

Name: Thimmapuram Sreenivasulu
Roll No: 224E1A4777
Course: Data Analytics with Tableau
Assignment: Assignment 2

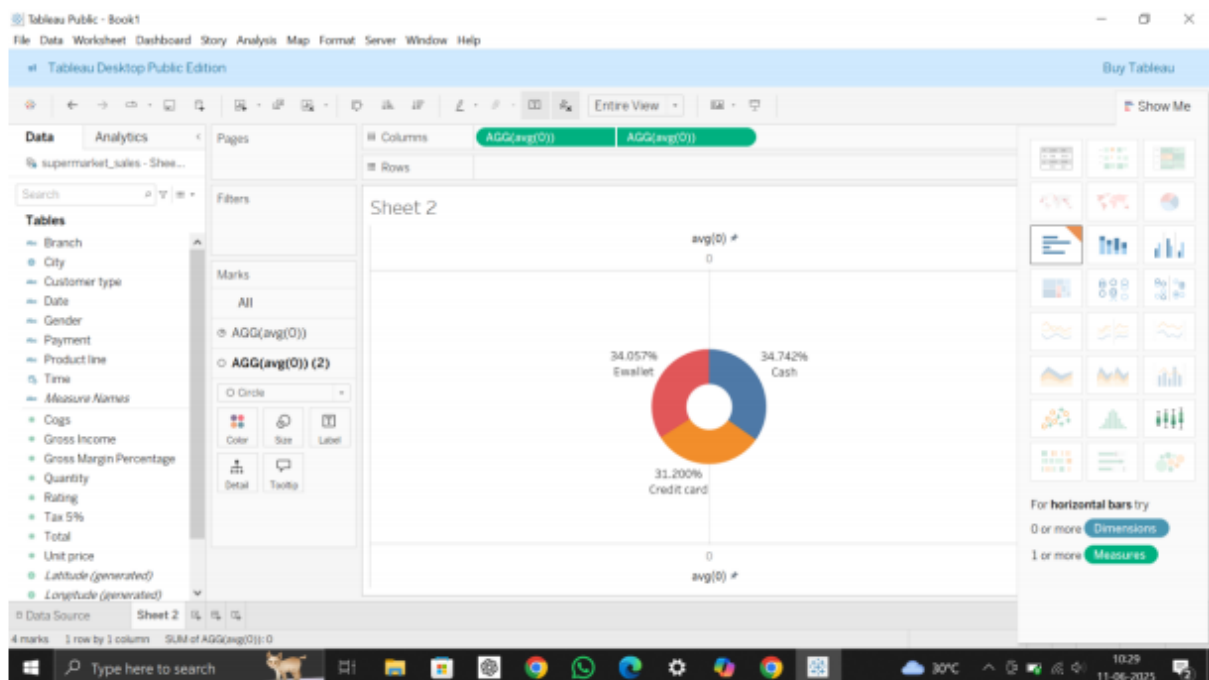
Assignment 2: Data Analytics with Tableau

Supermarket Sales Visualization

This assignment focuses on analyzing the historical sales data of a supermarket company operating in three different branches over a period of three months. Various Tableau visualizations were created to understand customer behavior, sales trends, and product performance.

