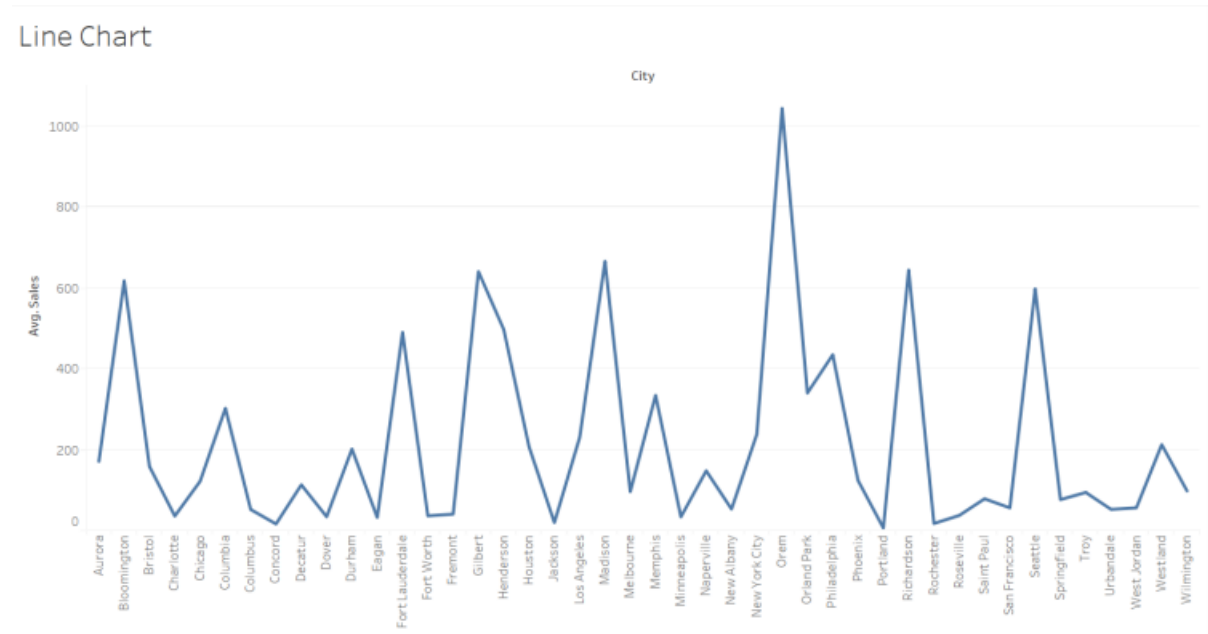


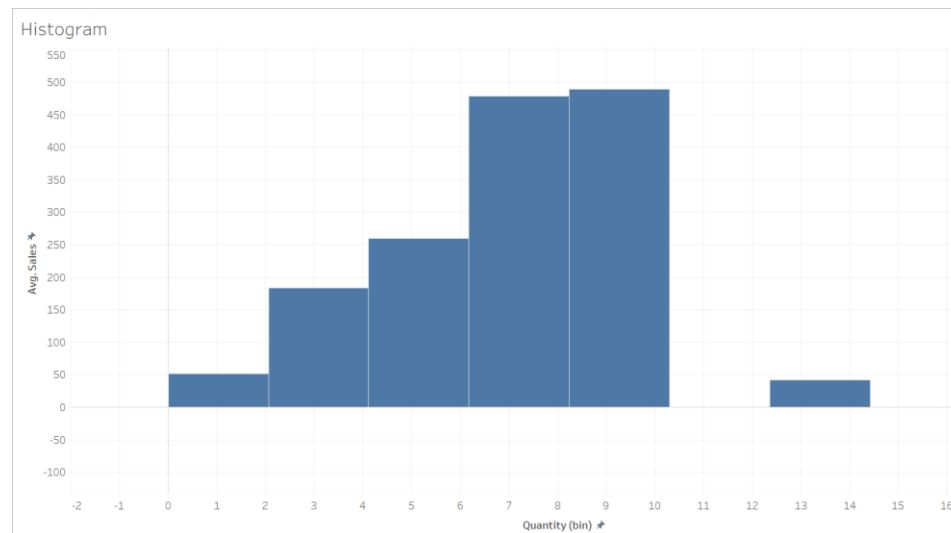
Smart Bridge Externship(Data analytics) Assignment 2

