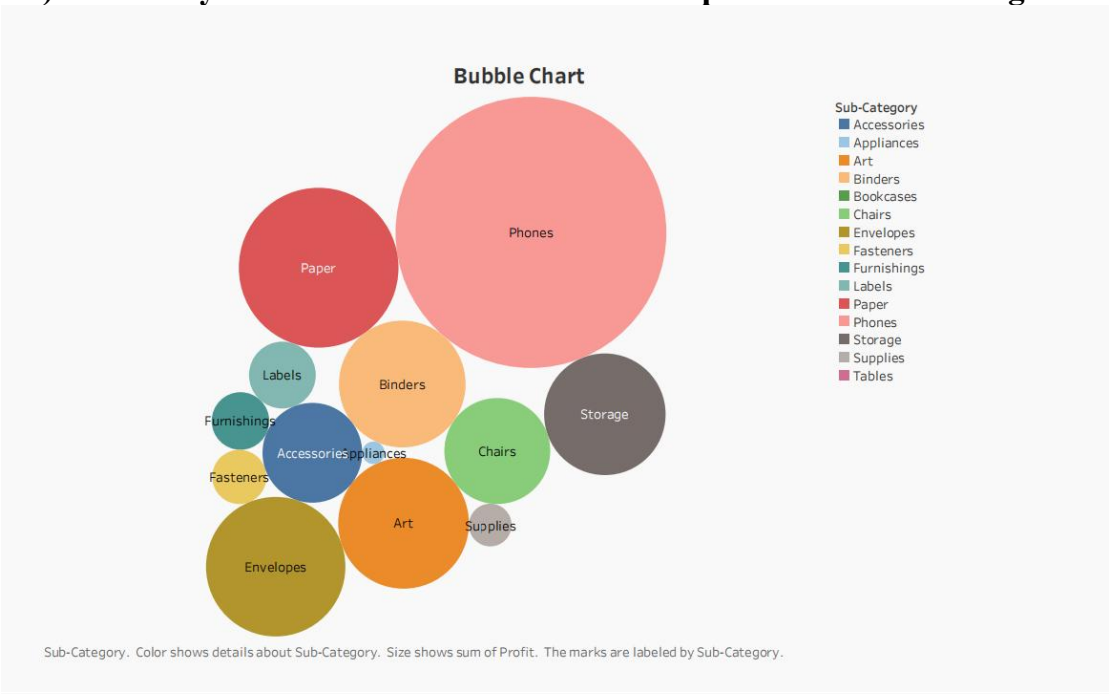
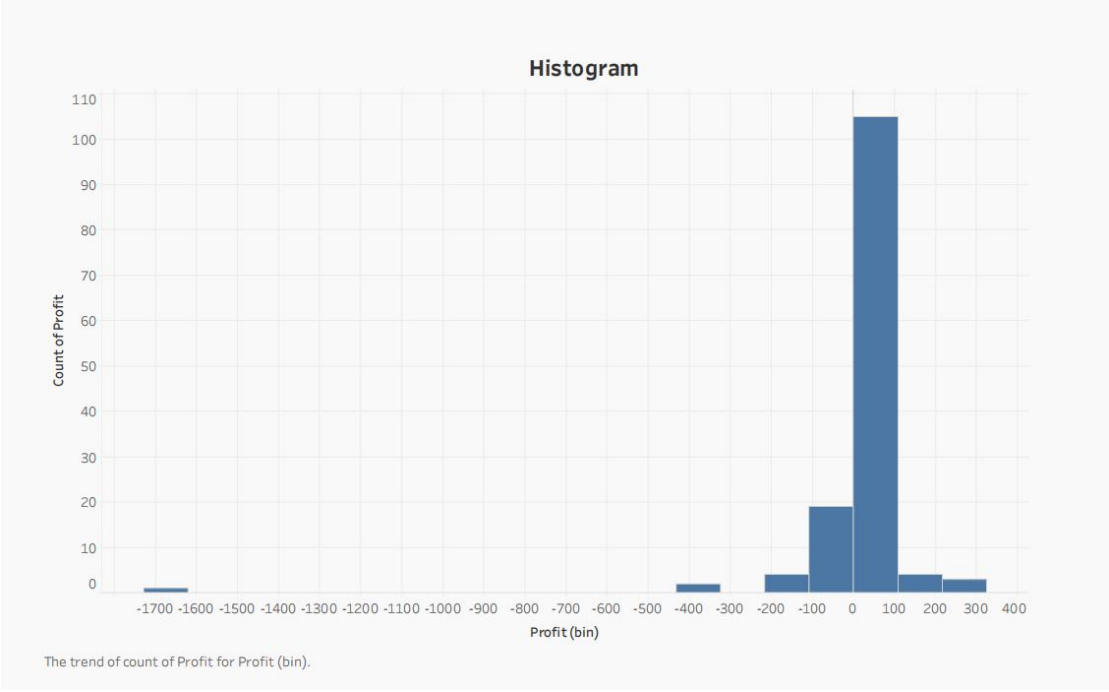
NAME: VEMULAPALLI AASRITHA SAI
REG NO:20BCE7074