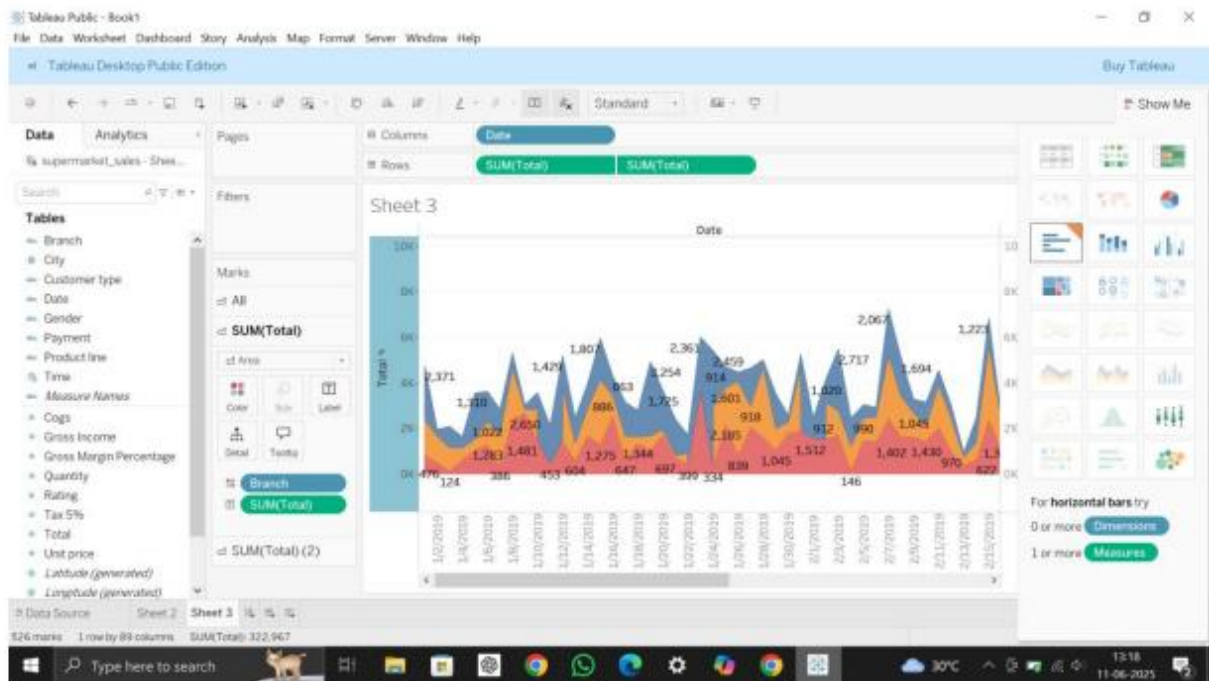
The following charts were developed using Tableau:

1. Donut Chart - Payment Distribution



This chart shows the distribution of payment methods used by customers. It helps us understand which payment option (Cash, Credit Card, or E-Wallet) is most popular in the supermarket.

2.Area Chart - Sales Over Time



The area chart displays how total sales have changed over time. It helps to track sales performance across different days or months.

