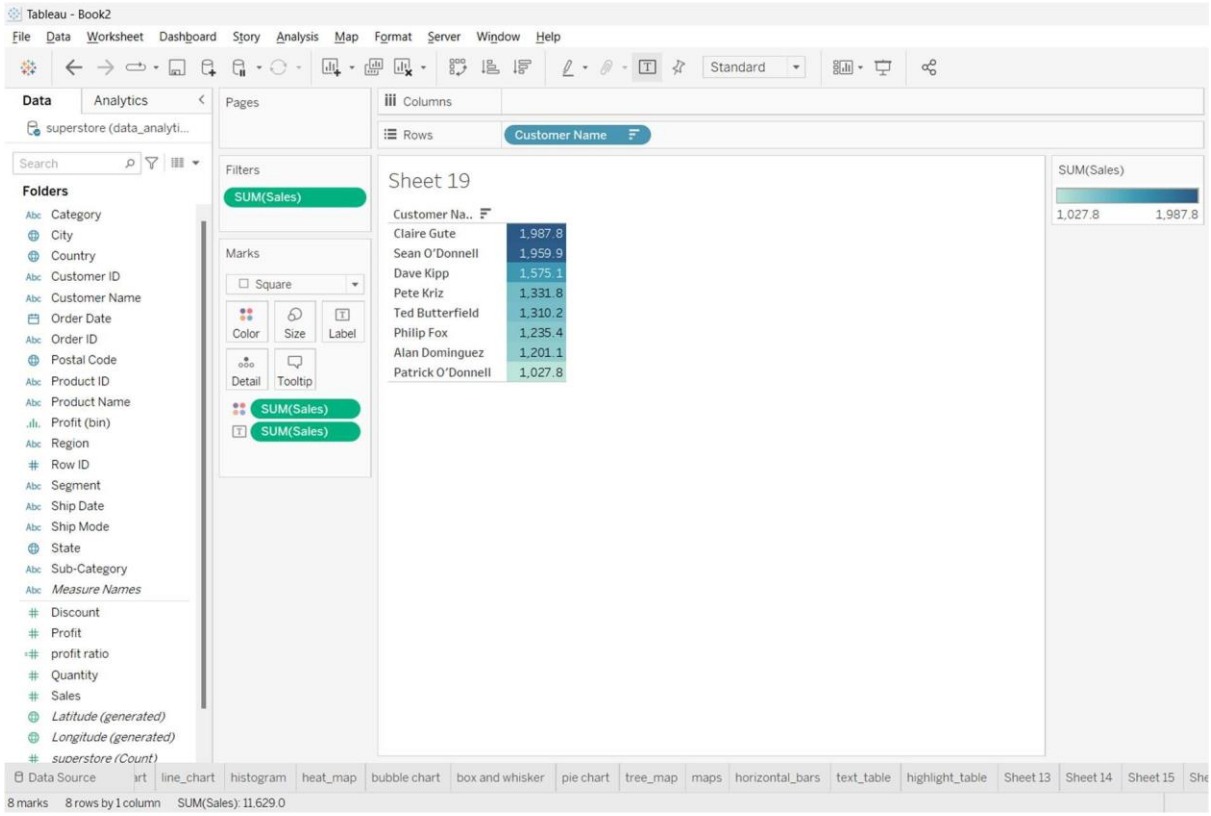
Horizontal bars:



Tree map :