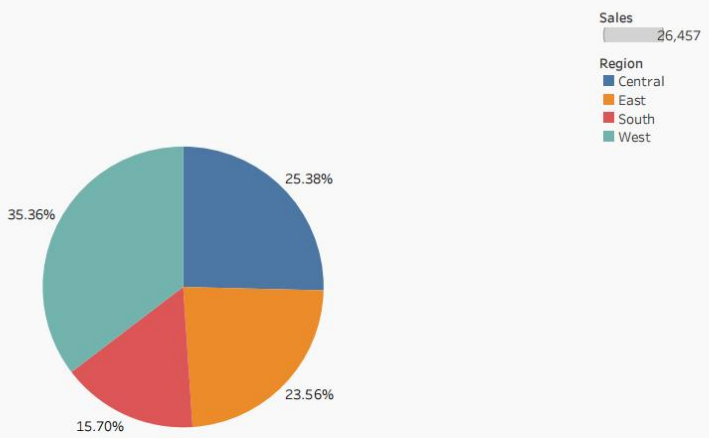
ASSIGNMENT - 2

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



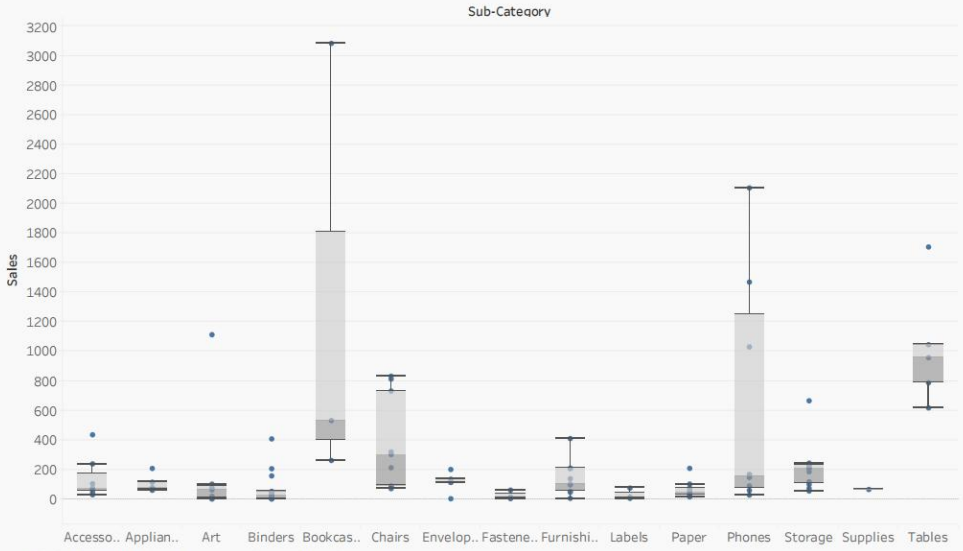


Pie chart



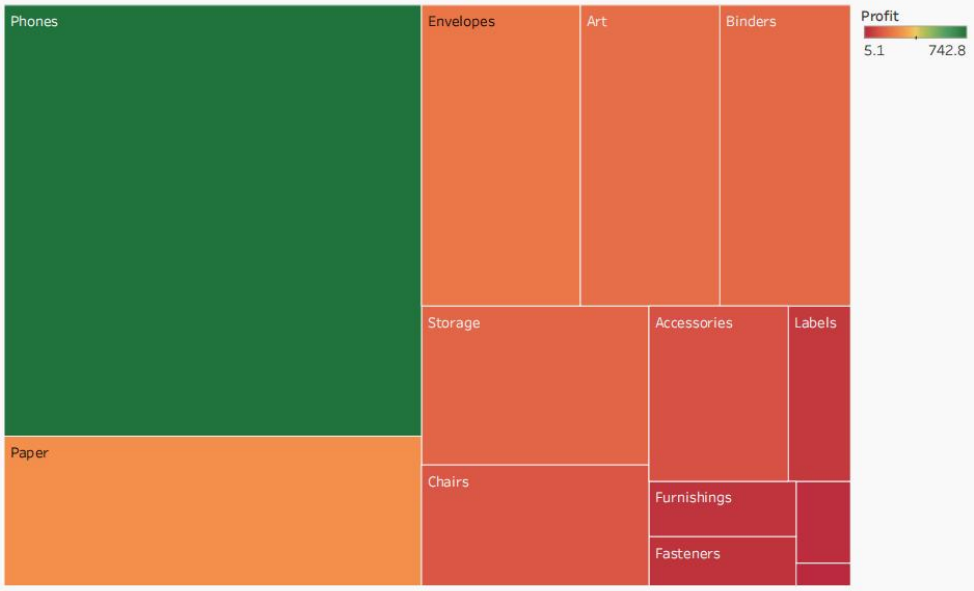
Region (color) and sum of Sales (size).

Box Whisker Plot



Sum of Sales for each Sub-Category. Details are shown for State.

