VIT Smart Bridge Externship – Data Analytics

Week-2 Assignment

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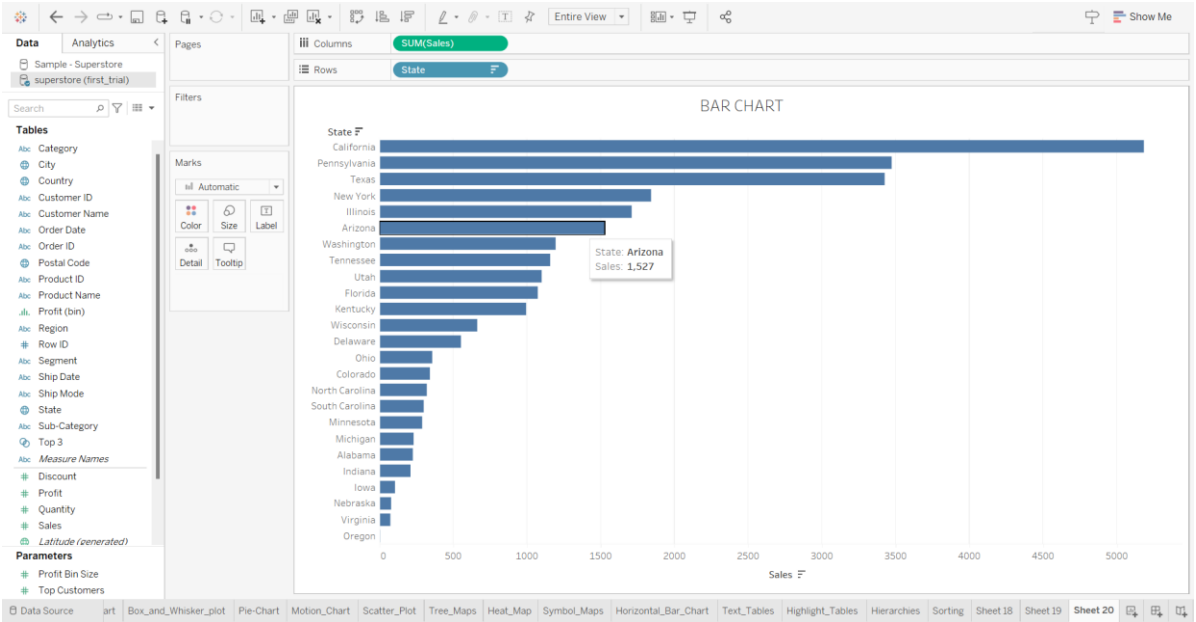
Question:

1) Create any 7 data visualizations/charts and perform the following
2) Apply dimension filter, context and measure filter on any of the three visualizations
3) Perform the following data manipulations on your dataset
   - Create a Hierarchy
   - Create a Set
   - Create a Group

Answer:

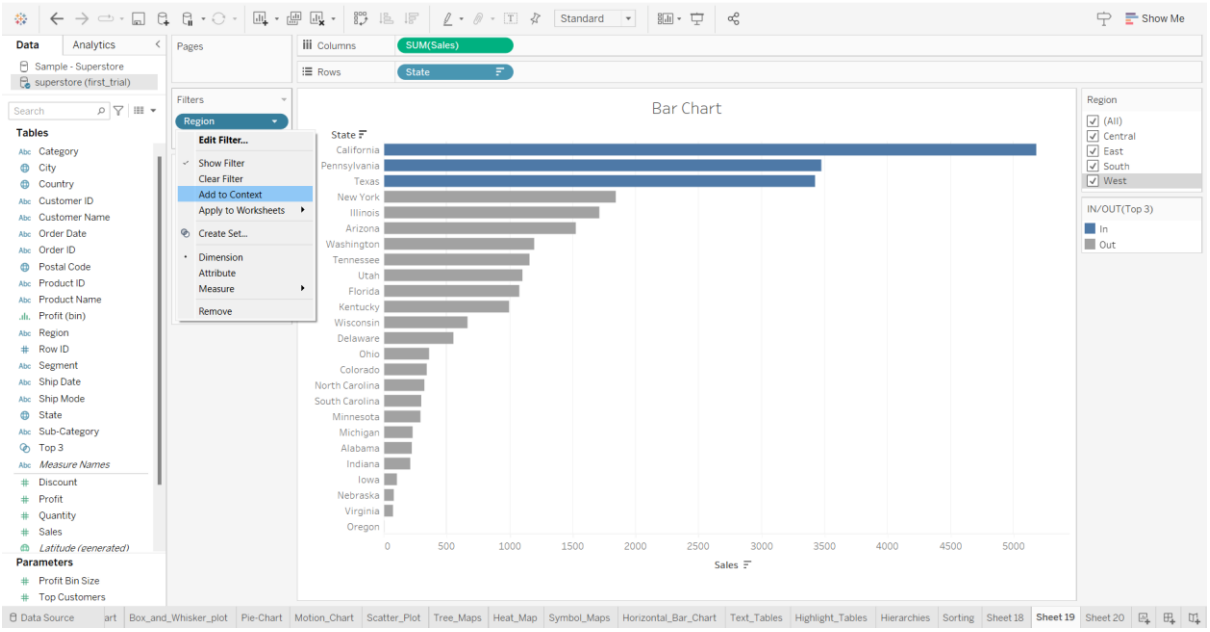
1) Create any 7 data visualizations/charts and perform the following
2) Apply dimension filter, context and measure filter on any of the three visualizations

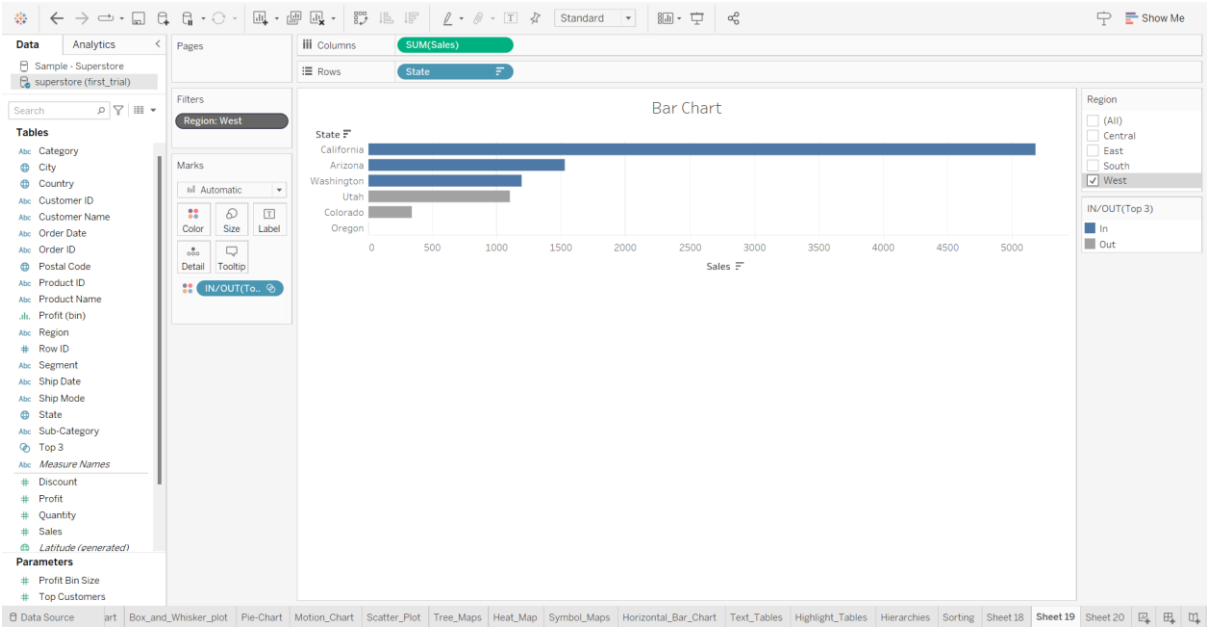
Bar Chart:

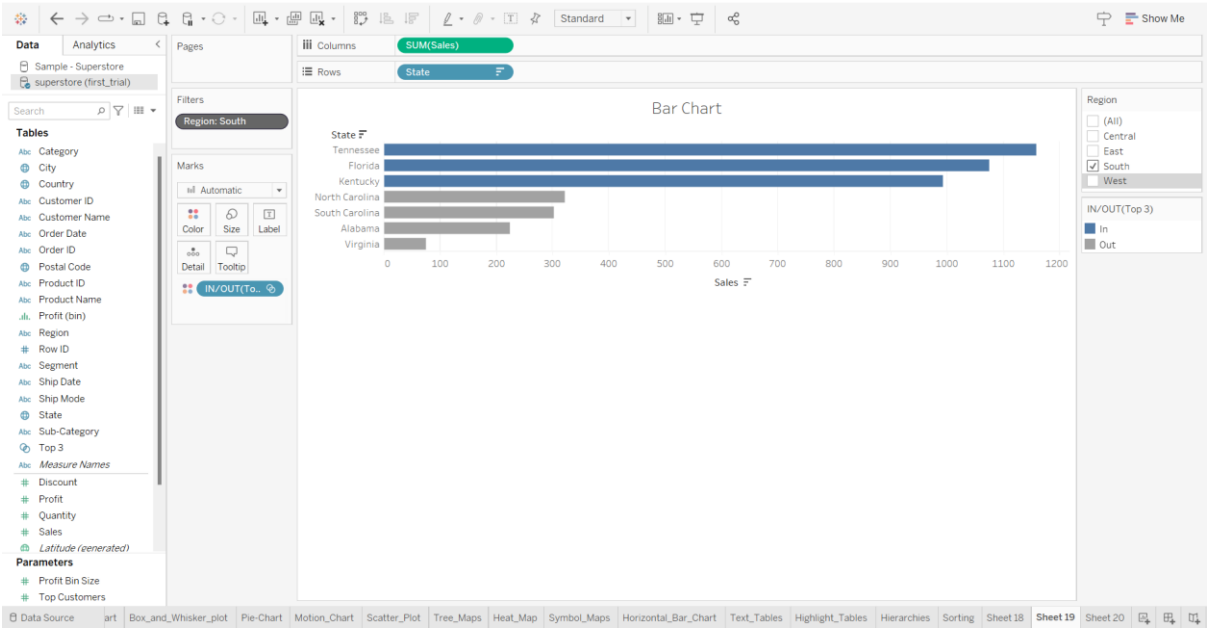


Context Filtering:

Filtering top 3 states based on region using context filtering.