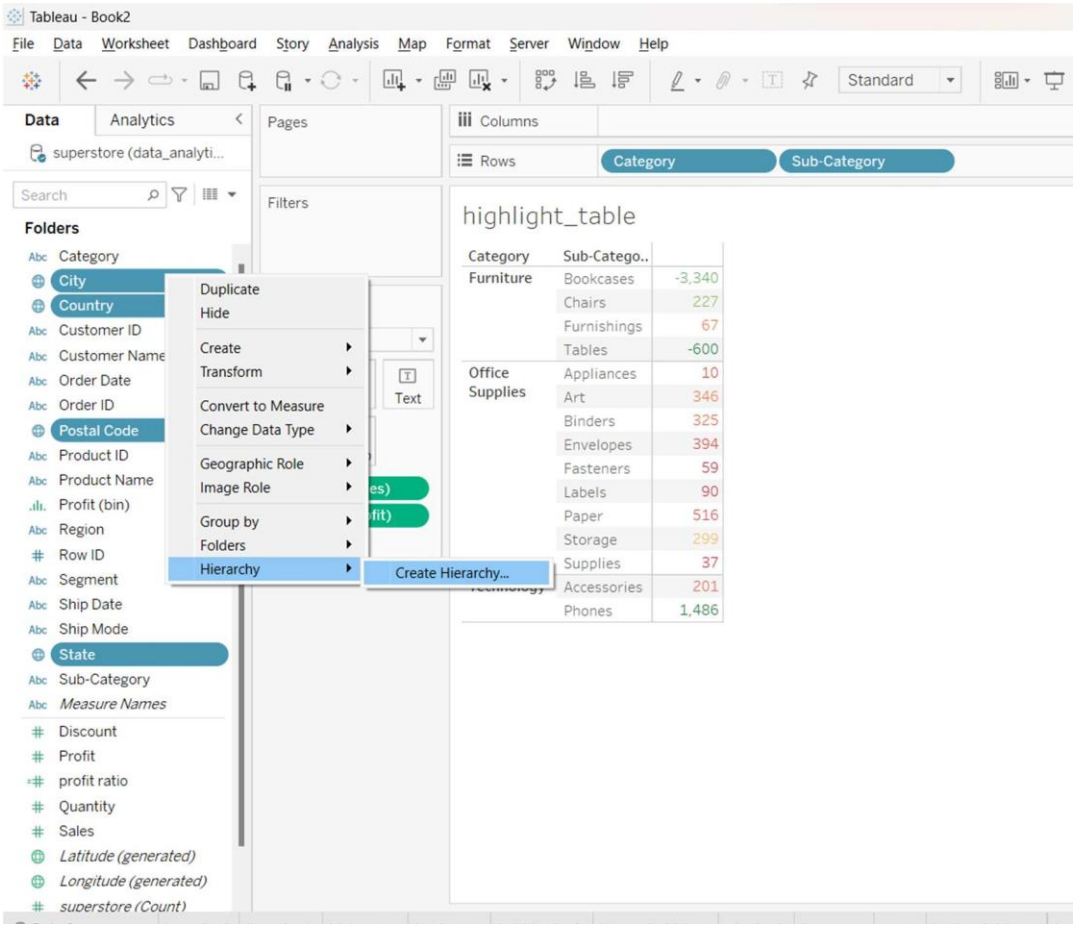


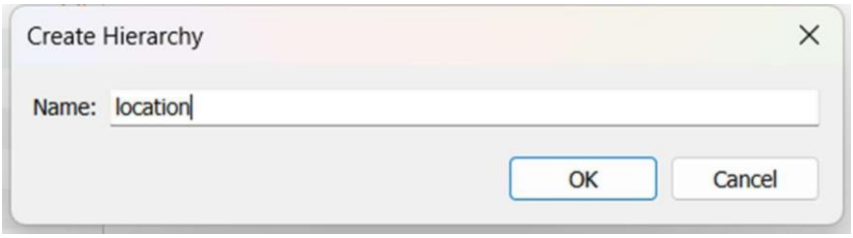
Highlight Table :