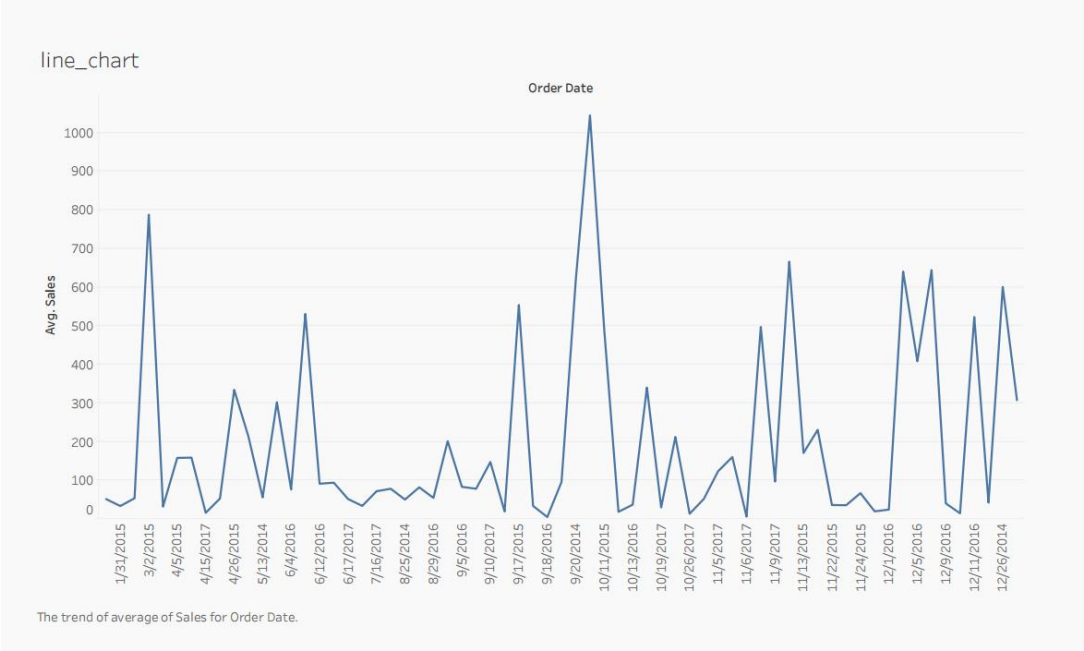
tree map



Sub-Category. Color shows sum of Profit. Size shows sum of Profit. The marks are labeled by Sub-Category. The view is filtered on sum of Profit, which includes greater than and or equal to 0.0 and keeps Null values.

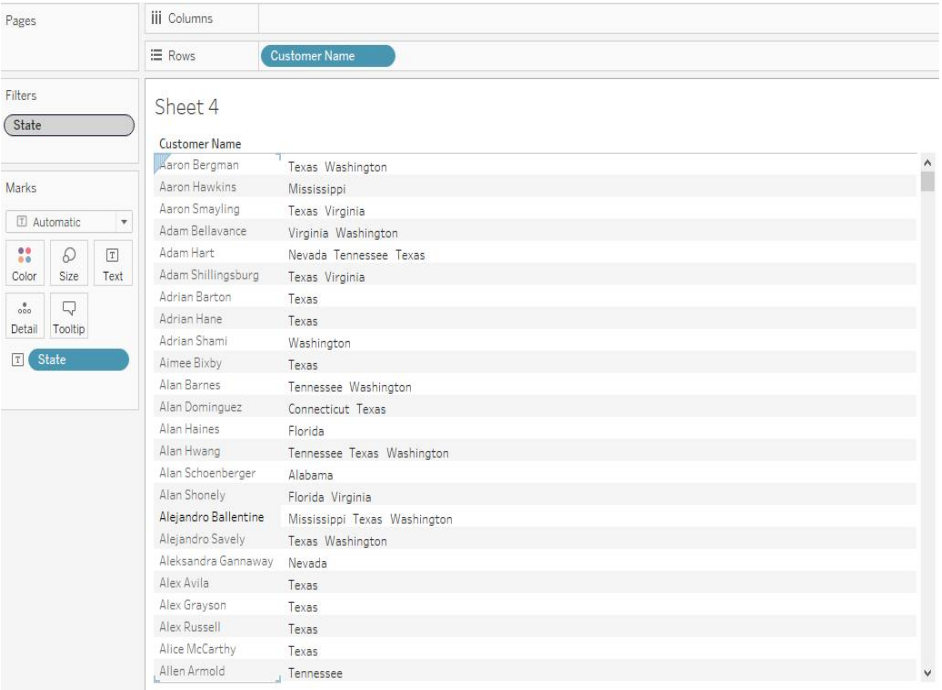
heatmap2

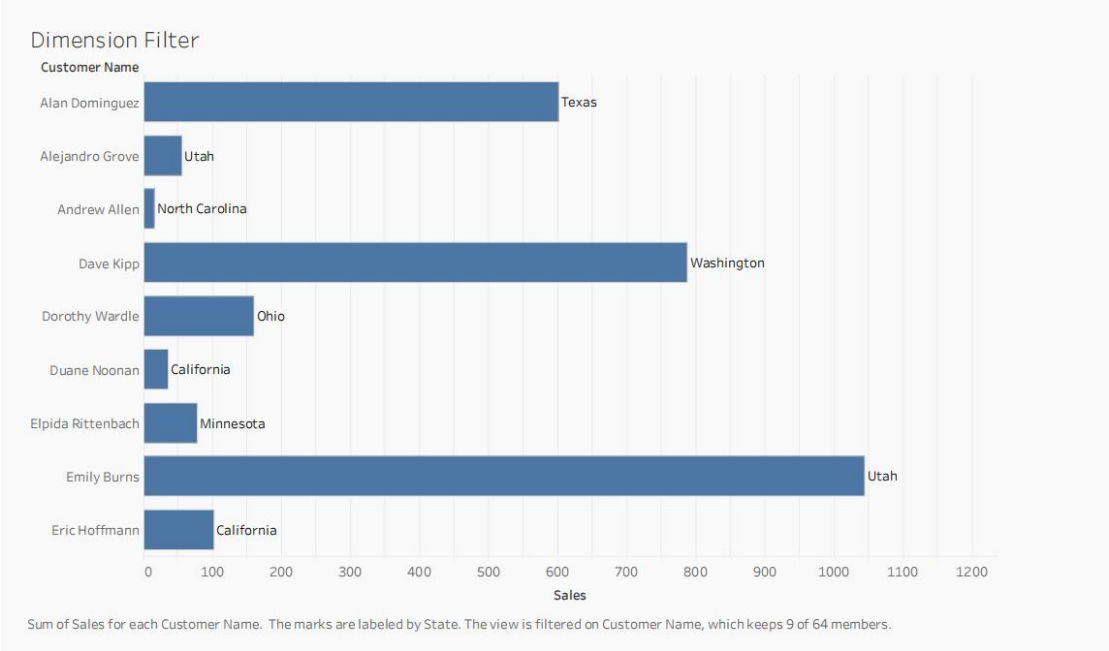
Sum of Sales (color) and sum of Profit (size) broken down by Region vs. Sub-Category.



