ASSIGNMENT 3

TITLE :

Visualization Tool for Electric Vehicle Charge and Range Analysis.

Team ID : LTVIP2025TMID48669

Team Leader : Likitha Dadi
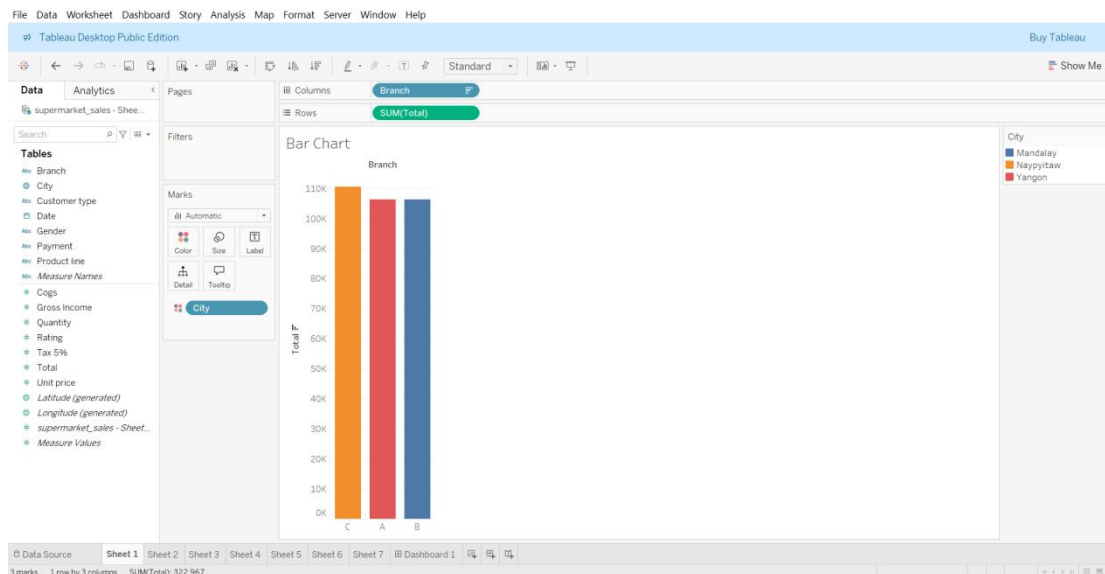
DASHBOARD :

✓ To create a interactive dashboard , we must create multiple sheets with different visualizations.

Visual	Description
Total Sales by Branch	Bar Chart
Sales Trend Over Time	Line Chart with Date
Payment Type Distribution	Pie Chart
Sales by Gender or Customer Type	Stacked Bar Chart
Top Product Lines	Tree Map
Average Rating per Branch or Product Line	Bar Chart

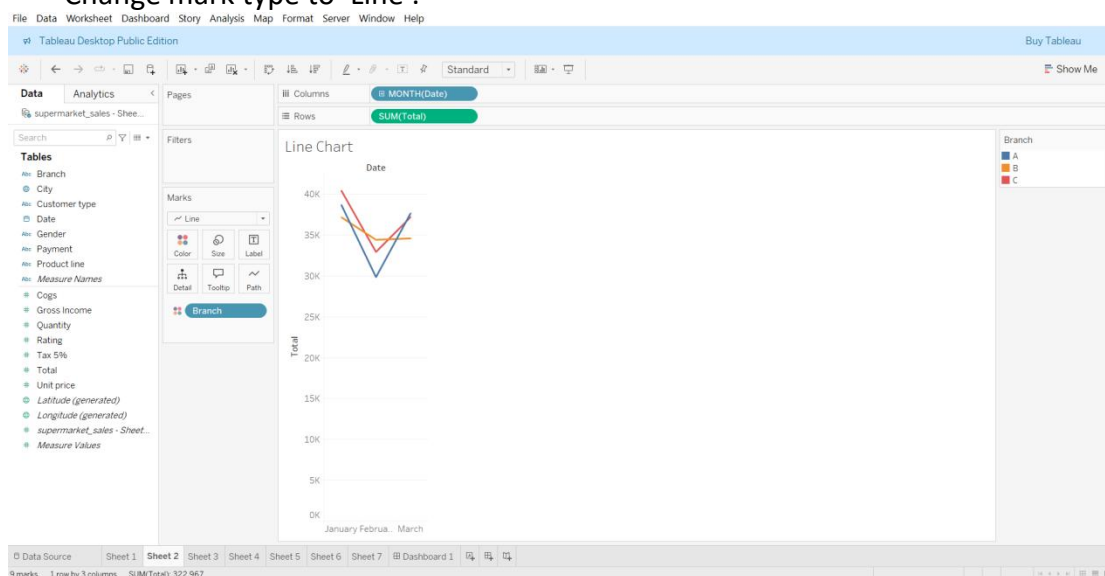✓ Remove Unnecessary Columns like 'Invoice ID' , 'Time' and 'Gross Margin Percentage'.

