## SMARTBRIDGE DATA ANALYTICS EXTERNSHIP PROGRAM

ASSIGNMENT - 2 (26th May 2023)

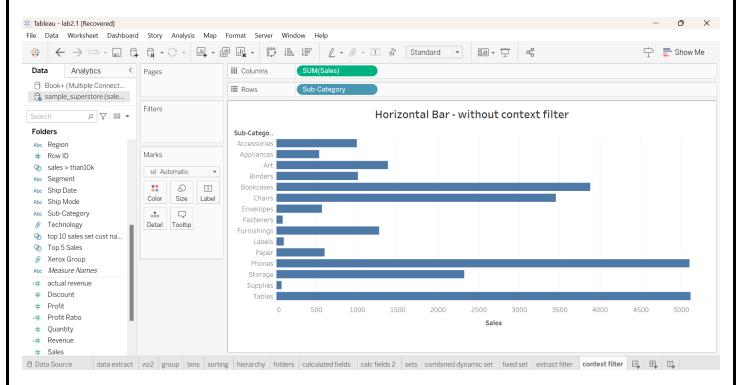
BY JIYA GARG (20BCT0287)

(jiya.garg2020@vitstudent.ac.in)

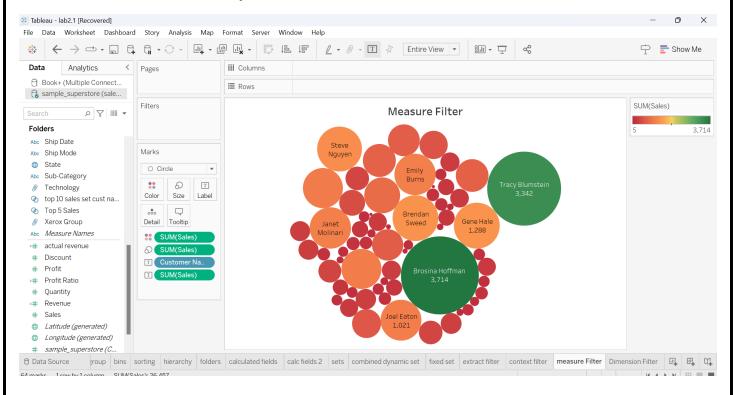
**Dataset Used:** Sample Superstore Sales Dataset

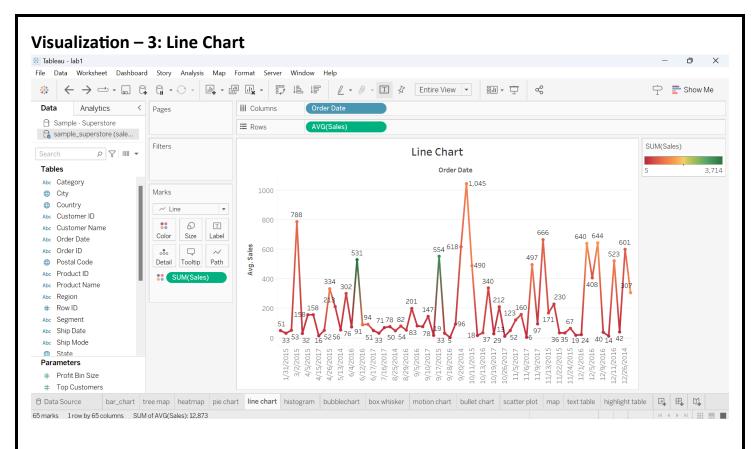
1. Create any 7 data visualizations/charts and perform the following:

### **Visualization – 1: Horizontal Bar Chart**

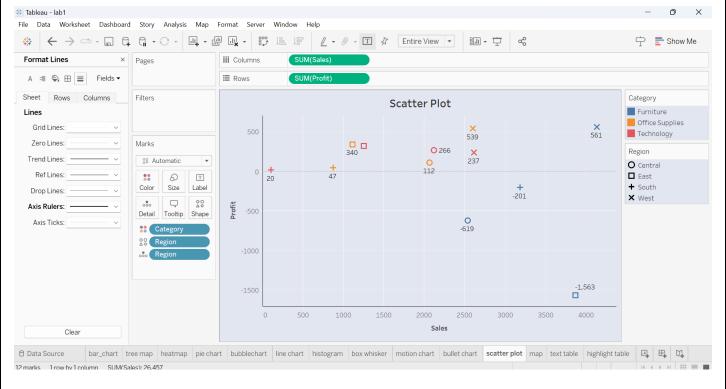


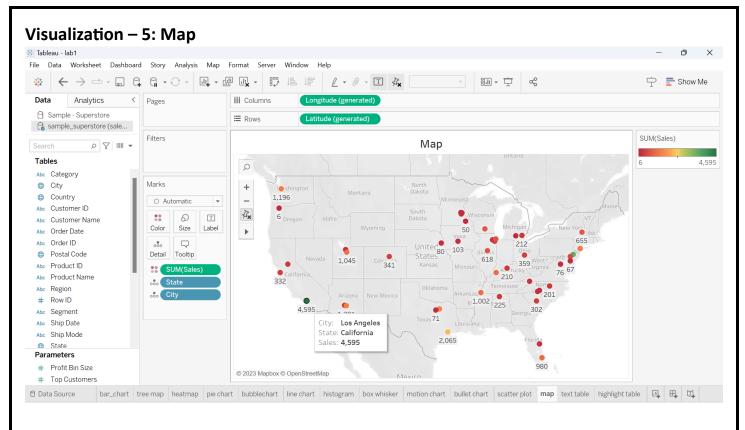
### Visualization – 2: Bubble Map



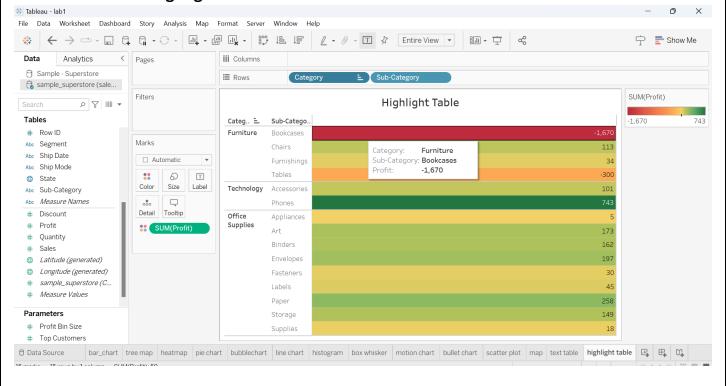


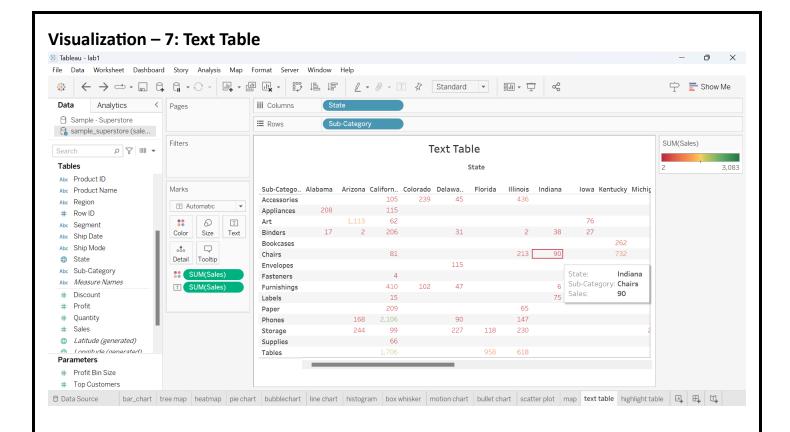
### Visualization - 4: Scatter Plot





## Visualization - 6: Highlight Table

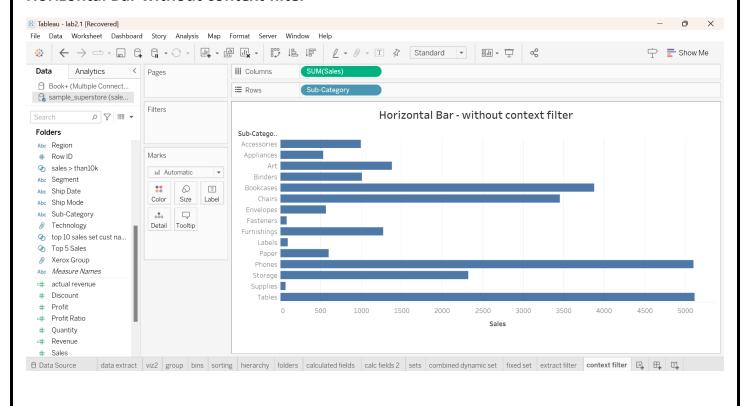




# 2. Apply dimension filter, context and measure filter on any of the three Visualizations

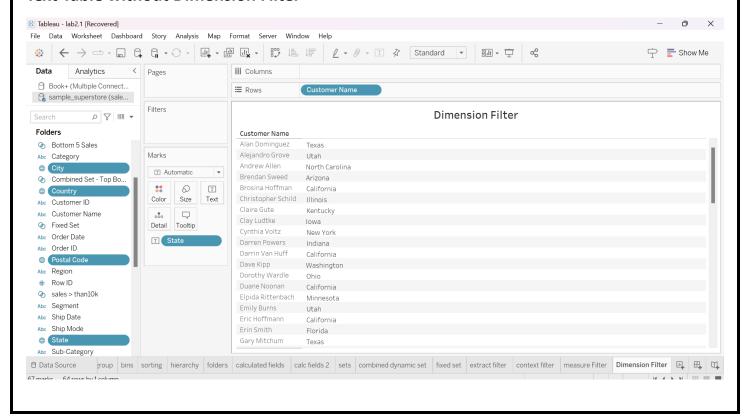
### Context Filter

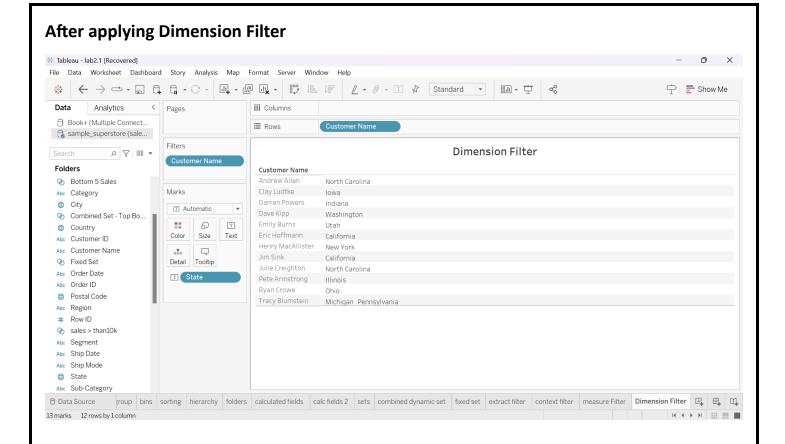
### Horizontal Bar without context filter