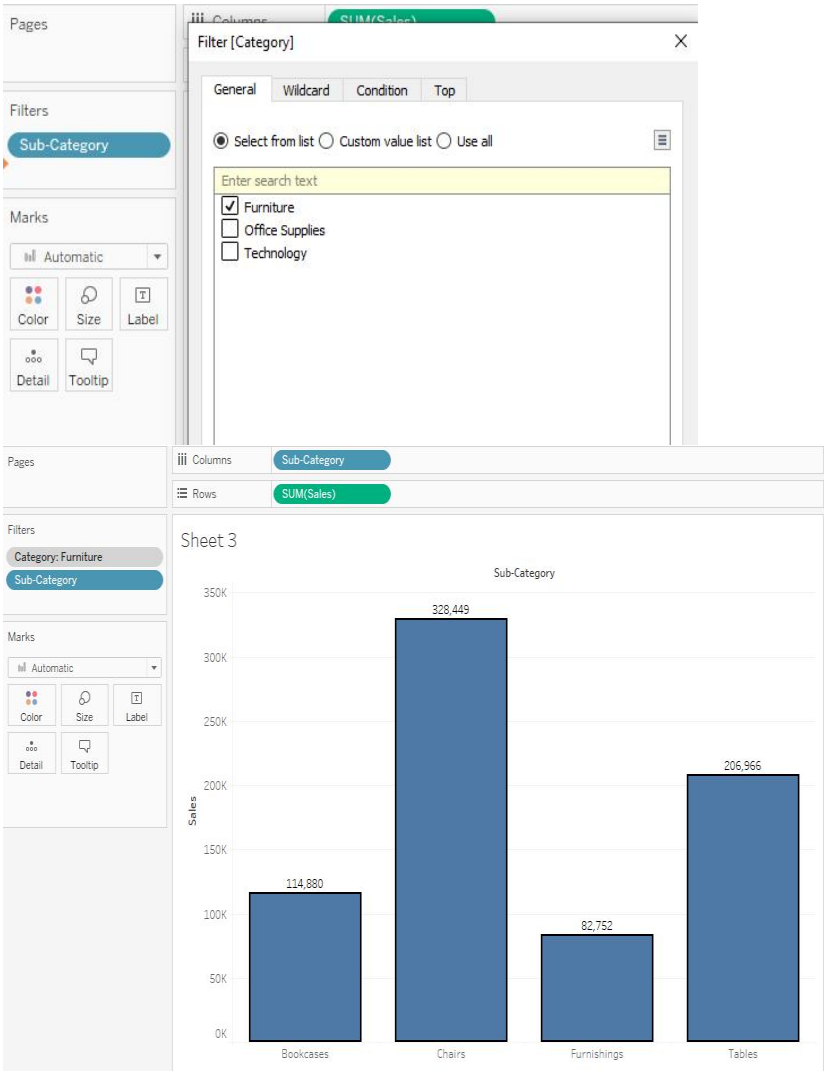
2) Apply dimension filter, context and measure filter on any of the three visualizations

