

EX NO: 05

DATE: 23.07.24

## HEAT MAP

### AIM:

To write a Data visualization program that working with Heatmap.

### PROCEDURE:

STEP1: Open tableau, newsheet will be display. In the Newsheet, click file - "New". Datasource page will be open.

STEP2:- In the newsheet, click "connect to data" and get the selected MS excel open tab will be display.

STEP3: From the open tab select sample super store dataset.

STEP4: Now, datasource page will be open. In that page, drag the order table

STEP5:- Go to the Newsheet and drag the Region and drop into the column shelf.

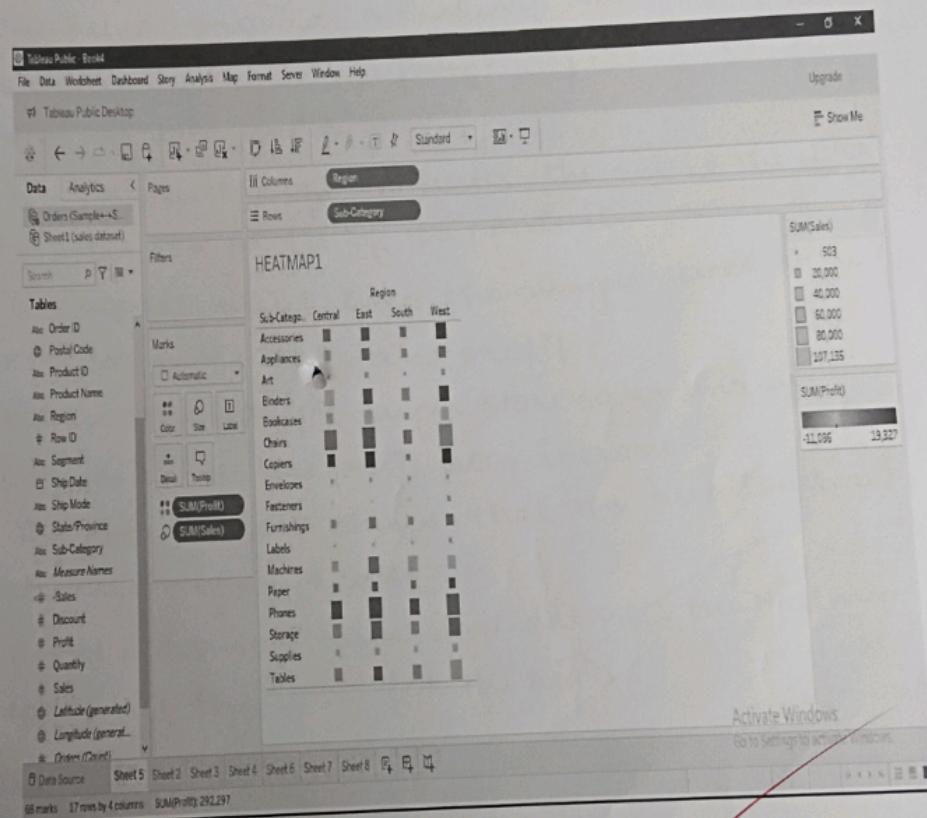
STEP6:- Drag the sub-category and drop into the rowshelf.

STEP7:- Drag the profit and drop into the color shelf under the marks pane. Drag the sales and drop into the size shelf under the mark pane.

STEP8: Now, the Heatmap chart will display in sheet.



## HEAT MAP





## ANALYSIS REPORT:-

- Using Sample Super Store dataset, the analysis report for finding sales for the region.
  - The report provides a heatmap analysis of Sales Categories by region. Highlighting areas of high + low sales by color and size.
  - The product size indicates the sales & the color indicates the profit of the product.
  - The report must help the sample super store to increase more sales and profit.
  - When the sample super store sales increase automatically the profit also increase.
  - The Above chart shows that the relationship between region & sales.
  - In the Sample superstore dataset, the Heatmap represents the color for the region.

## REGIONS:

- Central
  - East
  - West
  - South
  - The central region has the medium range of sales for chair and phone products.
  - The East region and West region has the highest sales compared to other regions.



- The South region has the lowest sales compared to other region.
- The report tells that the Sales performance of East and West region that revealing a significant wide range of profit Margin for the sample super store.

#### RESULT:-

✓ Thus the data Visualization program that working with Heatmap is executed successfully.



Ex NO: 06

DATE: 25.07.24

### BULLET CHART

#### AIM:

To write a Data Visualization program that works with bullet chart.

#### PROCEDURE:

STEP1: Open tableau. Newsheet will be displayed. In the newsheet, click file - "New". Datasource page will be open.

STEP2: In the Newsheet, click "connect to data" and get the select MS excel. Open tab will be displayed.

STEP3: From the open tab, select sample store dataset.

STEP4: Now datasource page will be open. In that page drag the order table.

STEP5: Go to the Newsheet and drag the profit and drop into the Row shelf.

STEP6: Drag the order date + sub category and drop into the column shelf.