#### After applying context filter: Tableau - lab2.1 [Recovered] File Data Worksheet Dashboard Story Analysis Map Format Server Window Help → Show Me Data Analytics < III Columns SUM(Sales) P Book+ (Multiple Connect... **≡** Rows ample\_superstore (sale... Filters Horizontal Bar - with context filter ρ γ III ▼ Search Category: Furniture Folders Sub-C.. = Bottom 5 Sales Tables Furniture Abc Category Bookcases Furniture Marks Ombined Set - Top Bo... Chairs Furniture Abc Customer ID 10 Automatic Furnishings Furniture Abc Customer Name 500 1000 3500 4000 5000 60 T Fixed Set Color Size Sales Location\_Hierarchy 000 $\Box$ Abc Order Date Detail Tooltip Abc Order ID Abc Region T Category # Row ID sales > than10k # Tableau - lab2.1 [Recovered] File Data Worksheet Dashboard Story Analysis Map Format Server Window Help ➡ Show Me SUM(Sales) Analytics iii Columns P Book+ (Multiple Connect **≡** Rows Sub-Category 🗜 ample\_superstore (sale... Filters Horizontal Bar - with context filter ρ γ III ▼ Category: Office Sup.. Sub-C.. \mp Bottom 5 Sales Storage Office Supplies Abc Category Art Office Supplies Marks Ombined Set - Top Bo... Binders | Office Supplies Abc Customer ID ₪ Automatic Paper Office Supplies Abc Customer Name Office Supplies Envelopes •• 0 T Fixed Set Office Supplies Appliances Color Size Label Labels Office Supplies > 🙎 Location\_Hierarchy ... Fasteners Office Supplies Abc Order Date Detail Tooltip Supplies Office Supplies Abc Order ID T Category Abc Region 0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 # Row ID Dimension Filter

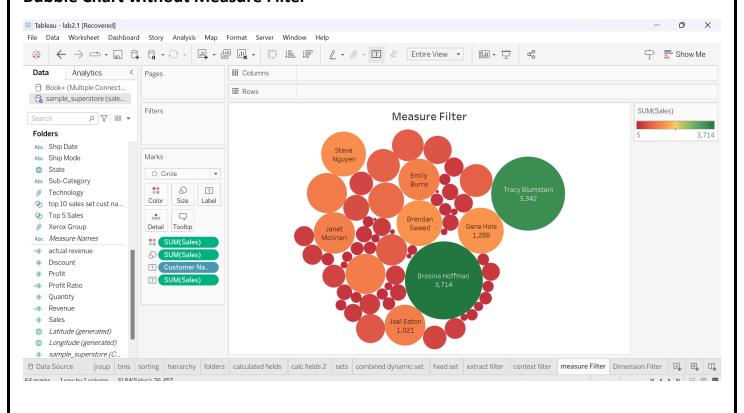
### **Text Table without Dimension Filter**