Dimension Filter

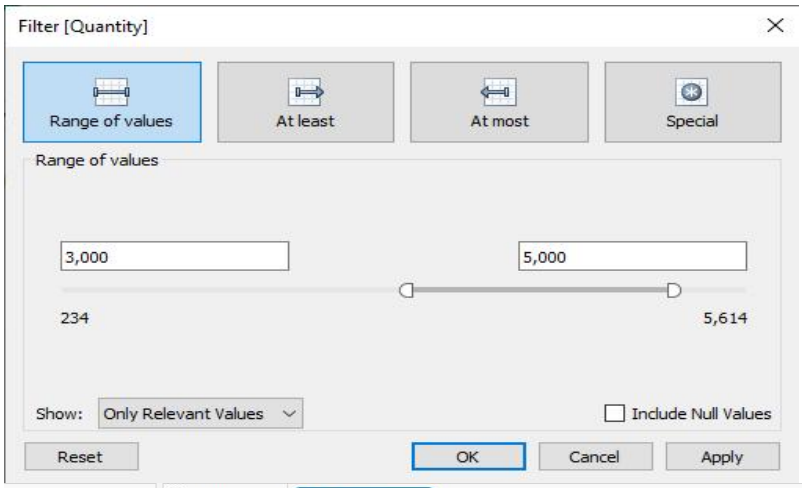


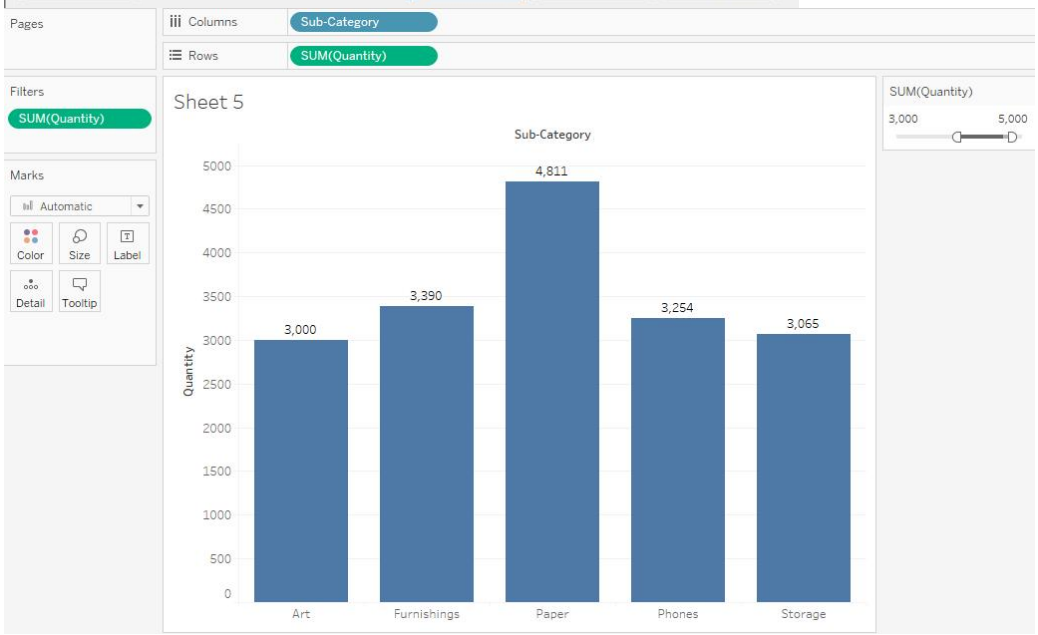


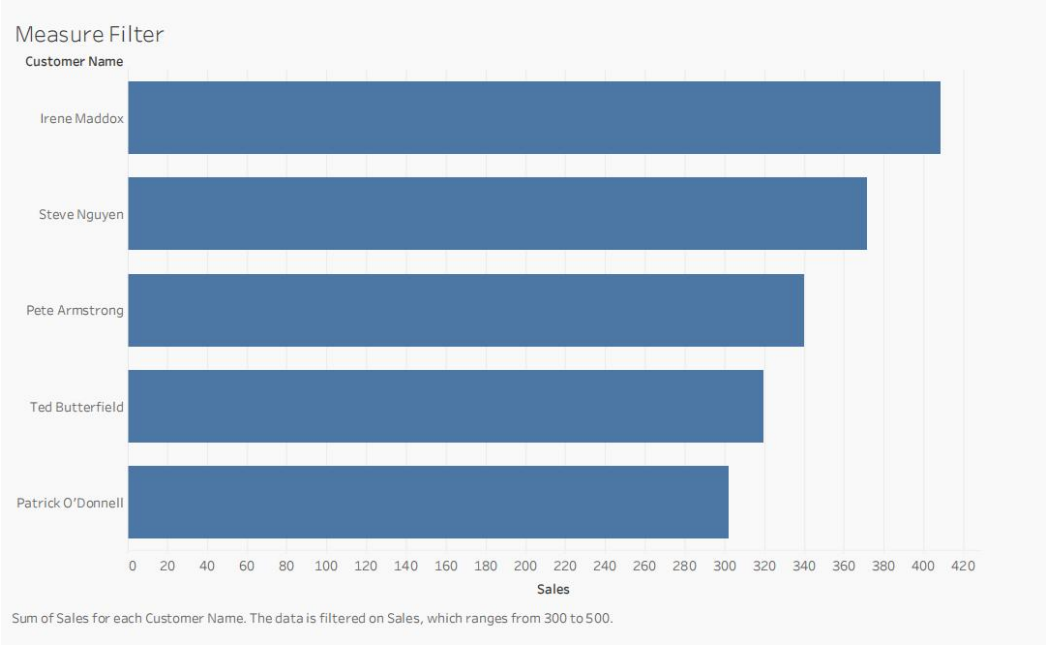
Context Filter