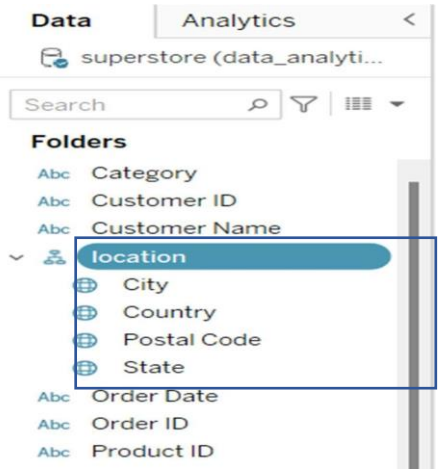


3) Perform the following data manipulations on your dataset

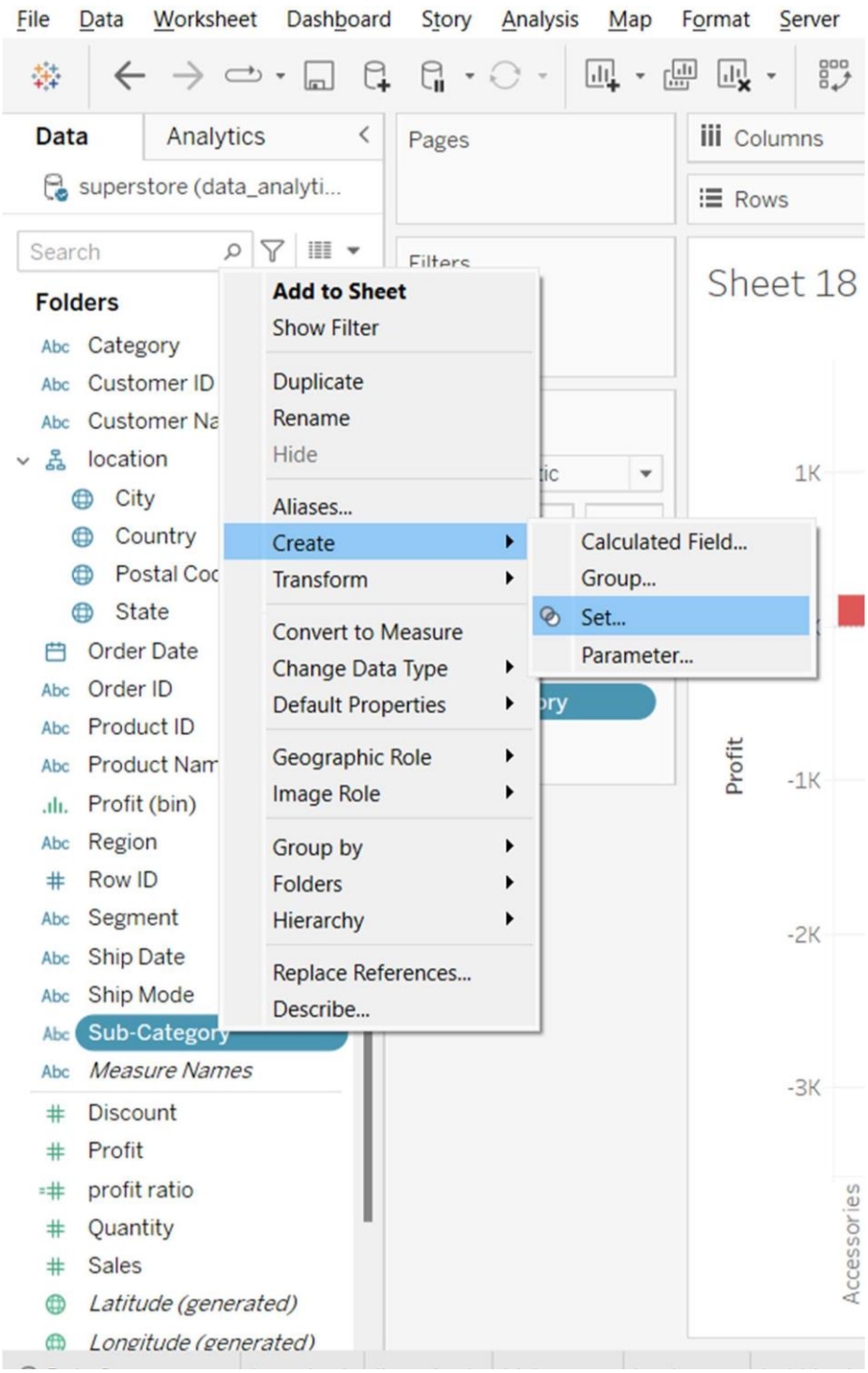
Create a Hierarchy:

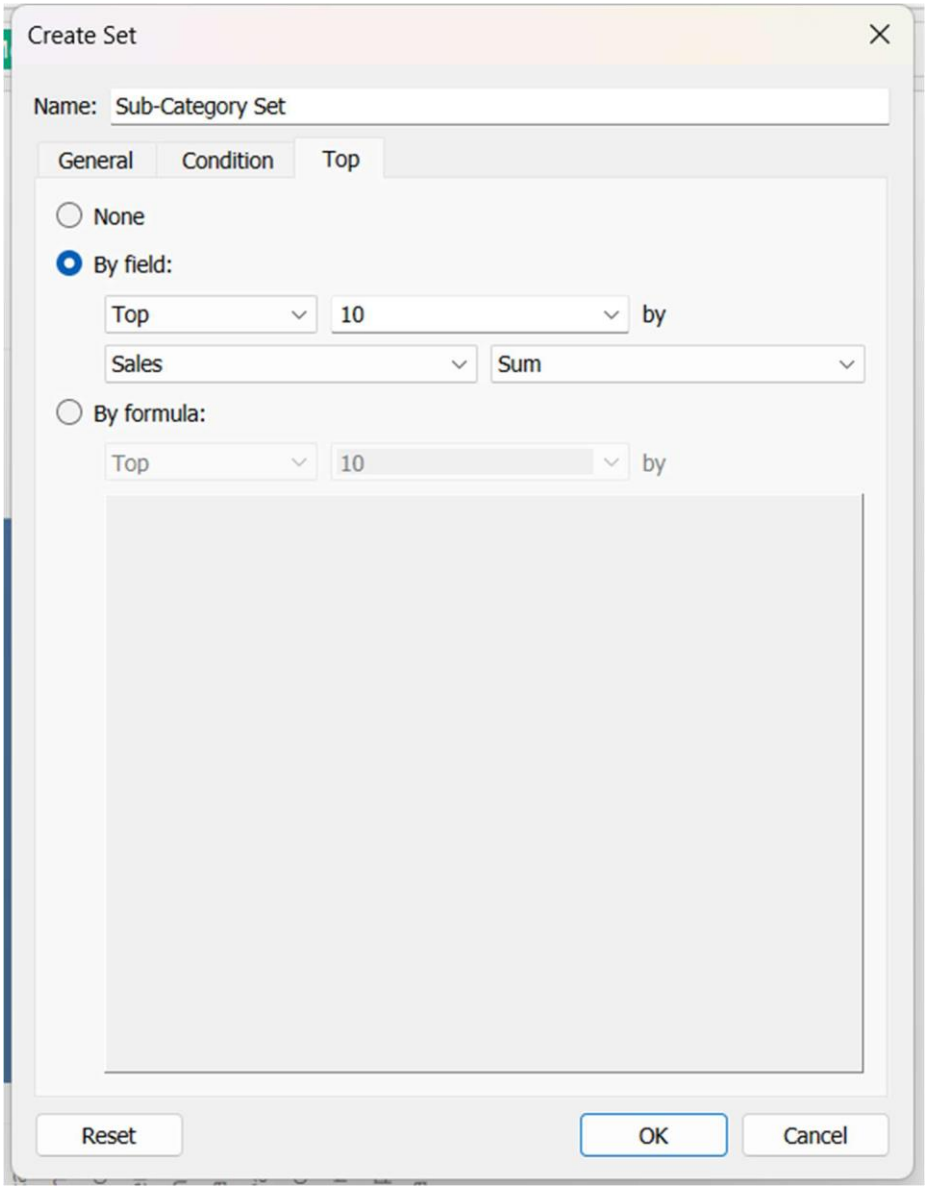


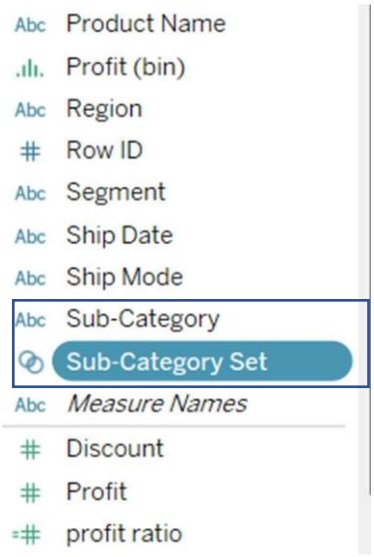