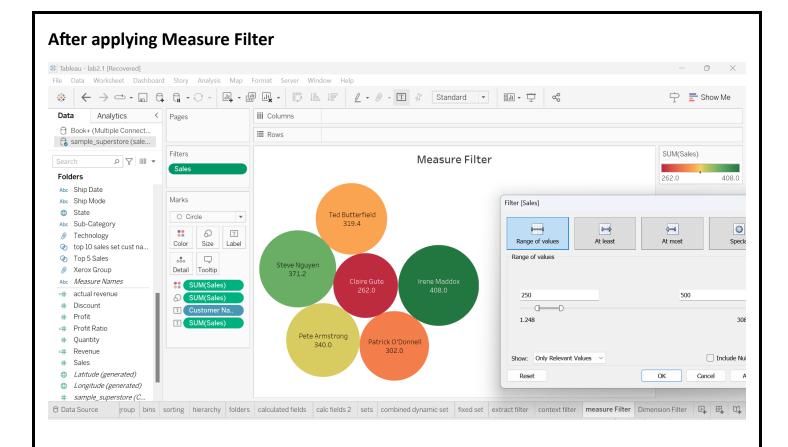




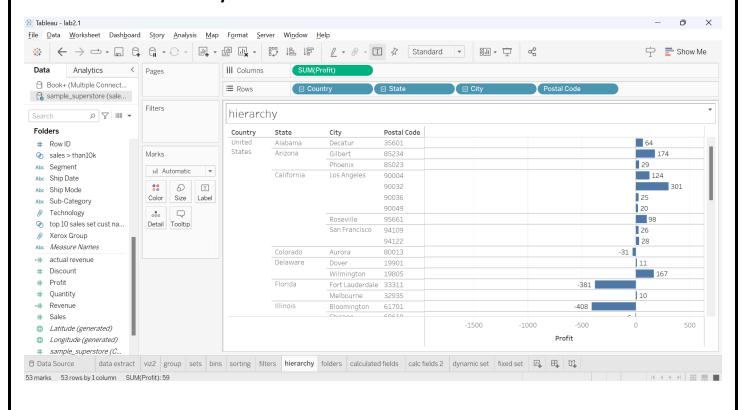
### Measure Filter

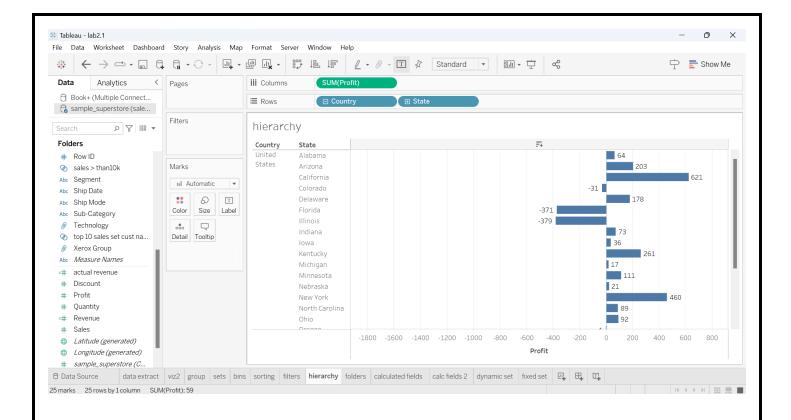
### **Bubble Chart without Measure Filter**





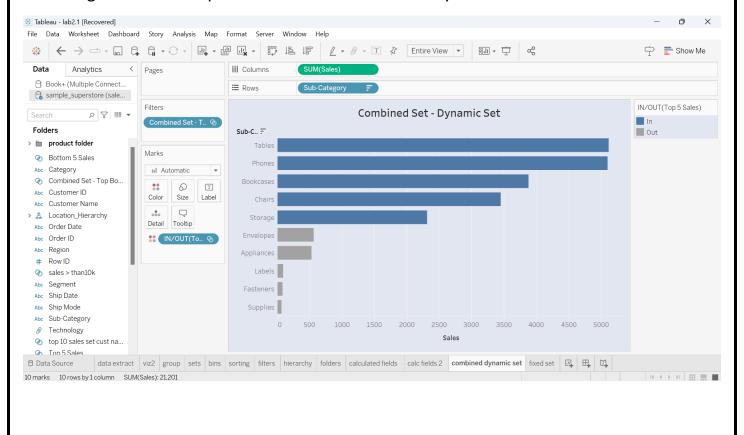
# 3. Perform the following data manipulations on your datasetcreate a Hierarchy