Measure Filter





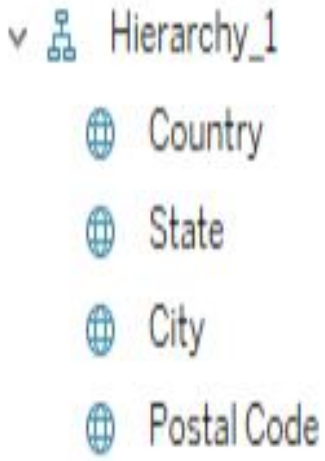


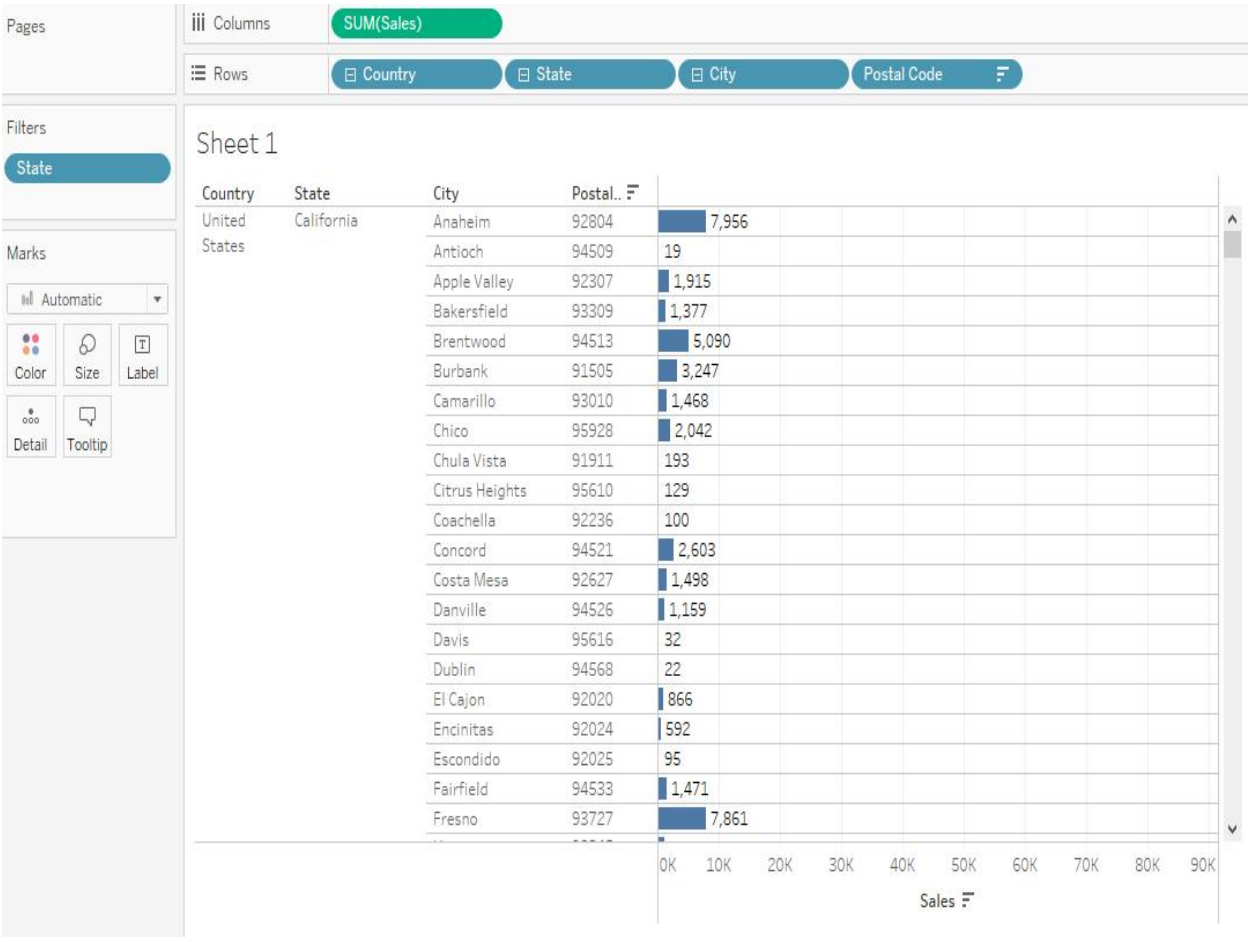
3.) Perform the following data manipulations on your dataset