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

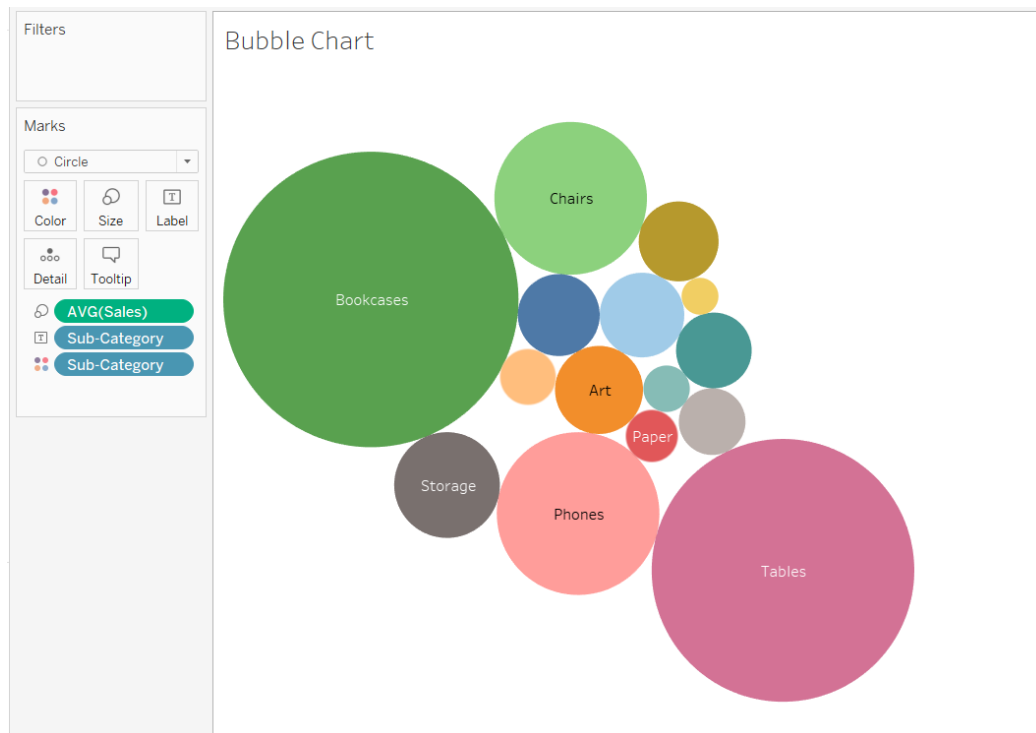
Line Chart



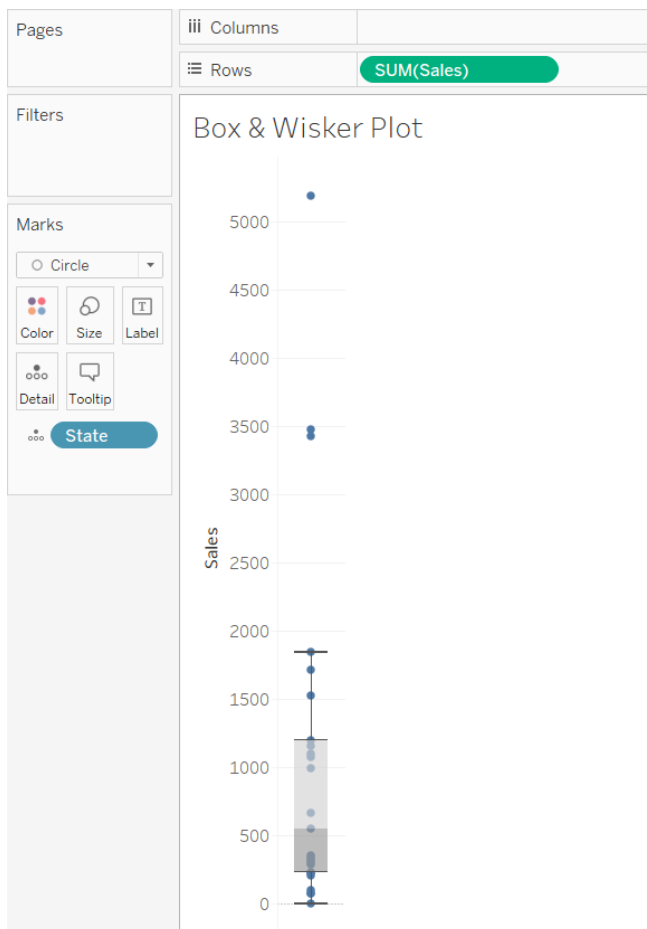
Histogram



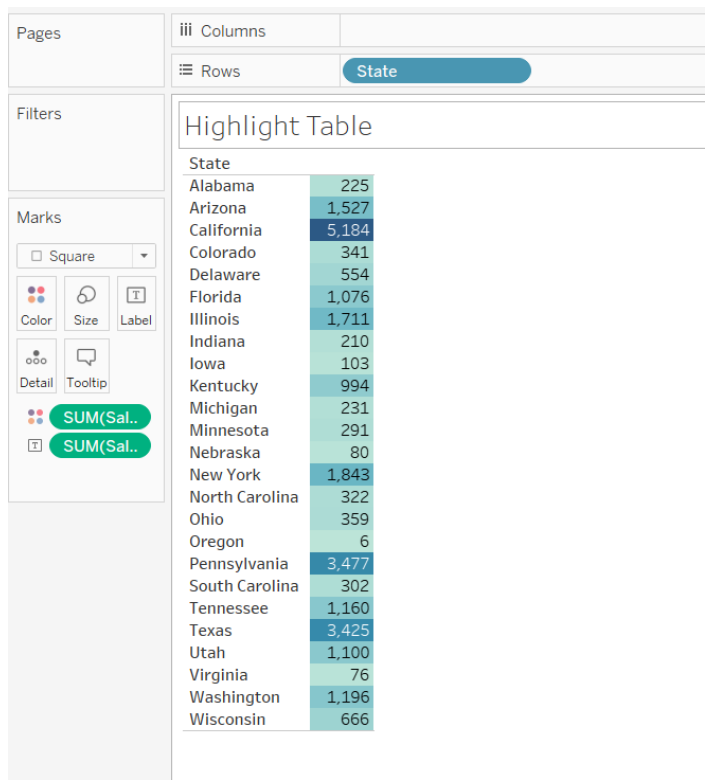
Bubble chart



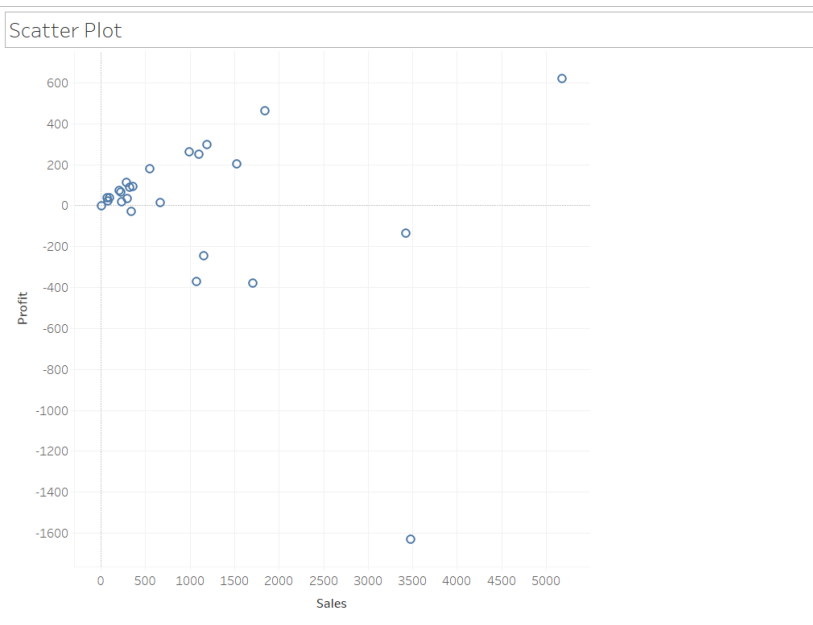
Box & Wisker plot



Highlight table



Scatter plot



Text table

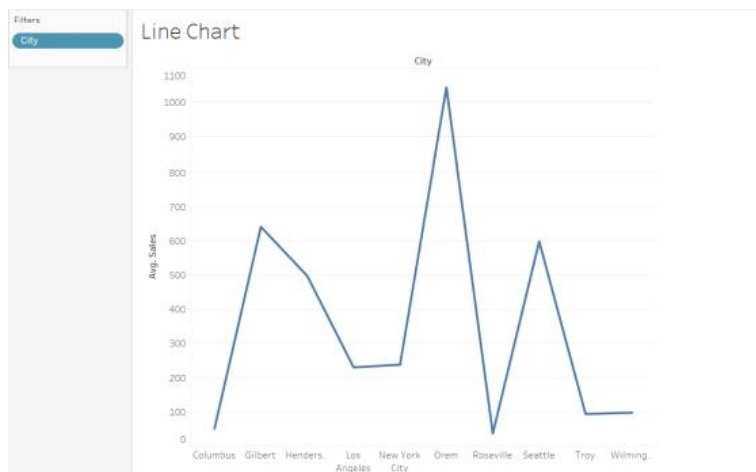
Text Table

State	Profit	Sales
Alabama	64	225
Arizona	203	1,527
California	621	5,184
Colorado	-31	341
Delaware	178	554
Florida	-371	1,076
Illinois	-379	1,711
Indiana	73	210
Iowa	36	103
Kentucky	261	994
Michigan	17	231
Minnesota	111	291
Nebraska	21	80
New York	460	1,843
North Carolina	89	322
Ohio	92	359
Oregon	-4	6
Pennsylvania	-1,633	3,477
South Carolina	33	302
Tennessee	-247	1,160
Texas	-136	3,425
Utah	250	1,100
Virginia	36	76
Washington	298	1,196
Wisconsin	13	666

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

Visualizations

Dimension filter



City filter

Filter [City]

General

Wildcard

Condition

Top

☐ Select from list

☐ Custom value list

☒ Use all

All

None

☐ Exclude

Summary

Field: [City]

Selection: All

Wildcard: All

Condition: None

Limit: Top 10 by SUM([Profit])

Reset

OK

Cancel

Apply

Filter [City]

General

Wildcard

Condition

Top

☐ None

☒ By field:

☐ By formula:

Top

10

by

Profit

Sum

Top

10

by

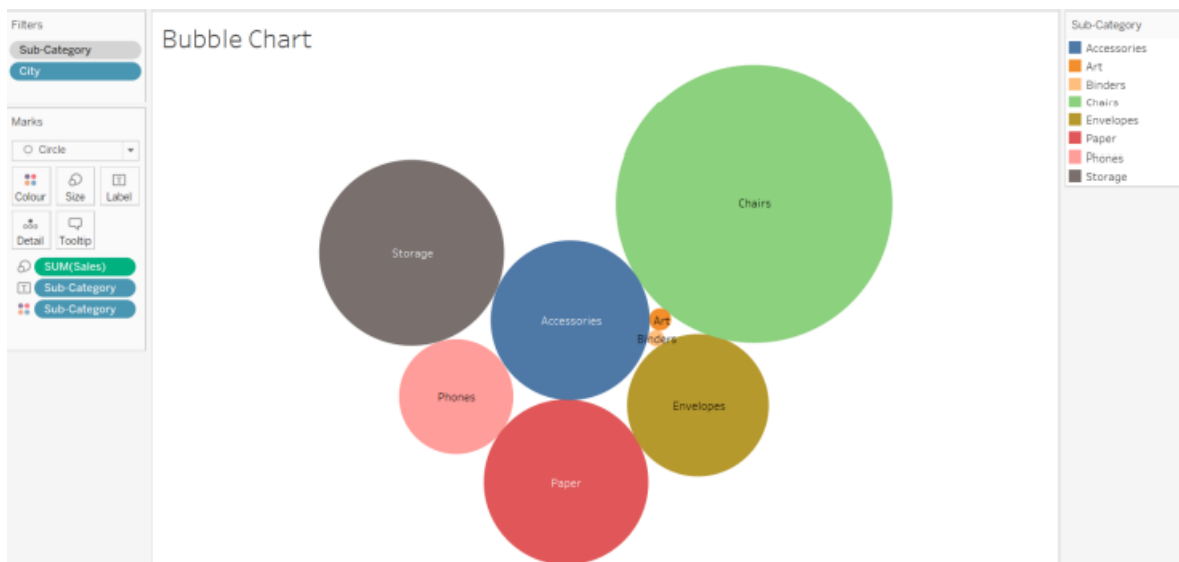
Reset

OK

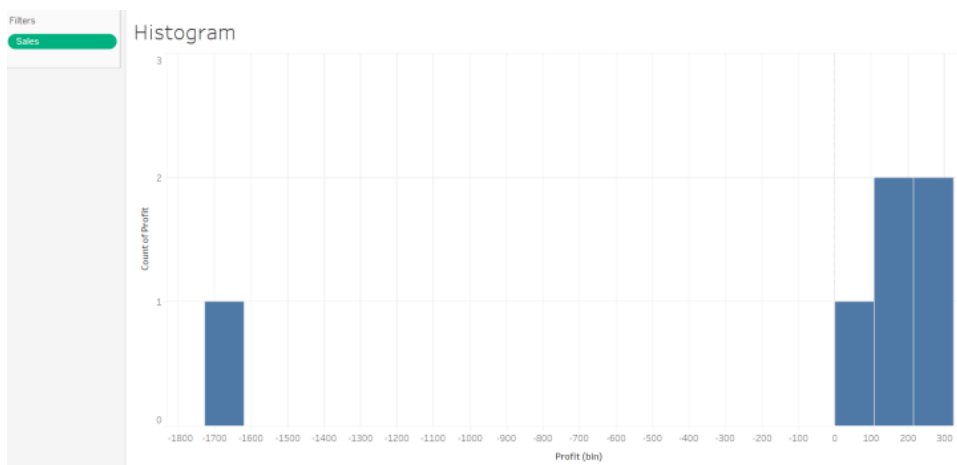
Cancel

Apply

Context filter

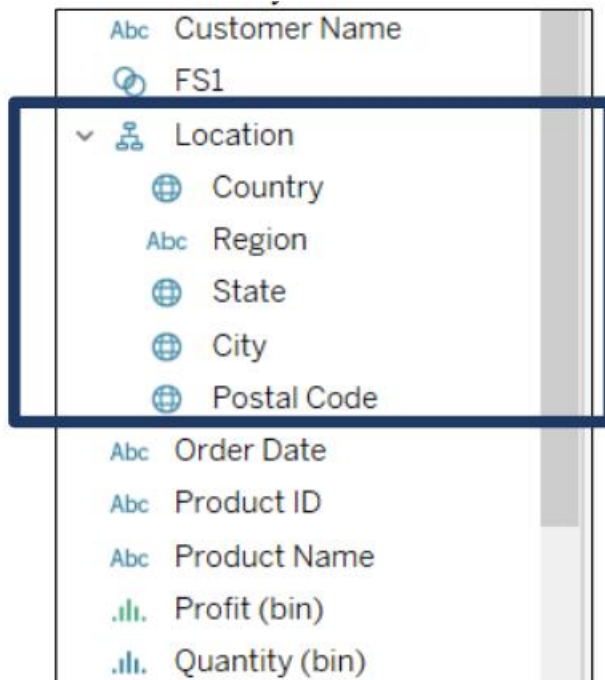


Measure filter



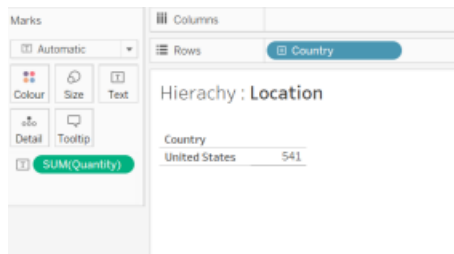