● Bar Chart

✓ Place 'branch' in Columns and 'Total' in Rows Field.
✓ Place 'city' in the color shelf of the marks card.
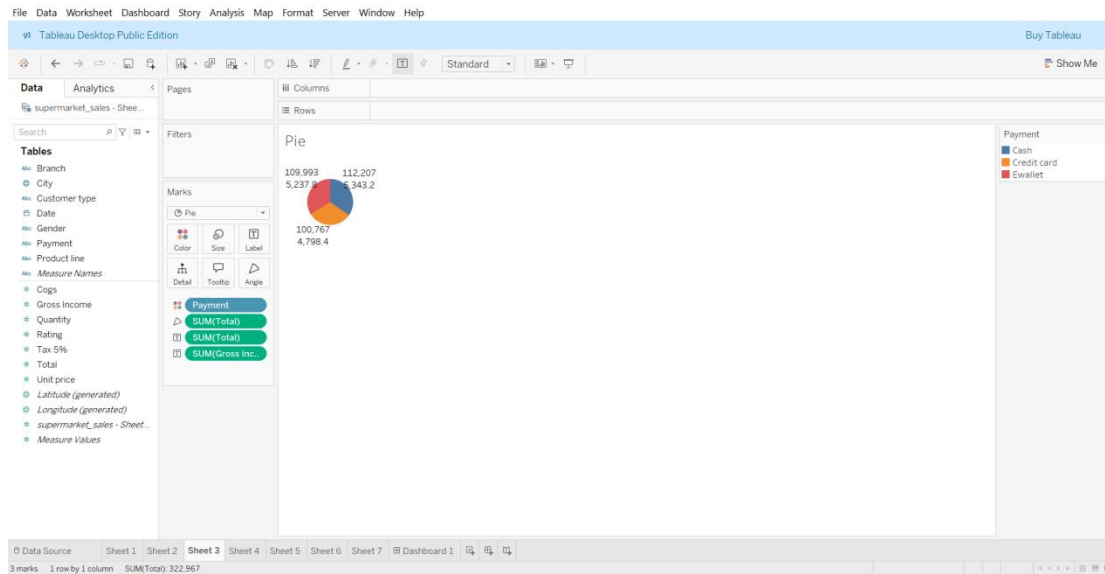✓ Make sure the bar graph is sorted in descending order.

● **Line Chart**

✓ Place 'date' to Columns and change the year format to month format.
✓ Place 'Total' to rows field.
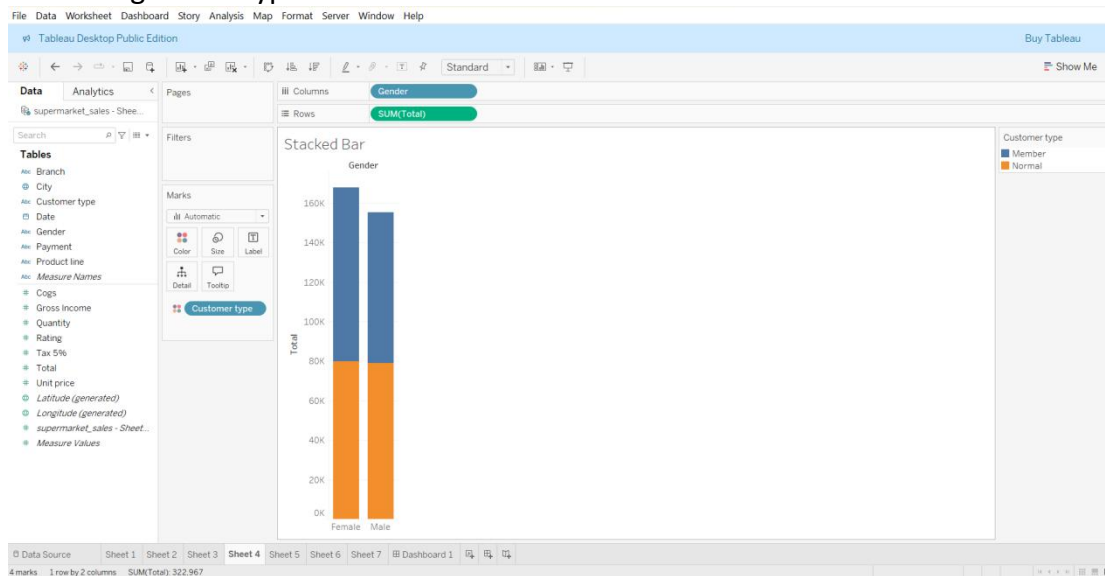✓ Place 'branch' to the color shelf in marks card.
✓ Change mark type to 'Line'.