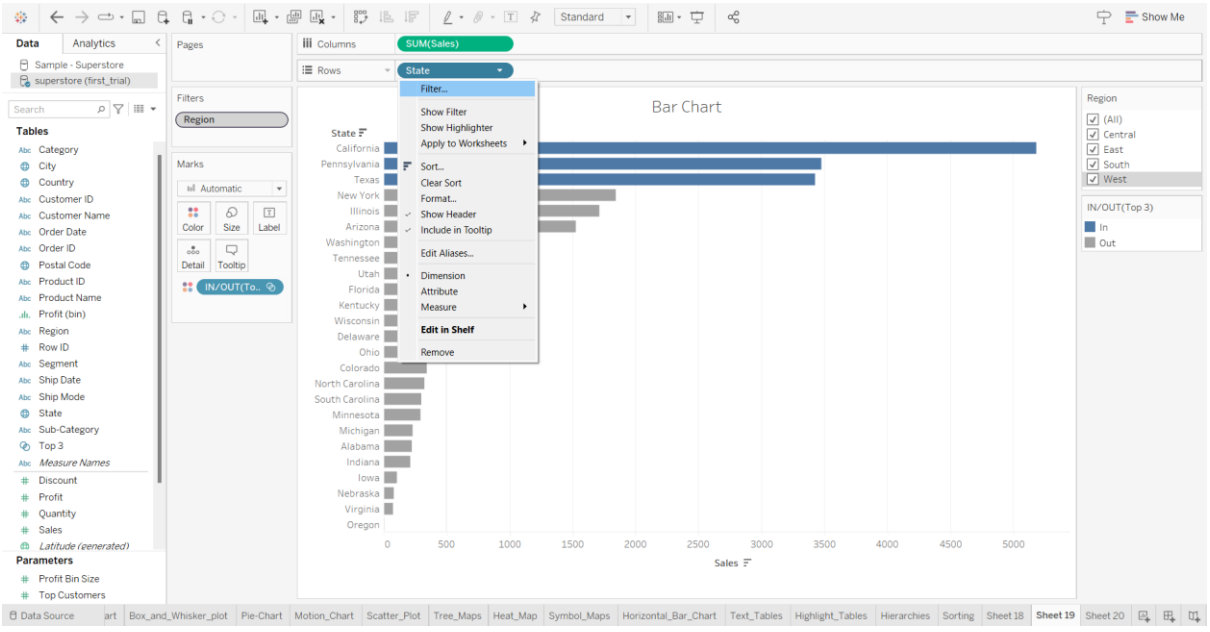


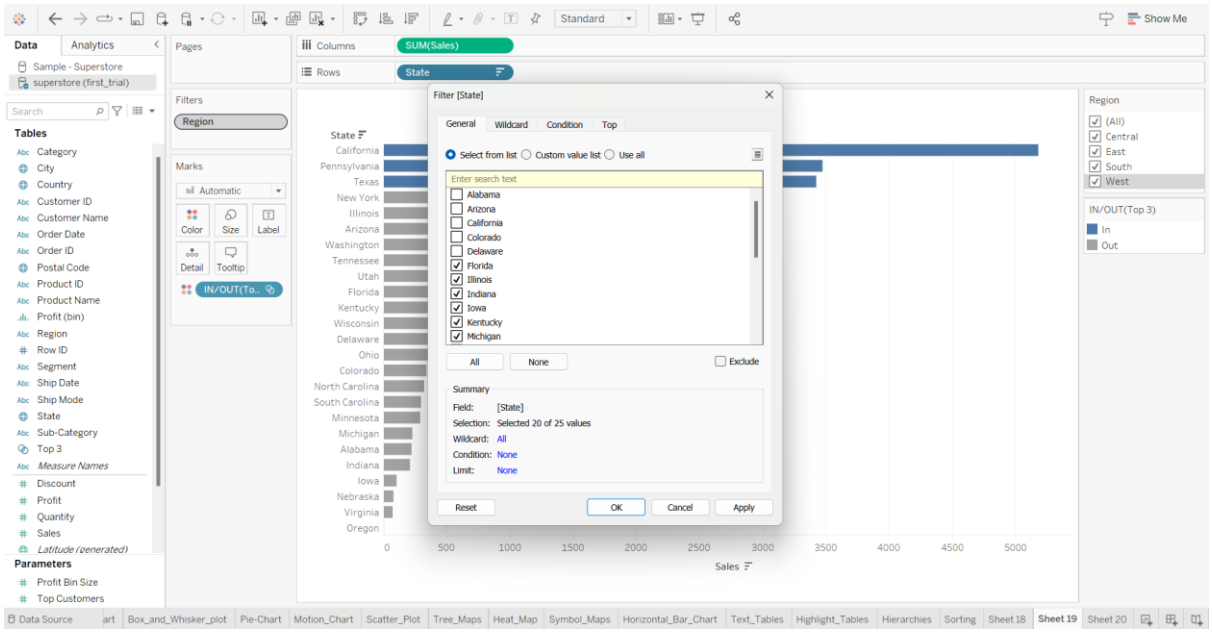


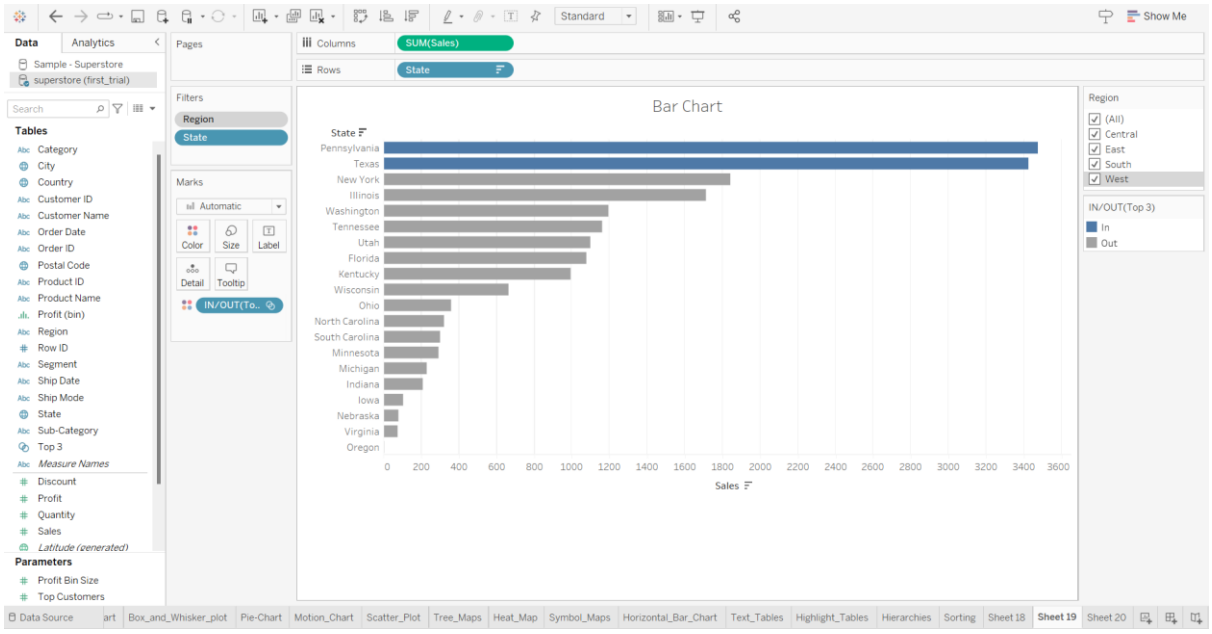


Dimension Filtering:

Filtering out a few States.