3) Perform the following data manipulations on your dataset

- create a Hierarchy

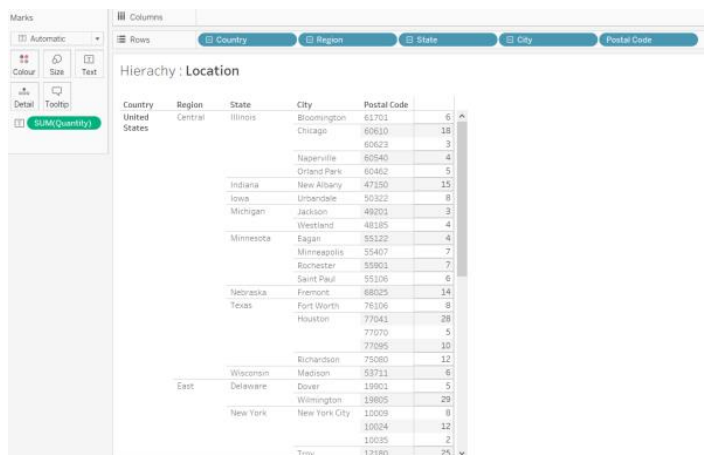


A Location hierarchy is created from Country, Region, State, City, Postal Code.

Drill Up

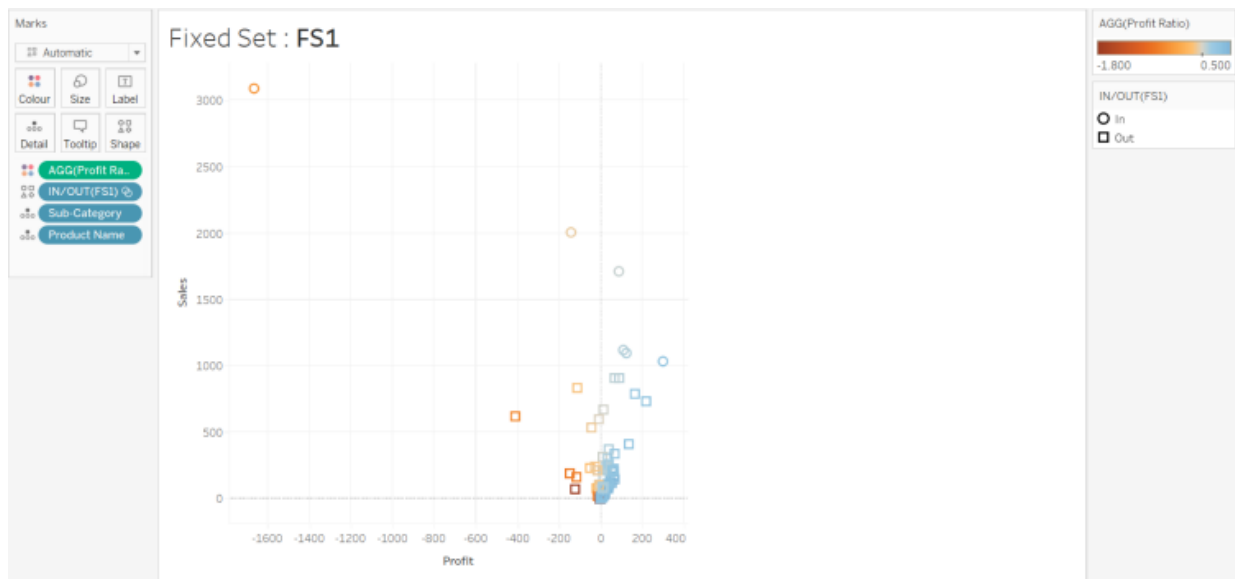


Drill down



- create a set

Fixed Set:



A FS1 fixed set is created by randomly selecting points from the above scatter chart.

FS1 Set

Edit Set [FS1] ✕

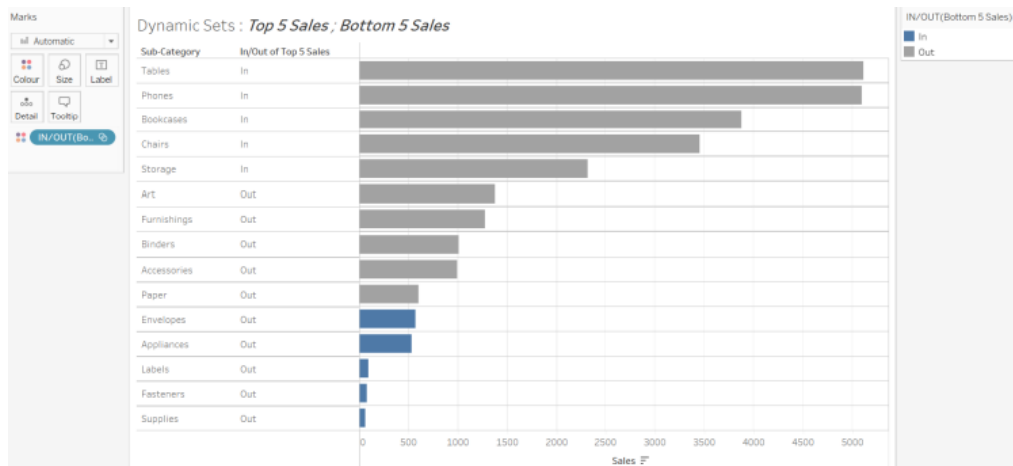
Name:

Members (6 total):

Product Name	Sub-Category
AT&T CL83451 4-Han...	Phones
Bretford CR4500 Serie...	Tables
Chromcraft Rectangul...	Tables
GE 30524EE4	Phones
Hunt BOSTON Model ...	Art
Riverside Palais Royal...	Bookcases

Separate members by AT&T CL83451 4-Handset Telephone, Phones

Dynamic set



Top 5 sales

Edit Set [Top 5 Sales]

Name: Top 5 Sales

General Condition Top

☐ Select from list ☐ Custom value list ☒ Use all

All None Exclude

Summary

Field: [Sub-Category]

Selection: All

Wildcard: All

Condition: None

Limit: Top 5 by SUM([Sales])

Reset OK Cancel Apply

Edit Set [Top 5 Sales]

Name: Top 5 Sales

General Condition Top

☐ None

☒ By field:

Top 5 by Sales Sum

☐ By formula:

Top 10 by

Reset OK Cancel Apply

Bottom 5 sales

Edit Set [Bottom 5 Sales]

Name: Bottom 5 Sales

GeneralConditionTop

Select from list

Custom value list

Use all

AllNone

☐ Exclude

Summary

Field: [Sub-Category]

Selection: All

Wildcard: All

Condition: None

Limit: Bottom 5 by SUM([Sales])

Reset

OK

Cancel

Apply

Edit Set [Bottom 5 Sales]

Name: Bottom 5 Sales

GeneralConditionTop

None

By field:

Bottom

5

by

Sales

Sum

By formula:

Top

10

by

Reset

OK

Cancel

Apply

Combined set

Marks

in Automatic

ColourSizeLabel

DetailTooltip

IN/OUT(TB Sales)

Combined Set : TB Sales

Sub-Category

5000

4500

4000

3500

3000

2500

2000

1500

1000

500

0

Tables

Phones

Bookcas...