● **Pie Chart**

✓ Place 'payment' to color shelf in marks card.
✓ Change mark type to 'Pie'.
✓ Place 'Total' in angle shelf of marks card.
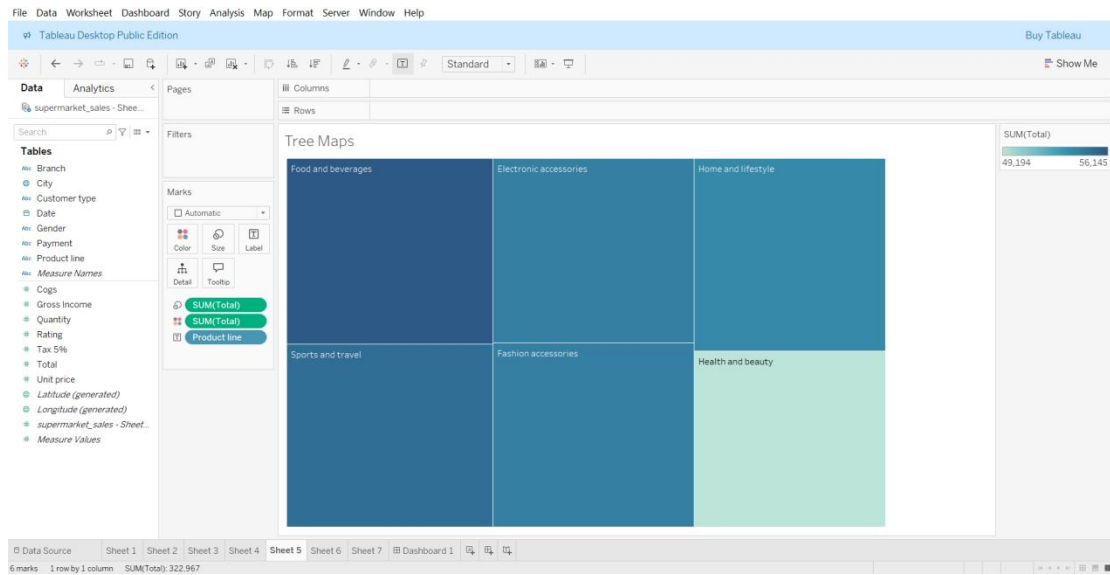✓ Make Labels to provide information of fields in Pie.

● **Stacked Bar**

✓ Place 'Gender' to columns field and 'Total' to Rows field.
✓ Place 'Customer Type' in color shelf of marks card.
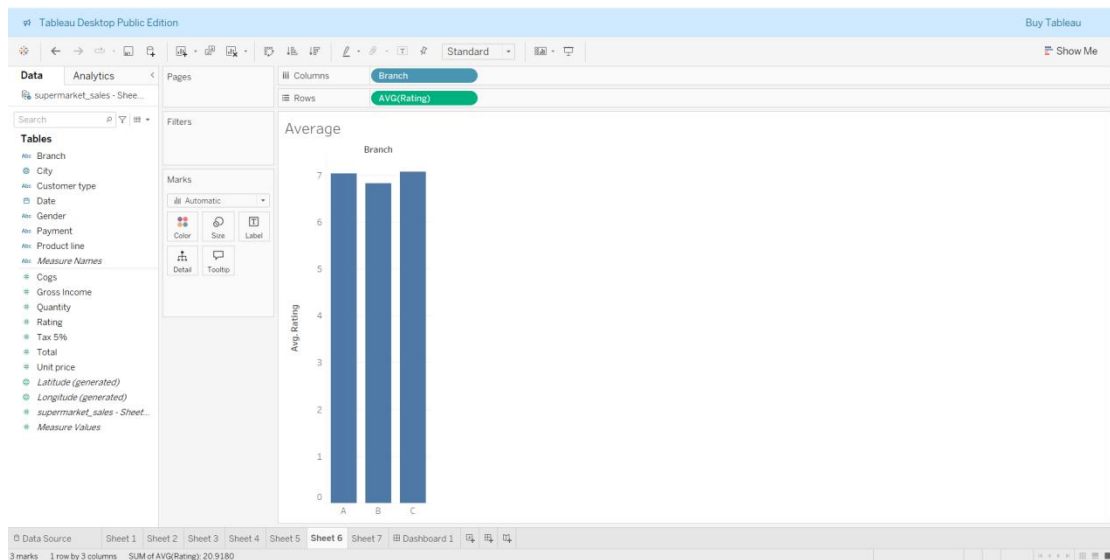✓ Change Mark type to stacked Bar.

● **Tree Map**

✓ Place 'Product Lines' to Rows field and ' Total' to Columns Field.
✓ Place 'Product Line' in Label shelf and Color Shelf of the Marks card.
✓ Sort it in Descending Order.
✓ Change marks type to Tree map.

● **Average rating**

✓ Place 'Branch' or 'Product Line ' to Columns field.
✓ Place 'Rating' in Rows field.
✓ In Rating , choose 'measure' and then select ' Average'.
✓ Change marks type to Bar Chart.

STEPS TO CREATE A INTERACTIVE DASHBOARD

STEP 1:
Create a New DashBoard.

STEP 2:
Drag each worksheet into the DashBoard.

STEP 3:
Resize and Organise the visuals for clean Layout.

STEP 4:
Add a Title -> "Super Market Sales DashBoard (Jan - Mar 2019)".

STEP 5:
Click any Chart in the dashboard, on the right top corner -> select the 'Use as filter'.

STEP 6:
Use filters like 'Branch', 'Customer Type' and 'product Line'.

STEP 7:
This is the Final Interactive dash Board created from the Visualizations like Bar chart , Line Chart , Pie Chart , Tree Map , Stacked Bars and Average rating.