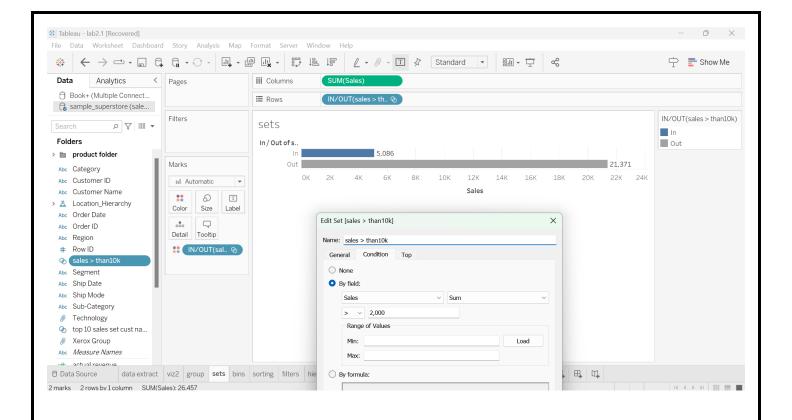


### create a set

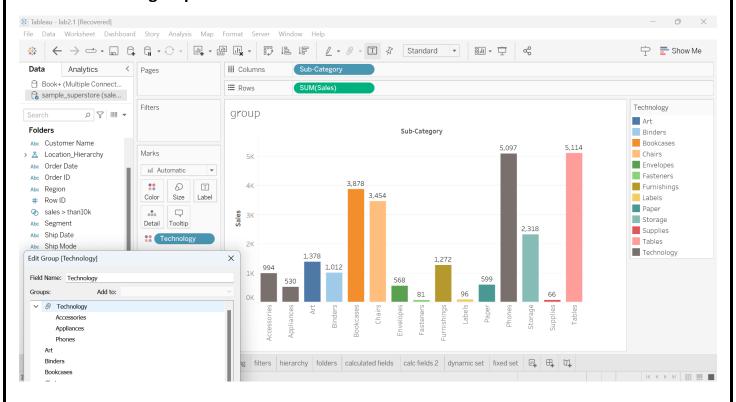
Following set is about top 5 and bottom 5 sales. It is a Dynamic Set.



#### **Fixed Set** # Tableau - lab2.1 [Recovered] o × File Data Worksheet Dashboard Story Analysis Map Format Server Window Help 宁 📑 Show Me Data III Columns Analytics P Book+ (Multiple Connect... Rows ample\_superstore (sale... Filters AGG(Profit Ratio) Fixed Set o 7 III ▼ Search Folders 0 Abc Category 3000 IN/OUT(Fixed Set) Ombined Set - Top Bo... In / Out of Fixed Set: In O In Riverside Palais Royal Lawyers Bookcase, Royale Cherry Finish Product Name: Abc Customer ID 2500 28 Automatic Sub-Category: Bookcases ☐ Out Abc Customer Name -1,665 Т Profit: Fixed Set Color Size Label > & Location\_Hierarchy Profit Ratio: -0.540 Abc Order Date $\Box$ 0 □ Δ ◊ 1500 Abc Order ID Detail Tooltip Shape Abc Region ## AGG(Profit Ra.. 0 Row ID · □ 0 Sub-Category sales > than10k Product Name Segment N/OUT(Fix.. ⊗ 500 Abc Ship Date Ship Mode Abc Sub-Category Technology -1600 -1400 -1000 -800 -600 -400 -200 top 10 sales set cust na... Profit On Top 5 Sales Xerox Group 🖰 Data Source data extract viz2 group sets bins sorting filters hierarchy folders calculated fields calc fields 2 combined dynamic set fixed set 🖫 🛱 坑 132 marks 1 row by 1 column SUM(Profit): 59 H ← → → | ||| ||| ||| Tableau - lab2.1 [Recovered] a × File Data Worksheet Dashboard Story Analysis Map Format Server Window Help → Show Me iii Columns Analytics Pages Book+ (Multiple Connect.. ≡ Rows ample\_superstore (sale... AGG(Profit Ratio) Filters Fixed Set ρ γ III ▼ Fixed Set Folders -0.5400 0.2900 **O** 3,083 Abc Category 3000 IN/OUT(Fixed Set) Ombined Set - Top Bo... Marks O In Abc Customer ID 2500 Abc Customer Name \*\* Fixed Set 60 T Size Label > 🙏 Location\_Hierarchy Color 2,002 Abc Order Date $\Box$ 0 D 4 ¢ 0 1,706 Abc Order ID Detail Tooltip Shape Abc Region ## AGG(Profit Ra.. # Row ID Sub-Category ales > than10k Product Name Abc Segment IN/OUT(Fix.. & Abc Ship Date Abc Ship Mode Abc Sub-Category Technology -600 -1200 -1000 top 10 sales set cust na.. Top 5 Sales Profit 🖰 Data Source data extract viz2 group sets bins sorting filters hierarchy folders calculated fields calc fields 2 combined dynamic set fixed set 🖫 🖫 坑 6 marks 1 row by 1 column SUM(Profit): -1,189 K < > > | | | | | | | | | | | | |



### • create a group



END OF ASSIGNMENT
THANK YOU