Chairs

Storage

Art

Furnishi...

Binders

Accessor...

Paper

Envelopes

Applianc...

Labels

Fasteners

Supplies

IN/OUT(TB 5 Sales)

In


Out





Sub-Category	In (Sales)	Out (Sales)
Tables	5100	0
Phones	5100	0
Bookcases	3900	0
Chairs	3400	0
Storage	2300	0
Art	0	1300
Furniture	0	1300
Binders	0	1000
Accessories	0	1000
Paper	0	600
Envelopes	500	0
Appliances	500	0
Labels	0	100
Fasteners	0	100
Supplies	0	100

Edit Set [TB 5 Sales] ✕

Name:

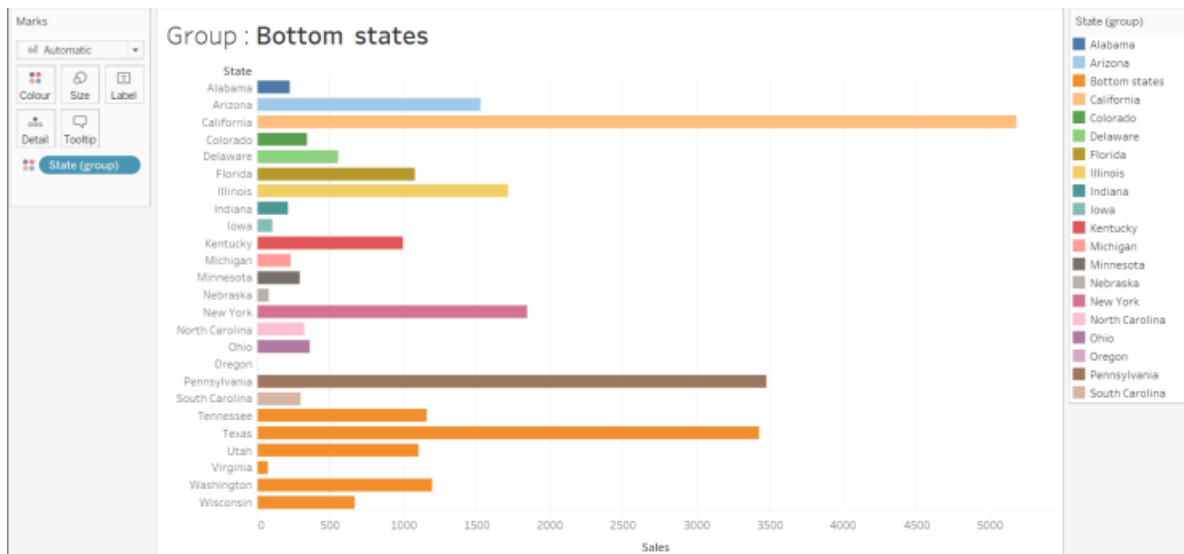
How would you like to combine the two sets?

Sets: 

☒  All members in both sets
☐  Shared members in both sets
☐  "Bottom 5 Sales" except shared members
☐  "Top 5 Sales" except shared members

Separate members by East, Green Tea, 2012

- create a group



A Bottom States group is created by the last 6 states in alphabetical order.

Bottom States

Create Group [State] X

Field Name: State (group)

Groups: Add to: [dropdown]

- Delaware
- Florida
- Illinois
- Indiana
- Iowa
- Kentucky
- Michigan
- Minnesota
- Nebraska
- New York
- North Carolina
- Ohio
- Oregon
- Pennsylvania
- South Carolina
- Bottom States (selected)
- Tennessee
- Texas
- Utah
- Virginia
- Washington
- Wisconsin

Group Rename Ungroup ☒ Show Add Location

☐ Include 'Other' Find >>

Reset OK Cancel Apply

Submitted by

Name: V Rohan

Reg no: 20BCB7063