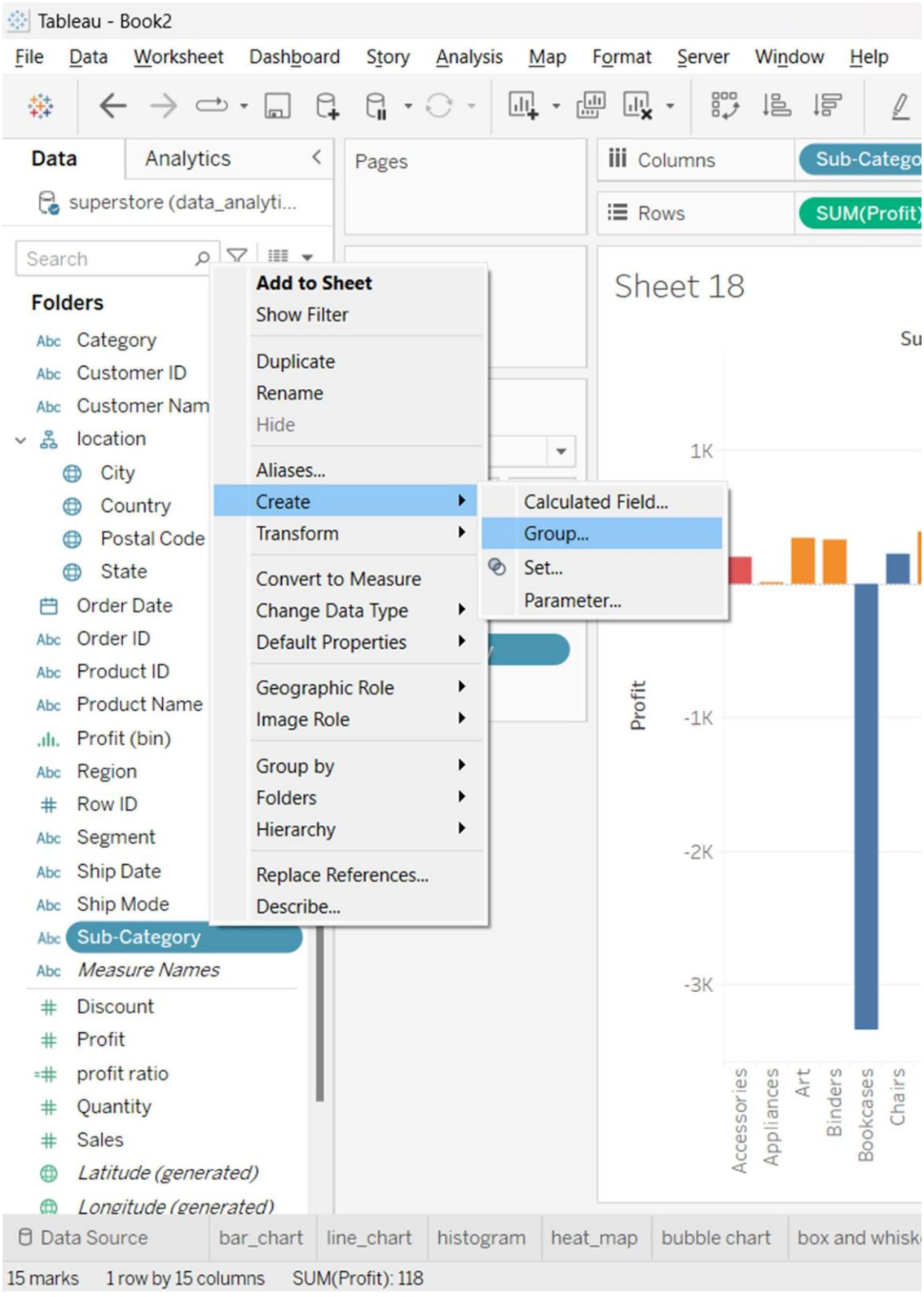
Create a set:

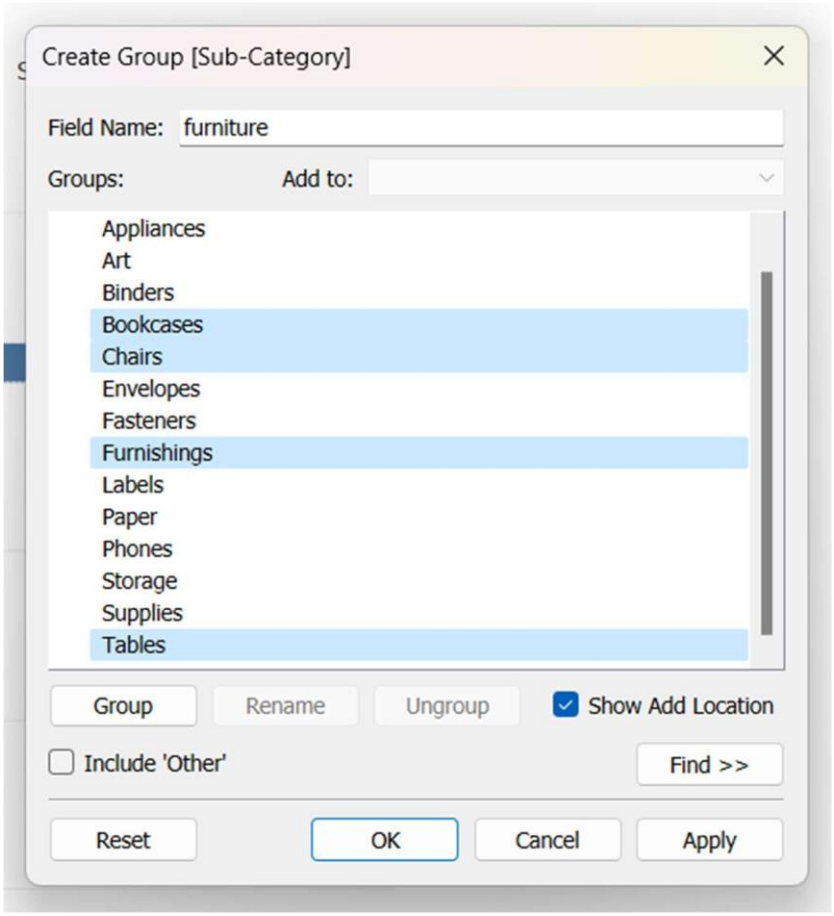

File Data Worksheet Dashboard Story Analysis Map Format Server
Data
Analytics
superstore (data_analyti...
Search
Folders
Abc Category
Abc Customer ID
Abc Customer Na
location
City
Country
Postal Coc
State
Order Date
Abc Order ID
Abc Product ID
Abc Product Nam
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
Abc Sub-Category
Abc Measure Names
Discount
Profit
profit ratio
Quantity
Sales
Latitude (generated)
Longitude (generated)
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...
Pages
Columns
Rows
Filters
Sheet 18
1K
-1K
-2K
-3K
Profit
Accessories