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

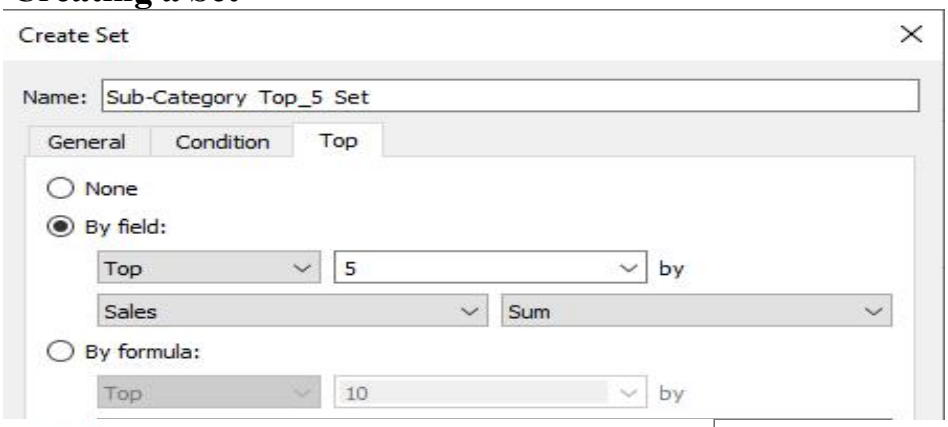
3.1 Creating a Hierarchy

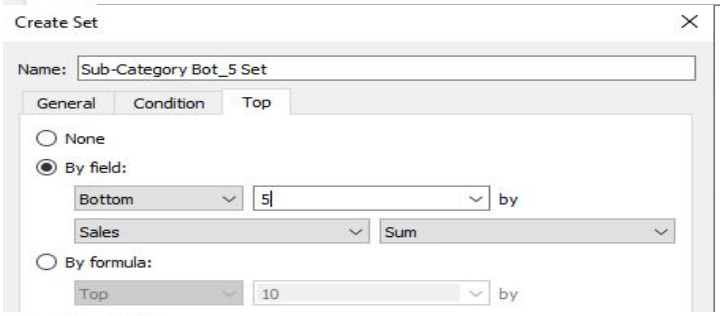
Country-> state->city->postal code

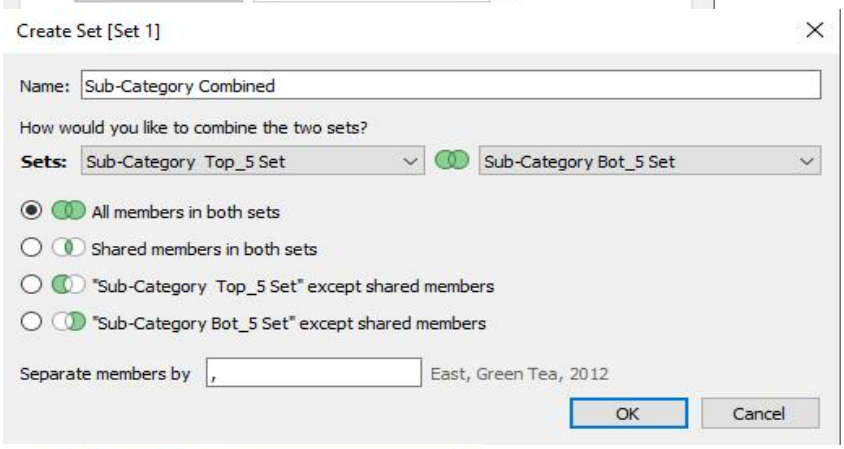


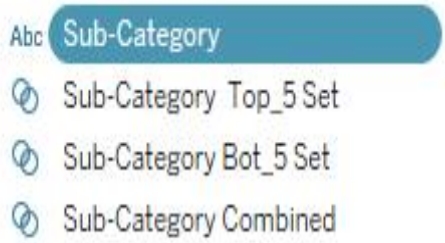


3.2 Creating a Set

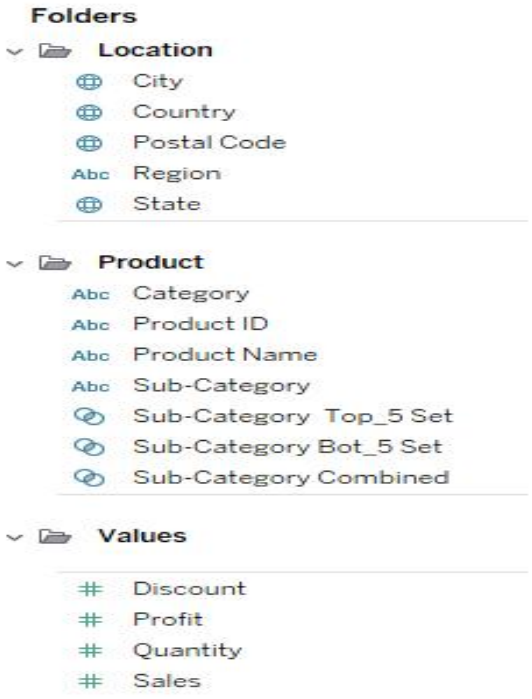


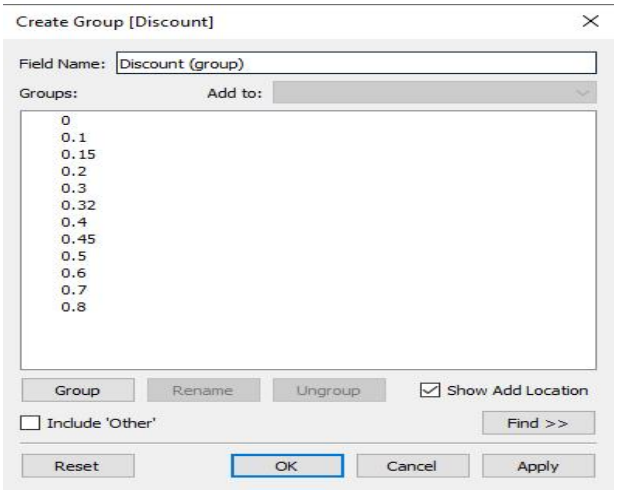


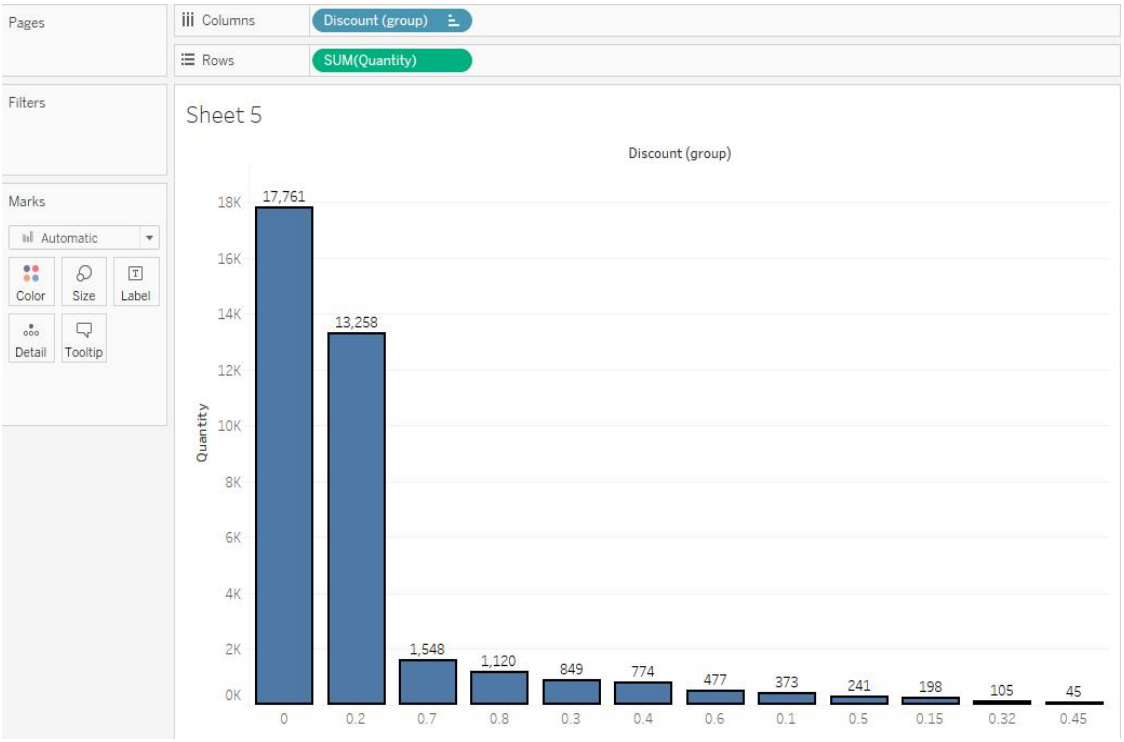




3.3 Creating a Group (Folder)



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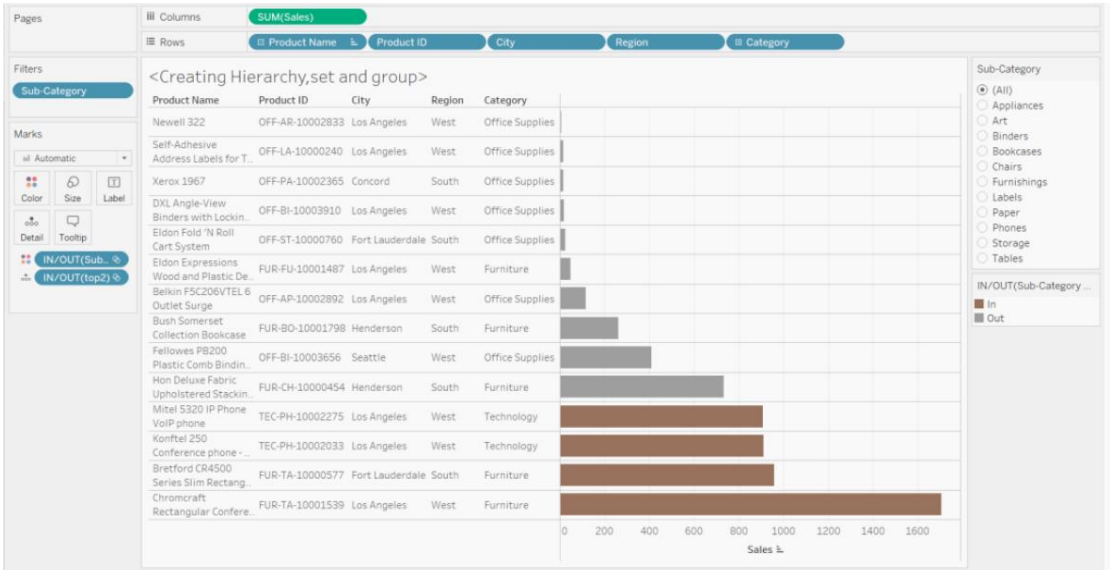
Columns
Discount (group)
Rows
SUM(Quantity)
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Sheet 5
Discount (group)
Quantity
18K
16K
14K
12K
10K
8K
6K
4K
2K
0K
17,761
13,258
1,548
1,120
849
774
477
373
241
198
105
45
0
0.2
0.7
0.8
0.3
0.4
0.6
0.1
0.5
0.15
0.32
0.45


Pages
Columns
SUM(Sales)
Rows
Product Name
Product ID
City
Region
Category
Filters
Sub-Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
IN/OUT(Sub..
IN/OUT(top2)
<Creating Hierarchy,set and group>
Product Name
Product ID
City
Region
Category
Newell 322
OFF-AR-10002833
Los Angeles
West
Office Supplies
Self-Adhesive Address Labels for T..