STEP7: Drag the profit and drop into the colorshelf in markpane

STEP8: Drag the order date in filter, a dialog box will open, select "Year"

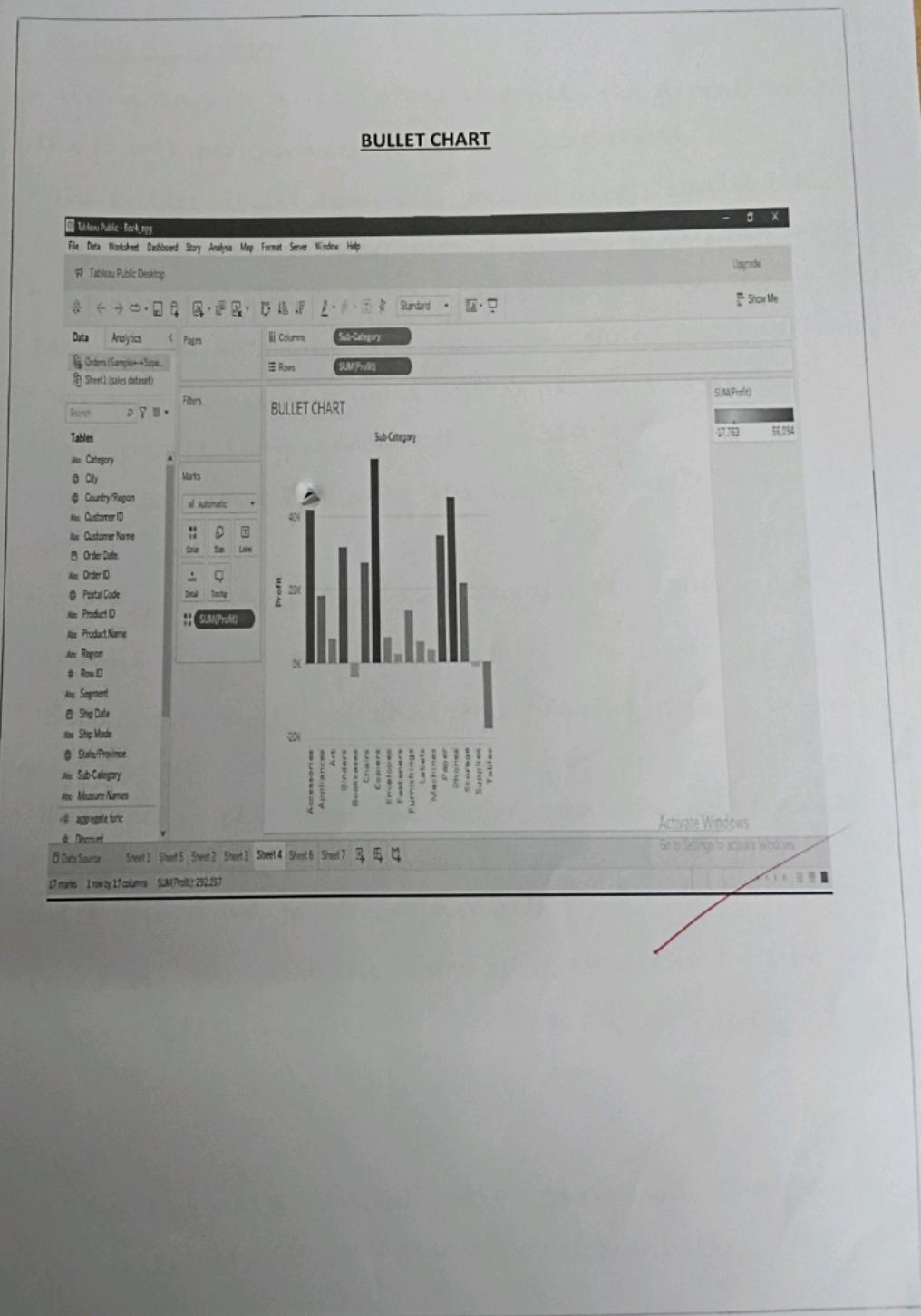


STEP 9:- Go to analysis , click filter and select the year of order date option.

STEP 10:- Now, a list of year will be displayed under the Show me tab.

STEP 11:- In the list of year , Select the 2024 option .

STEP 12:- Now, a bullet chart will be created in a Newsheet .





### ANALYSIS REPORT:

- Using Sample super store dataset, the report analysis the profit performance using a bullet chart
- The bullet chart compares actual profit against the target and assesses performance across predefined ranges
- The report must help the sample super store to identify the minimum and maximum sold product in 2024
- The Above chart shows a copiers product that has high profit compared to other products.
- The chart that indicating the negative profit in sample super store.
- The report Addressing the negative performance and implementing strategic changes.
- The report providers that the Negative profit in sample super store
- The report tells that the copiers has the wide range of profit and the table product has the high Negative profit comparing to other products
- Based on the patterns, we predict that the highest sales in 2025 will be copiers.

### RESULT:-

Thus the data visualization program that working with bullet chart is executed successfully.