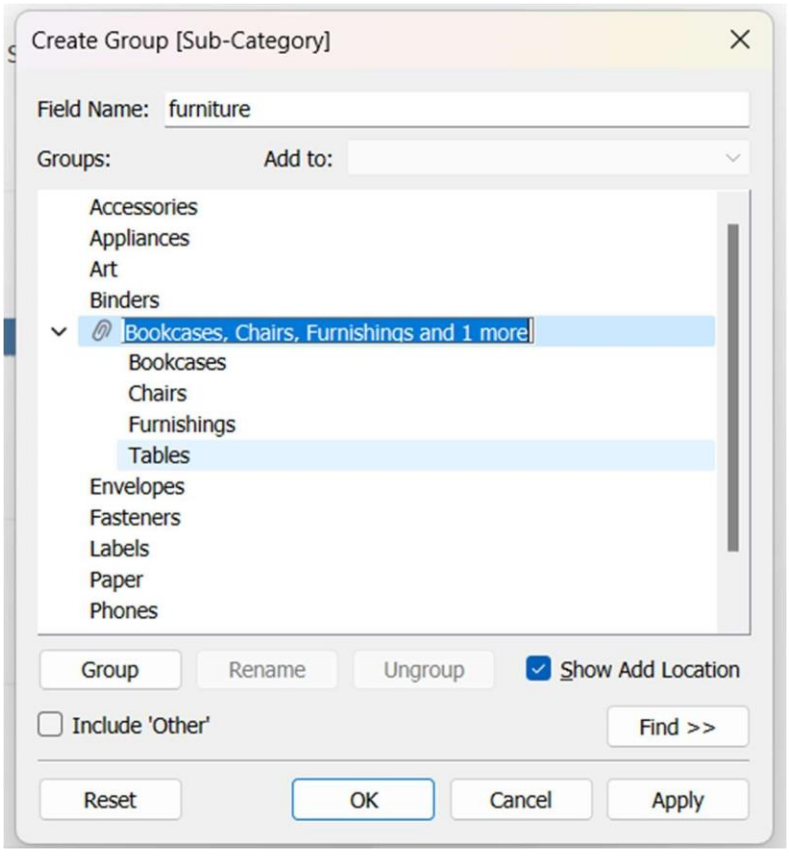

Create Set
Name: Sub-Category Set
General
Condition
Top
None
By field:
Top
10
by
Sales
Sum
By formula:
Top
10
by
Reset
OK
Cancel


Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
Abc Sub-Category
Sub-Category Set
Abc Measure Names
Discount
Profit
profit ratio

Create a group:




Create Group [Sub-Category]
Field Name: furniture
Groups:
Add to:
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Tables
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply


Create Group [Sub-Category]
Field Name: furniture
Groups:
Add to:
Accessories
Appliances
Art
Binders
Bookcases, Chairs, Furnishings and 1 more
Bookcases
Chairs
Furnishings
Tables
Envelopes
Fasteners
Labels
Paper
Phones
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply

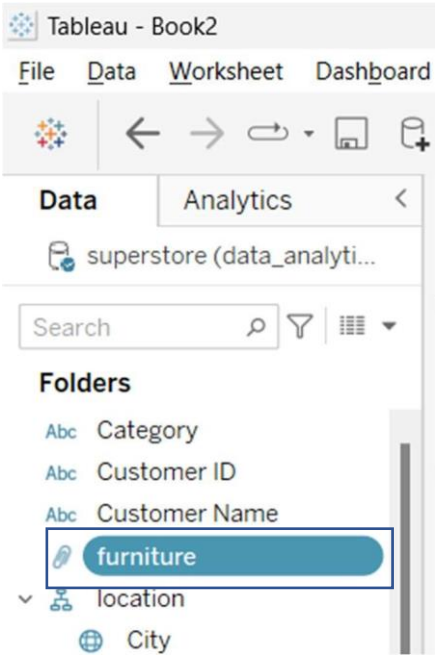


Tableau - Book2
File
Data
Worksheet
Dashboard
Data
Analytics
superstore (data_analyti...
Search
Folders
Abc Category
Abc Customer ID
Abc Customer Name
furniture
location
City