OFF-LA-10000240
Los Angeles
West
Office Supplies
Xerox 1967
OFF-PA-10002365
Concord
South
Office Supplies
DXL Angle-View Binders with Lockin..
OFF-BI-10003910
Los Angeles
West
Office Supplies
Eldon Fold 'N Roll Cart System
OFF-ST-10000760
Fort Lauderdale
South
Office Supplies
Eldon Expressions Wood and Plastic De..
FUR-FU-10001487
Los Angeles
West
Furniture
Belkin F5C206VTEL 6 Outlet Surge
OFF-AP-10002892
Los Angeles
West
Office Supplies
Bush Somerset Collection Bookcase
FUR-BO-10001798
Henderson
South
Furniture
Fellowes PB200 Plastic Comb Bindin..
OFF-BI-10003656
Seattle
West
Office Supplies
Hon Deluxe Fabric Upholstered Stackin..
FUR-CH-10000454
Henderson
South
Furniture
Mitel 5320 IP Phone VoIP phone
TEC-PH-10002275
Los Angeles
West
Technology
Konftel 250 Conference phone -..
TEC-PH-10002033
Los Angeles
West
Technology
Bretford CR4500 Series Slim Rectang..
FUR-TA-10000577
Fort Lauderdale
South
Furniture
Chromcraft Rectangular Confere..
FUR-TA-10001539
Los Angeles
West
Furniture
0
200
400
600
800
1000
1200
1400
1600
Sales
Sub-Category
(All)
Appliances
Art
Binders
Bookcases
Chairs
Furnishings
Labels
Paper
Phones
Storage
Tables
IN/OUT(Sub-Category ...
In
Out