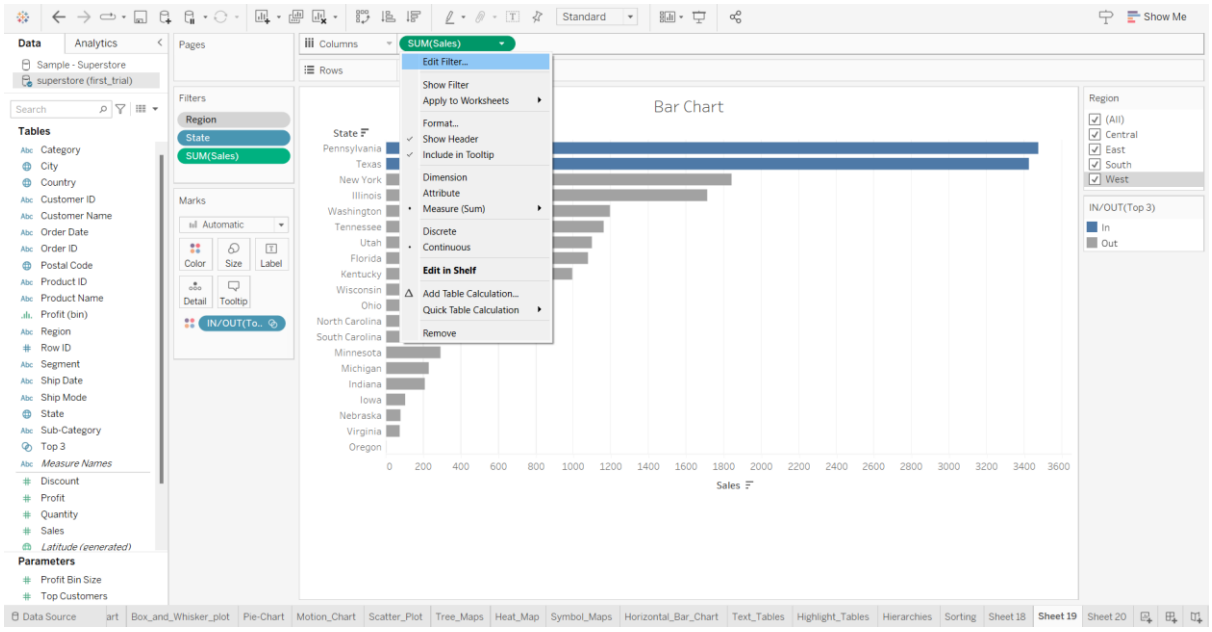


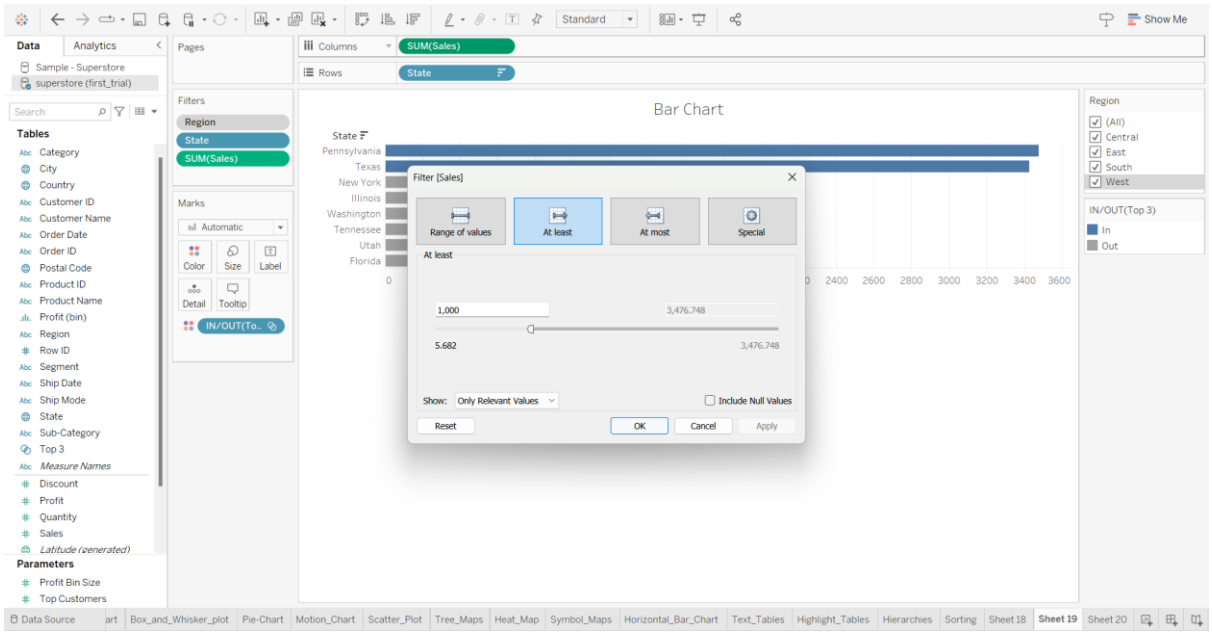

Standard
Show Me
Data
Analytics
Sample - Superstore
superstore (first_trial)
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Top 3
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Region
Marks
Automatic
Color
Size
Label
Detail
Tooltip
IN/OUT(To..
Columns
SUM(Sales)
Rows
State
Filter [State]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Alabama
Arizona
California
Colorado
Delaware
Florida
Illinois
Indiana
Iowa
Kentucky
Michigan
All
None
Exclude
Summary
Field: [State]
Selection: Selected 20 of 25 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
State
California
Pennsylvania
Texas
New York
Illinois
Arizona
Washington
Tennessee
Utah
Florida
Kentucky
Wisconsin
Delaware
Ohio
Colorado
North Carolina
South Carolina
Minnesota
Michigan
Alabama
Indiana
Iowa
Nebraska
Virginia
Oregon
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
Sales
Region
(All)
Central
East
South
West
IN/OUT(Top 3)
In
Out
Data Source
Box_and_Whisker_plot
Pie-Chart
Motion_Chart
Scatter_Plot
Tree_Maps
Heat_Map
Symbol_Maps
Horizontal_Bar_Chart
Text_Tables
Highlight_Tables
Hierarchies
Sorting
Sheet 18
Sheet 19
Sheet 20

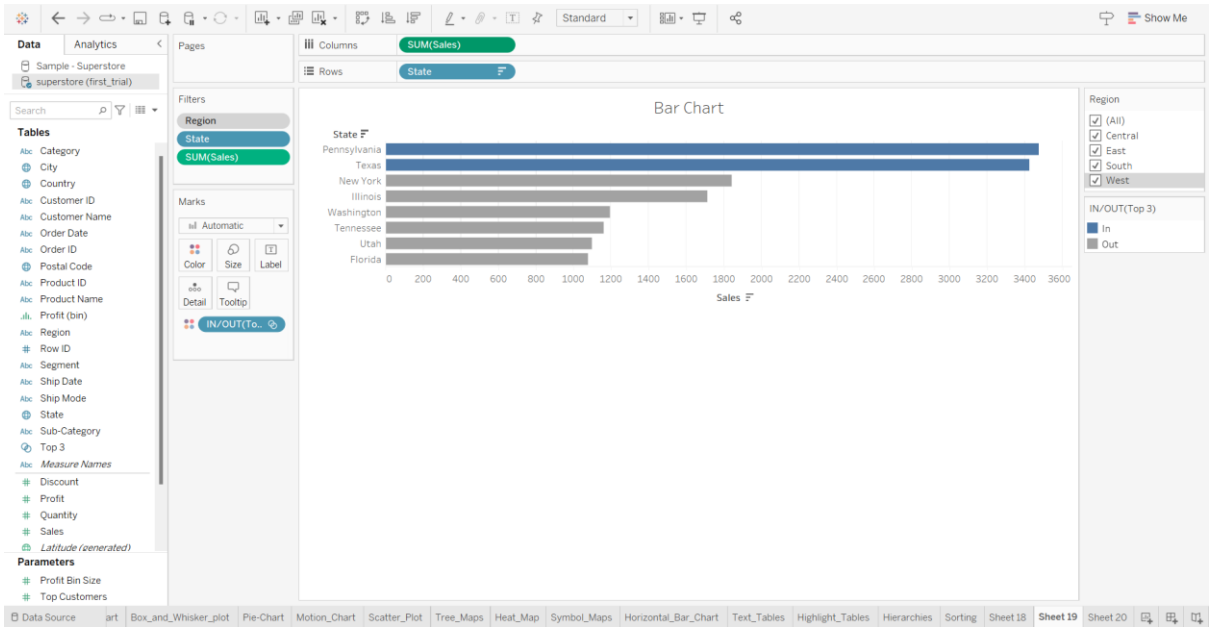

Standard
Show Me
Data
Analytics
Sample - Superstore
superstore (first_trial)
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Top 3
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Region
State
Marks
Automatic
Color
Size
Label
Detail
Tooltip
IN/OUT(To..
Columns
SUM(Sales)
Rows
State
Bar Chart
State
Pennsylvania
Texas
New York
Illinois
Washington
Tennessee
Utah
Florida
Kentucky
Wisconsin
Ohio
North Carolina
South Carolina
Minnesota
Michigan
Indiana
Iowa
Nebraska
Virginia
Oregon
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
Sales
Region
(All)
Central
East
South
West
IN/OUT(Top 3)
In
Out
Data Source
Box_and_Whisker_plot
Pie-Chart
Motion_Chart
Scatter_Plot
Tree_Maps
Heat_Map
Symbol_Maps
Horizontal_Bar_Chart
Text_Tables
Highlight_Tables
Hierarchies
Sorting
Sheet 18
Sheet 19
Sheet 20

Measure Filtering:

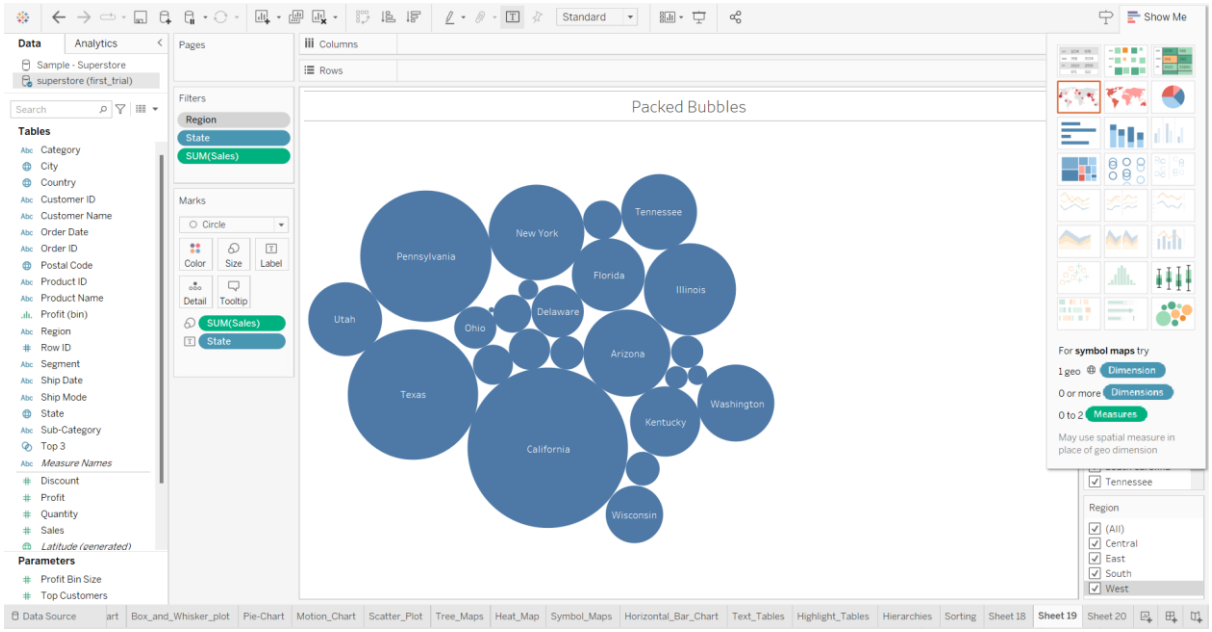
Finding the sales in a desired region. Here we want sum of sales to be at least 1000.



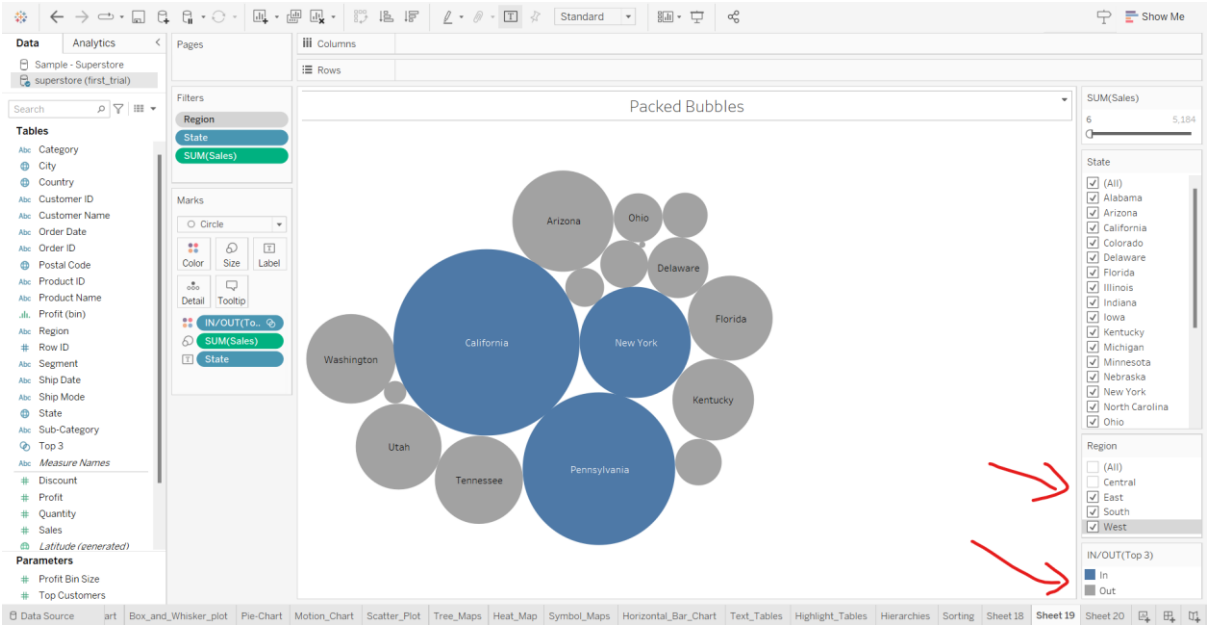




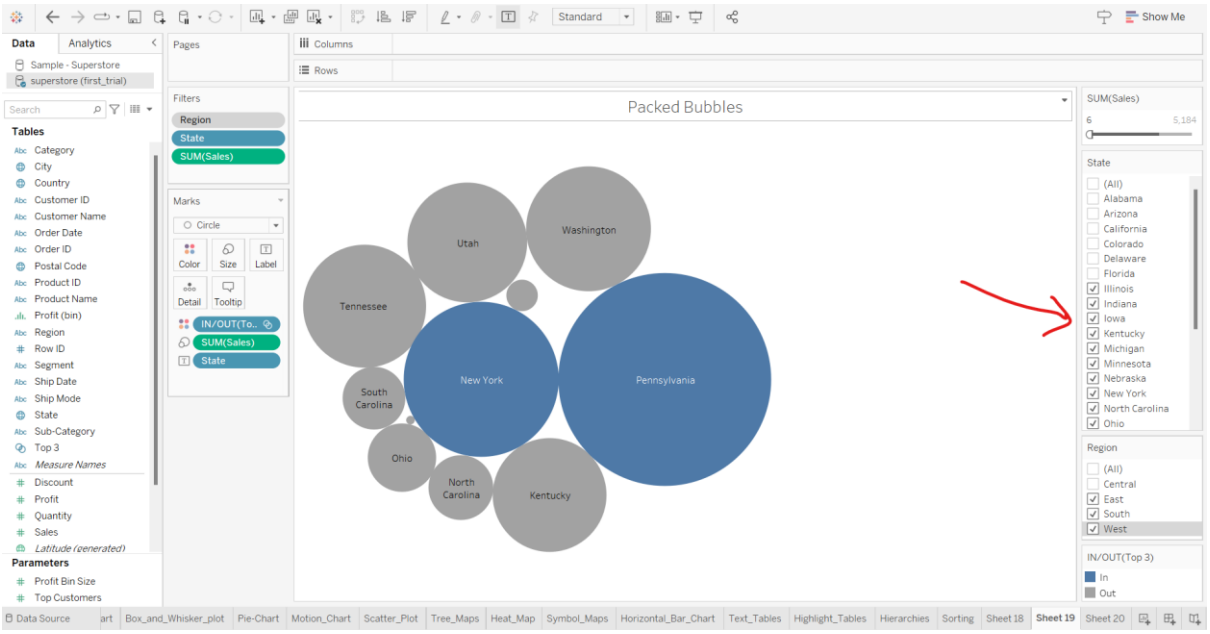
Packed bubbles:



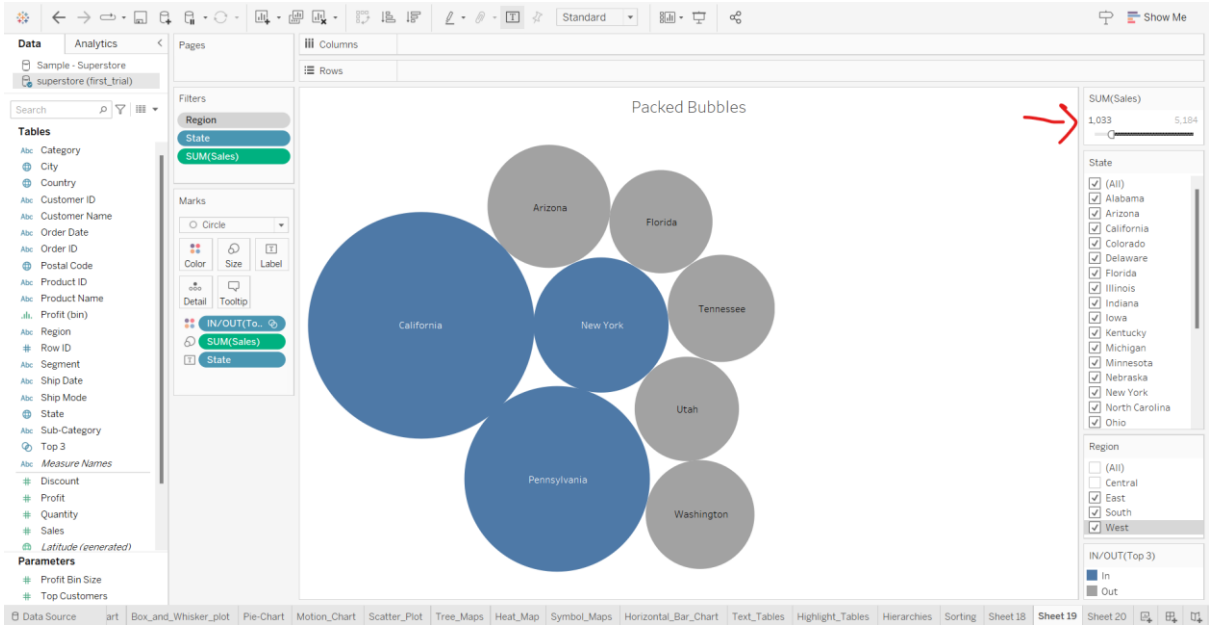
Context Filtering:



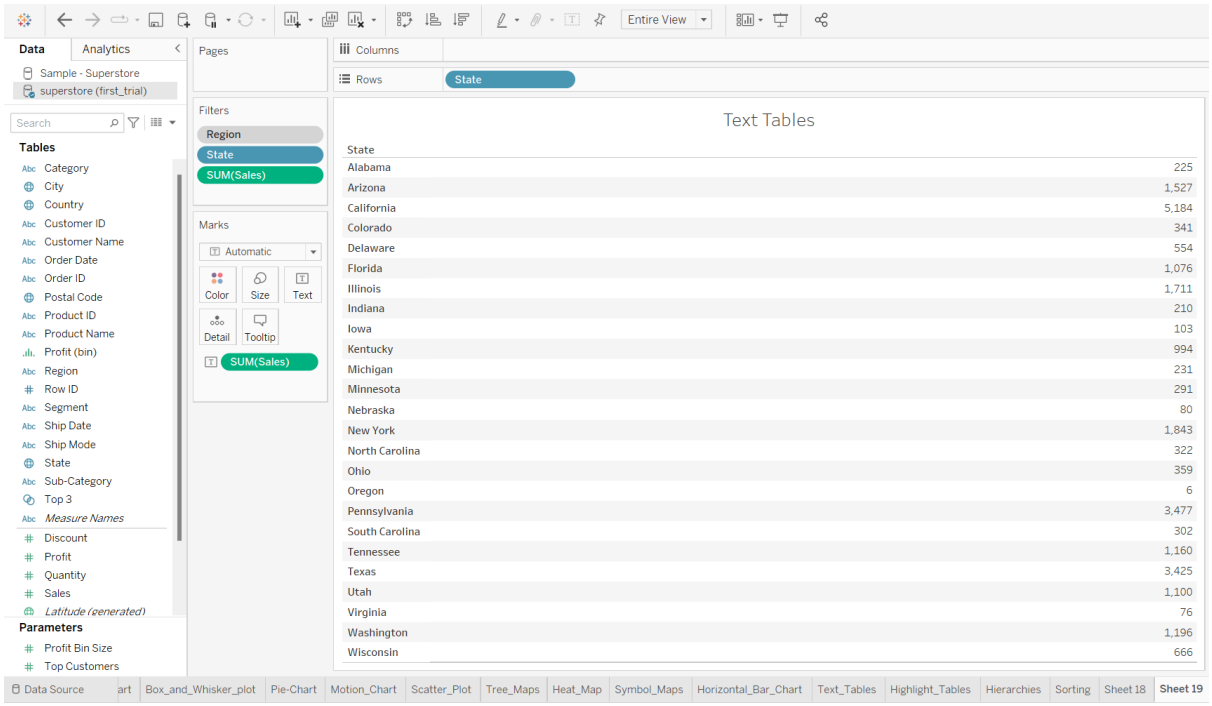
Dimension Filtering:



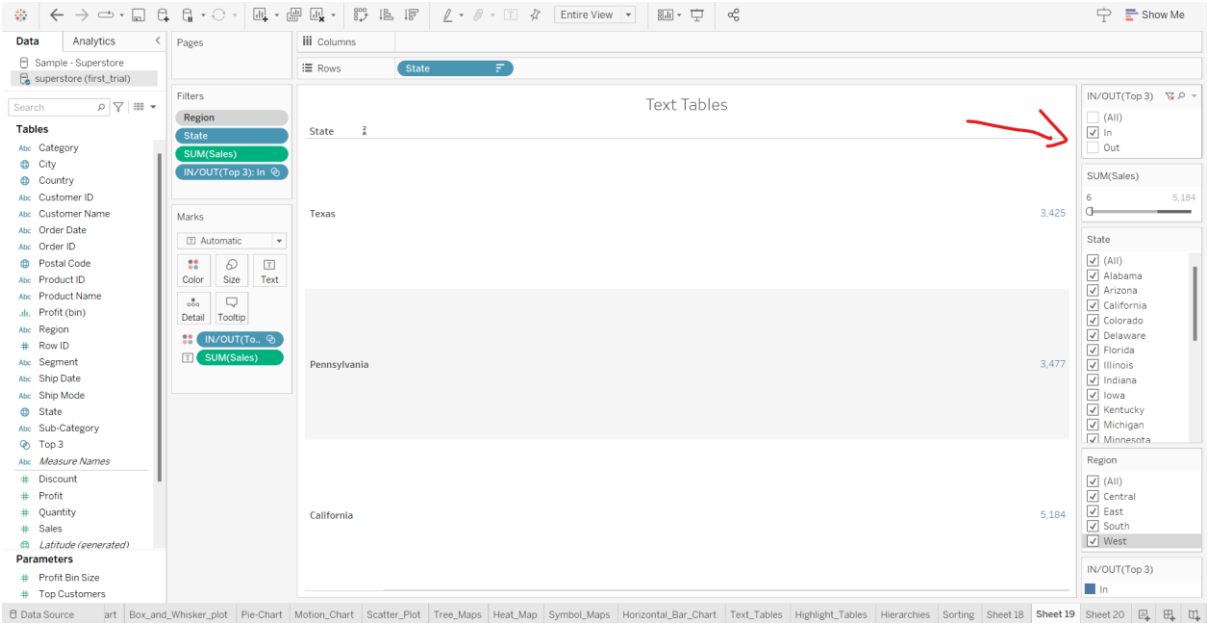
Measure Filtering:



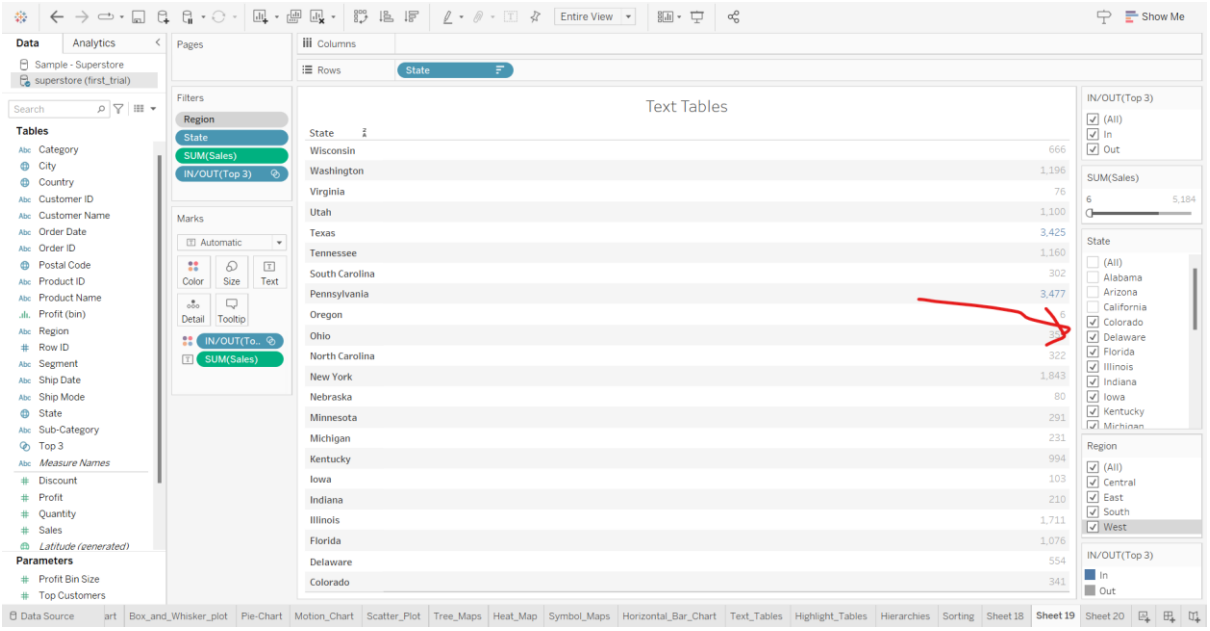
Text Tables:



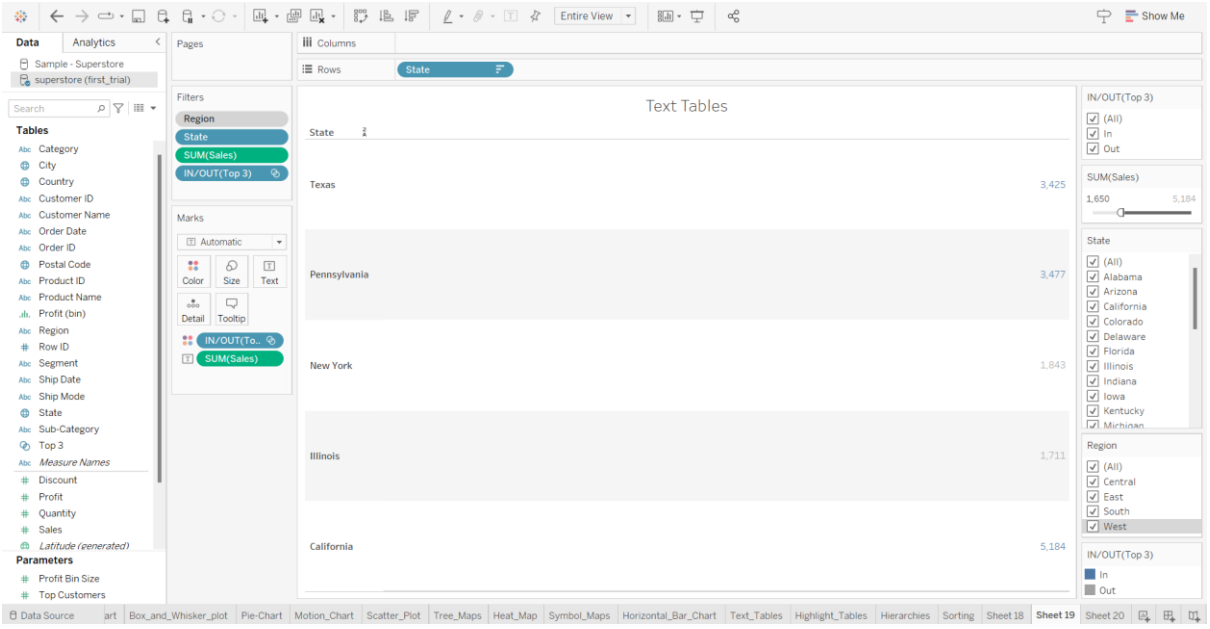
Context Filtering:



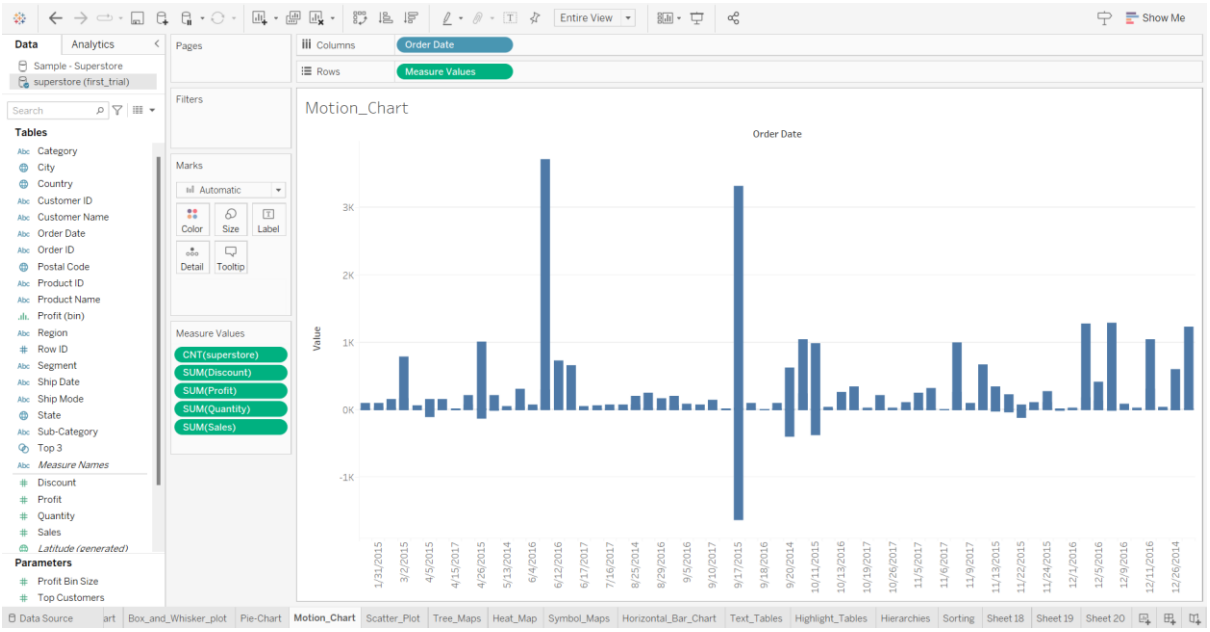
Dimension Filtering:



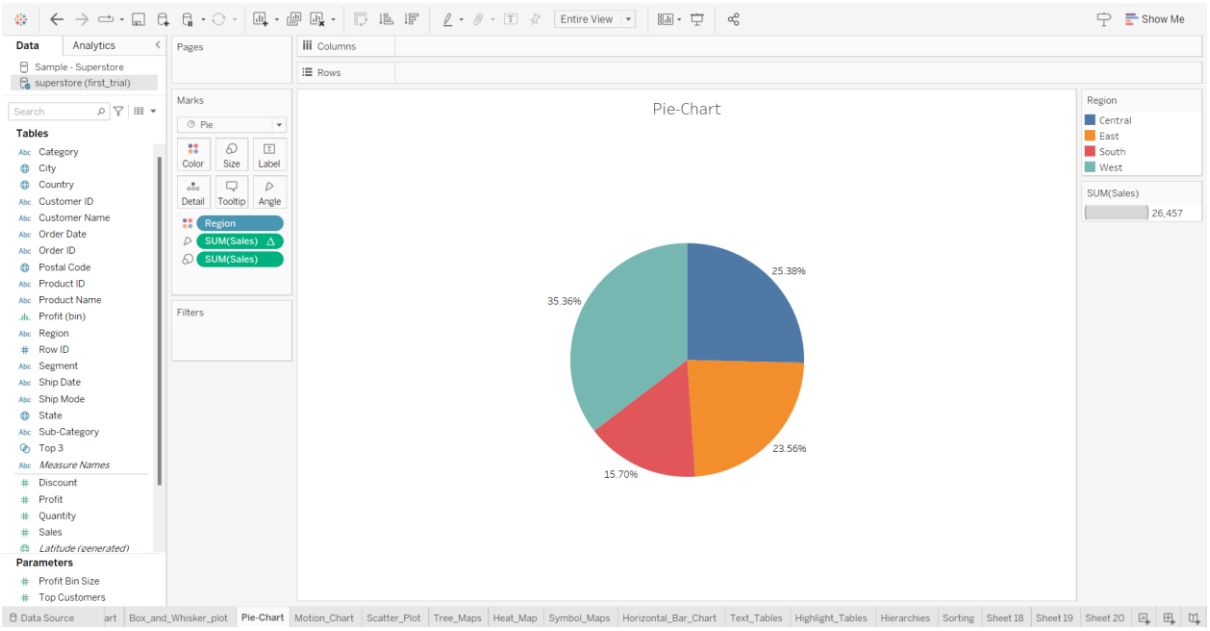
Measure Filtering:



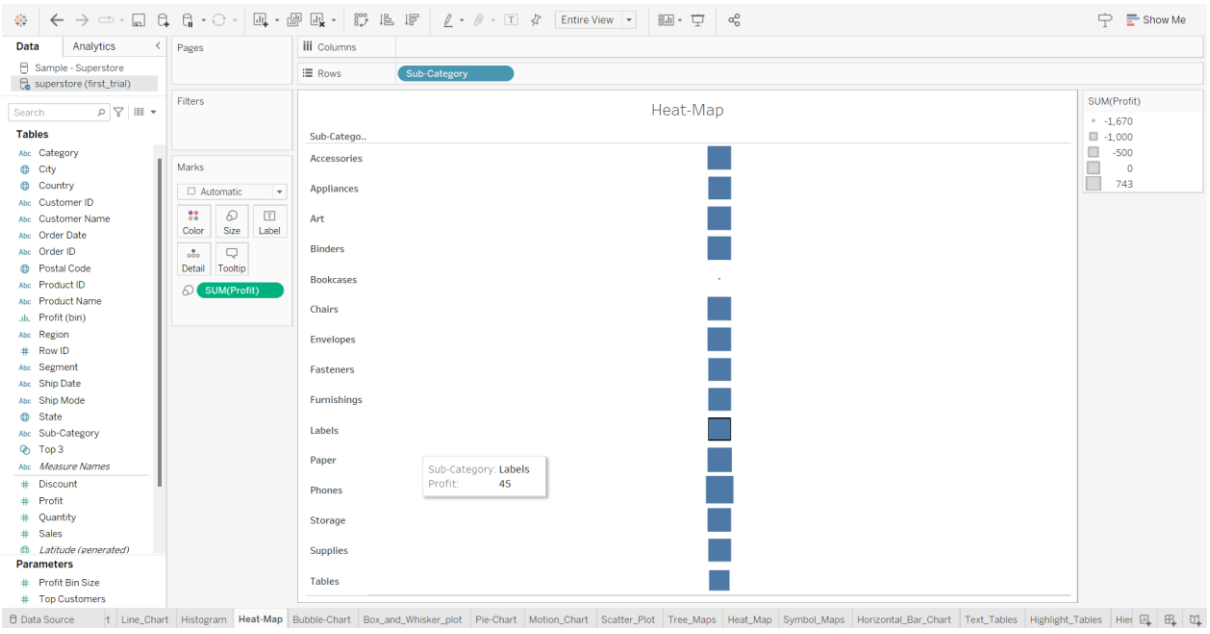
Motion chart:



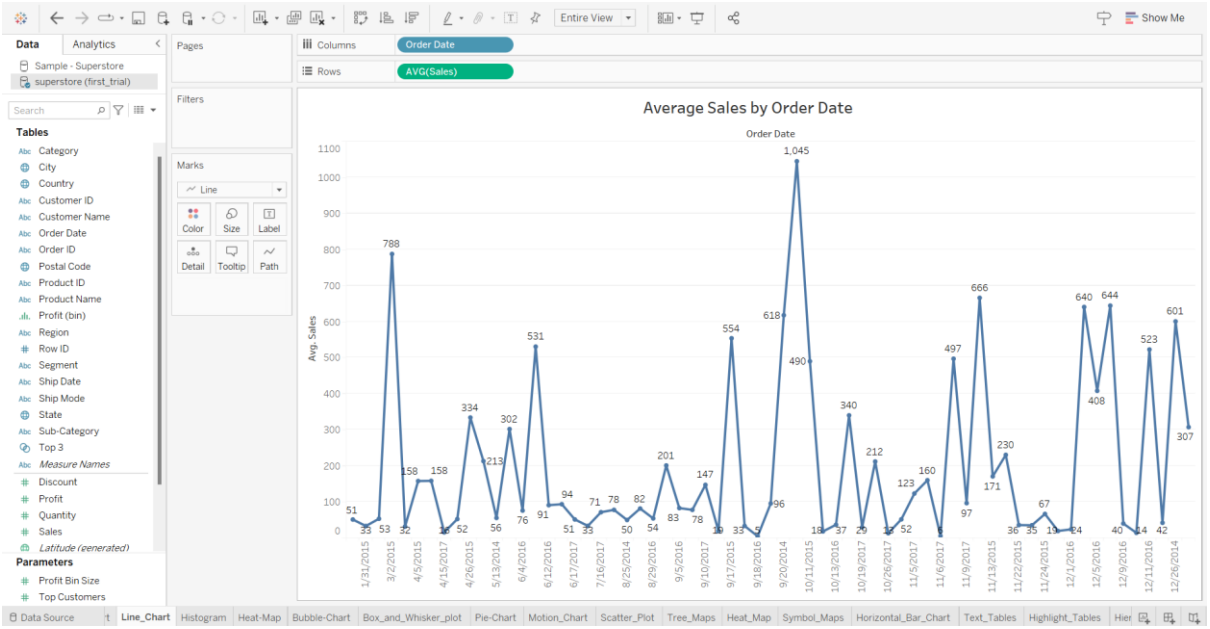
Pie Chart:



Heat Map:

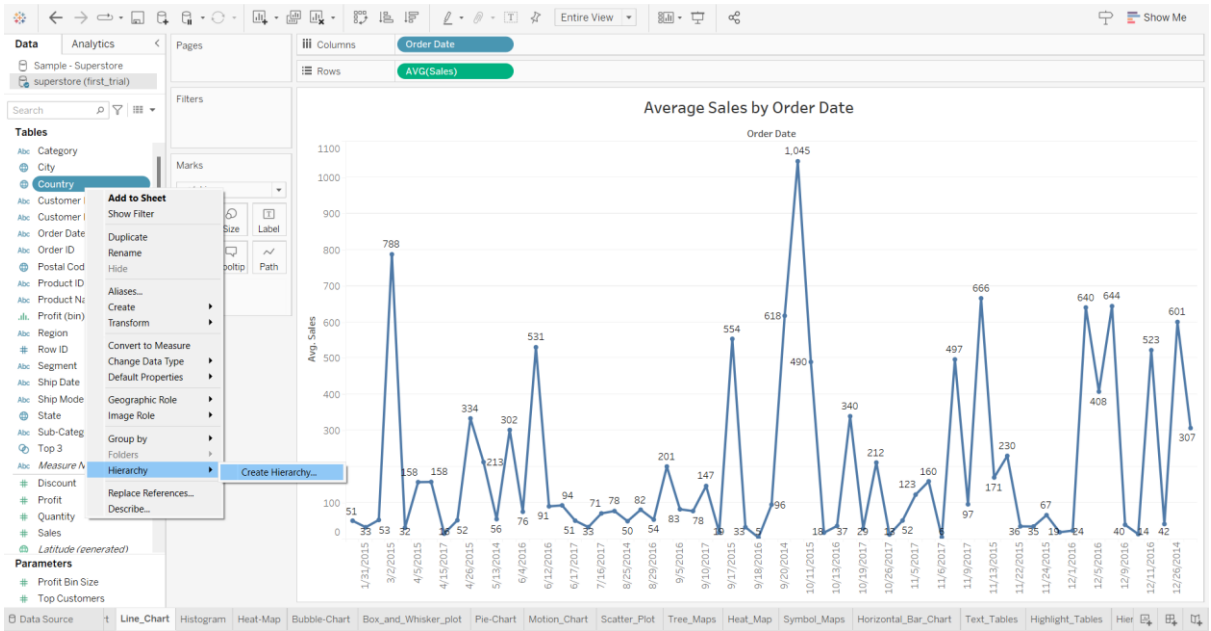


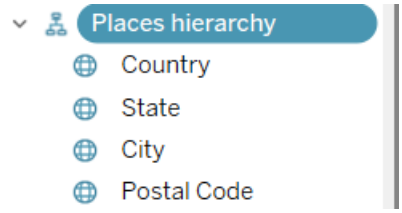
Line Chart:

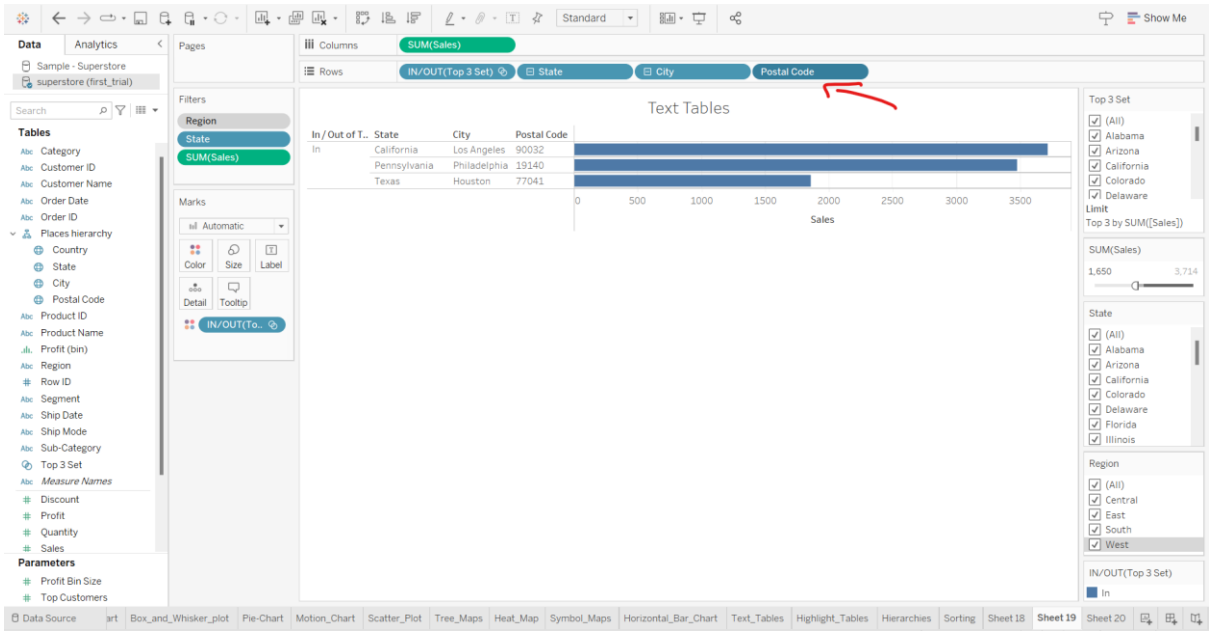


3) Perform the following data manipulations on your dataset
   - Create a Hierarchy
   - Create a Set
   - Create a Group

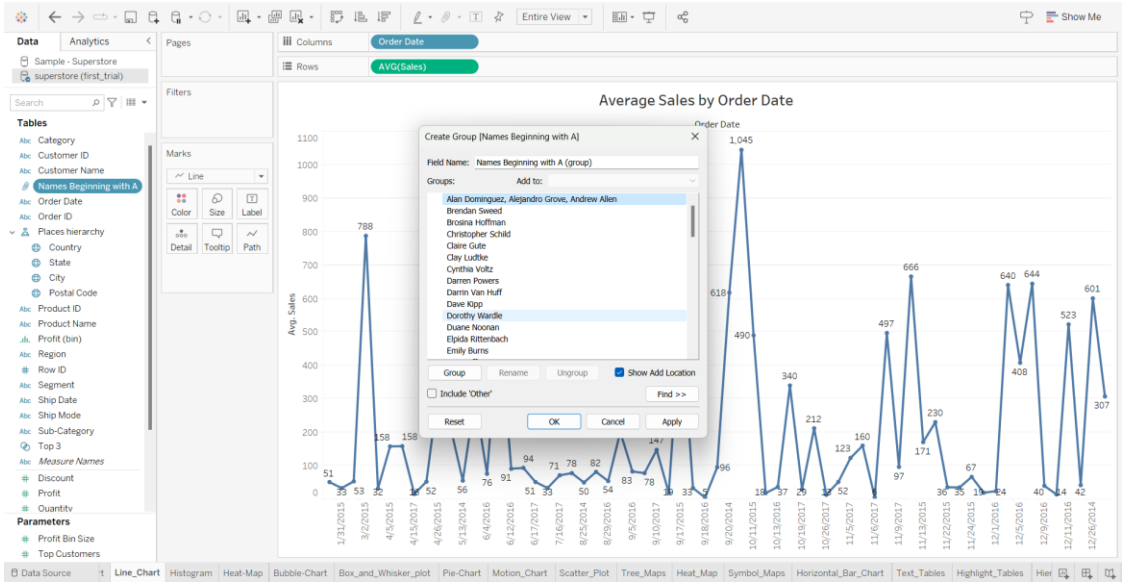
Hierarchy:





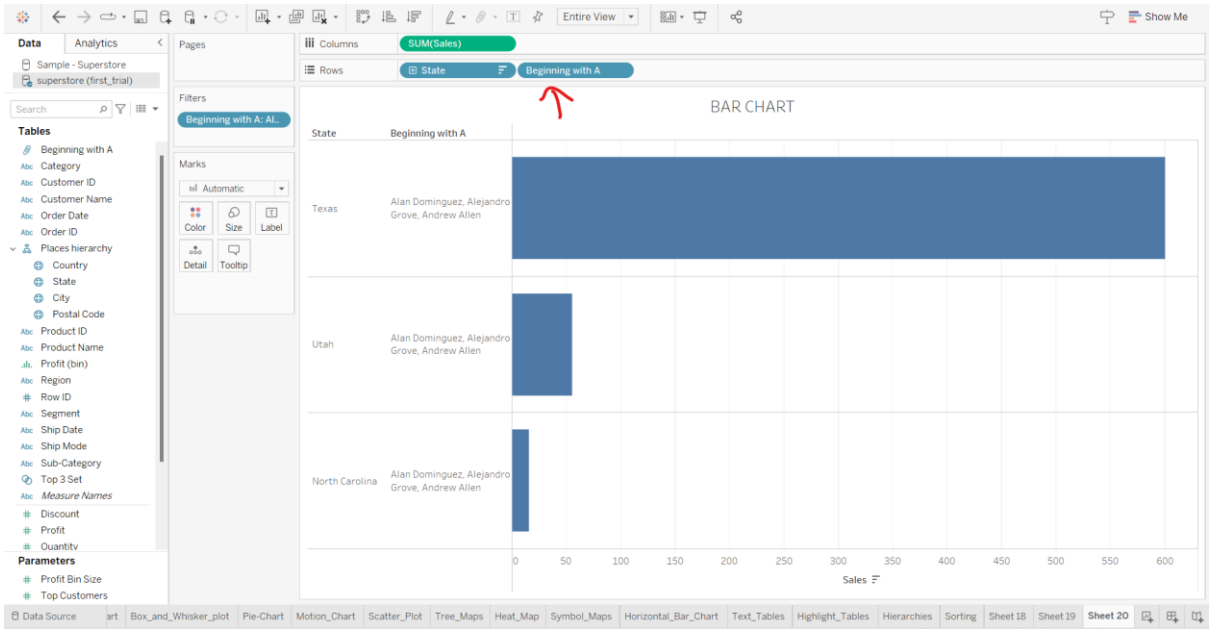


Group:

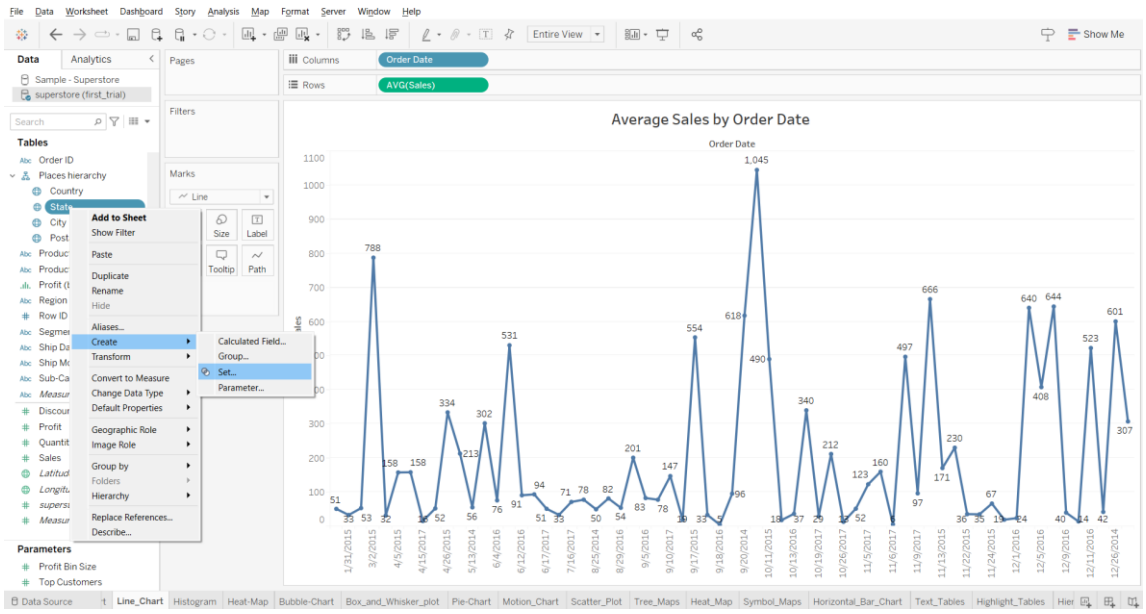


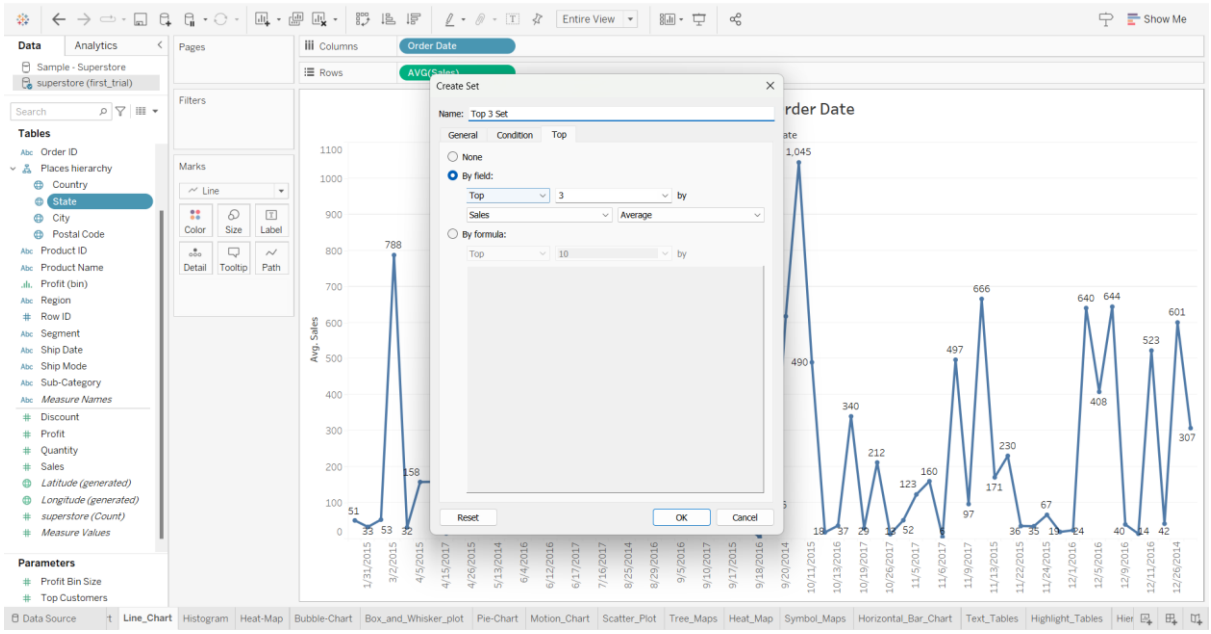
Abc Customer Name

Names Beginning with A

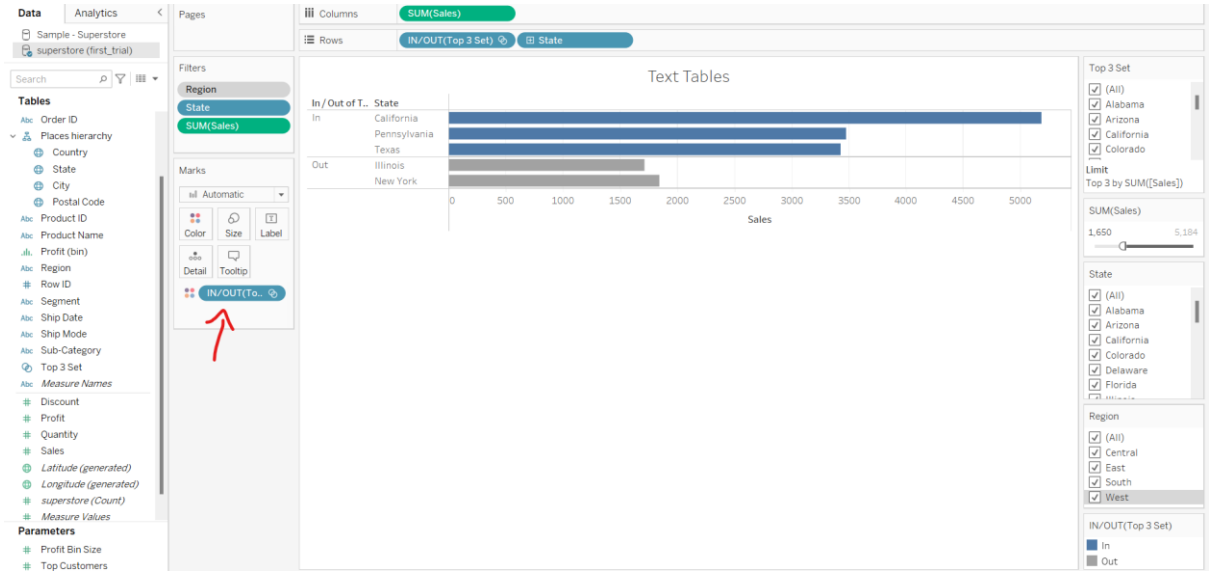

Entire View
Show Me
Data
Analytics
Pages
Columns
SUM(Sales)
Rows
State
Beginning with A
Filters
Beginning with A: Al..
Marks
Automatic
Color
Size
Label
Detail
Tooltip
BAR CHART
State
Beginning with A
Texas
Utah
North Carolina
Alan Dominguez, Alejandro Grove, Andrew Allen
0
50
100
150
200
250
300
350
400
450
500
550
600
Sales

Set:


File
Data
Worksheet
Dashboard
Story
Analysis
Map
Format
Server
Window
Help
Entire View
Show Me
Data
Analytics
Pages
Columns
Order Date
Rows
AVG(Sales)
Filters
Marks
Line
Average Sales by Order Date
Order Date
Add to Sheet
Show Filter
Paste
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...
Parameters
Profit Bin Size
Top Customers


Create Set
Name: Top 3 Set
General
Condition
Top
None
By field:
Top
3
by
Sales
Average
By formula:
Reset
OK
Cancel
Order Date
Avg. Sales


Top 3 Set


Text Tables
In / Out of T..
State
In
California
Pennsylvania
Texas
Out
Illinois
New York
Sales
Top 3 Set
Limit
Top 3 by SUM([Sales])
SUM(Sales)
State
Region
IN/OUT(Top 3 Set)