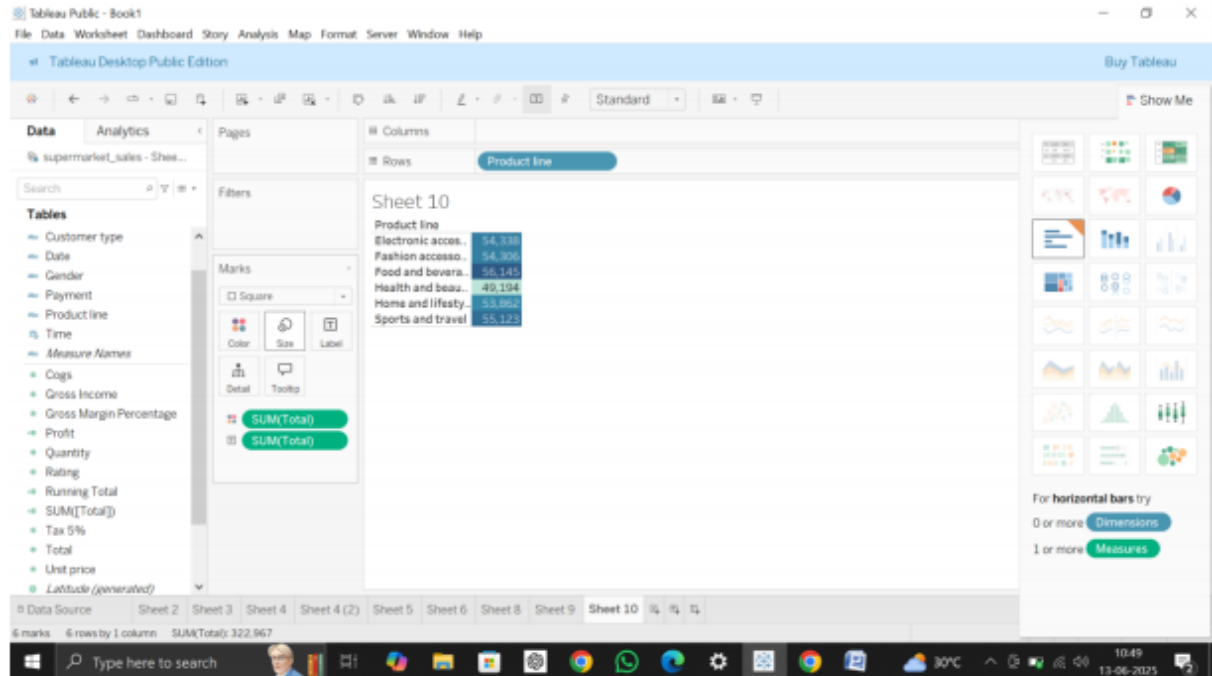
3. Text Table - Sales by Product Line

The screenshot shows the Tableau Desktop interface with a worksheet named 'Sheet 9'. The data source is 'supermarket_sales'. The columns shelf contains 'Product line' and the rows shelf contains 'SUM(Total)'. The marks card is set to 'SUM(Total)' with a green color. The view is a text table showing sales by product line. The table has two columns: 'Product line' and 'SUM(Total)'. The data is as follows:

Product line	SUM(Total)
Food and bevera..	56,145
Sports and travel	55,123
Electronic acces..	54,338
Fashion accesso..	54,306
Home and lifestyle..	53,862
Health and beau..	49,194

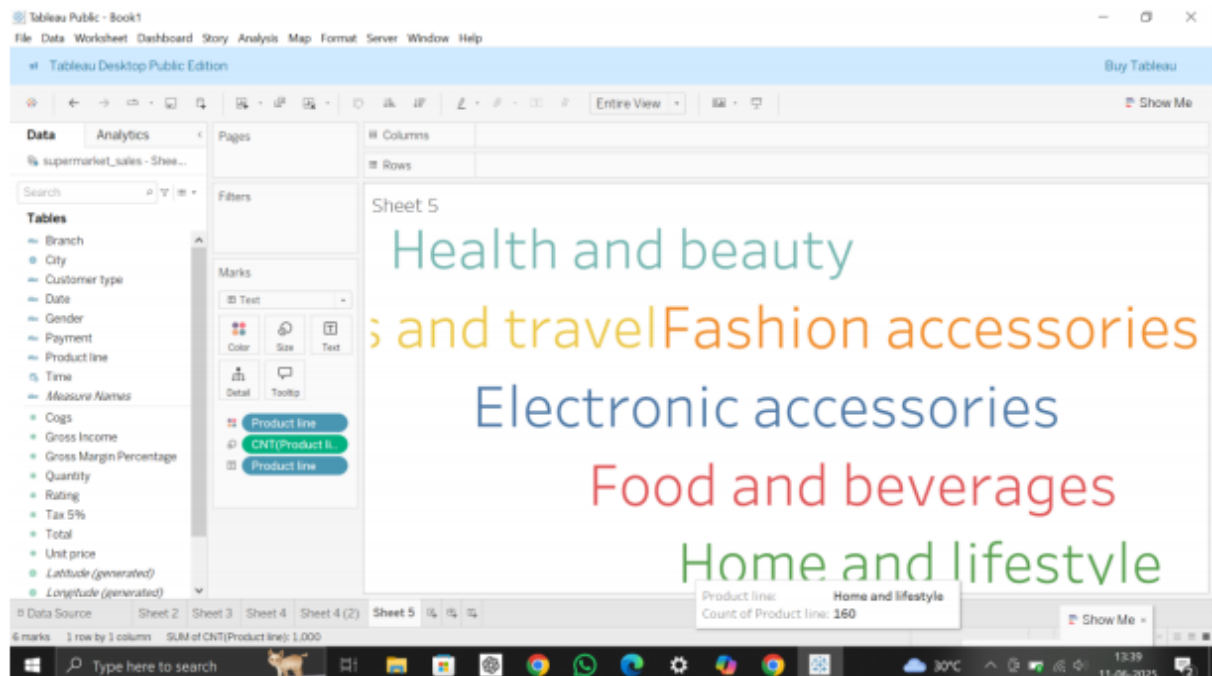
The text table shows the total sales for each product line. It provides exact numerical sales values, which helps in comparing the performance of different product categories.

4. Highlighted Table - Sales Comparison by City and Product Line



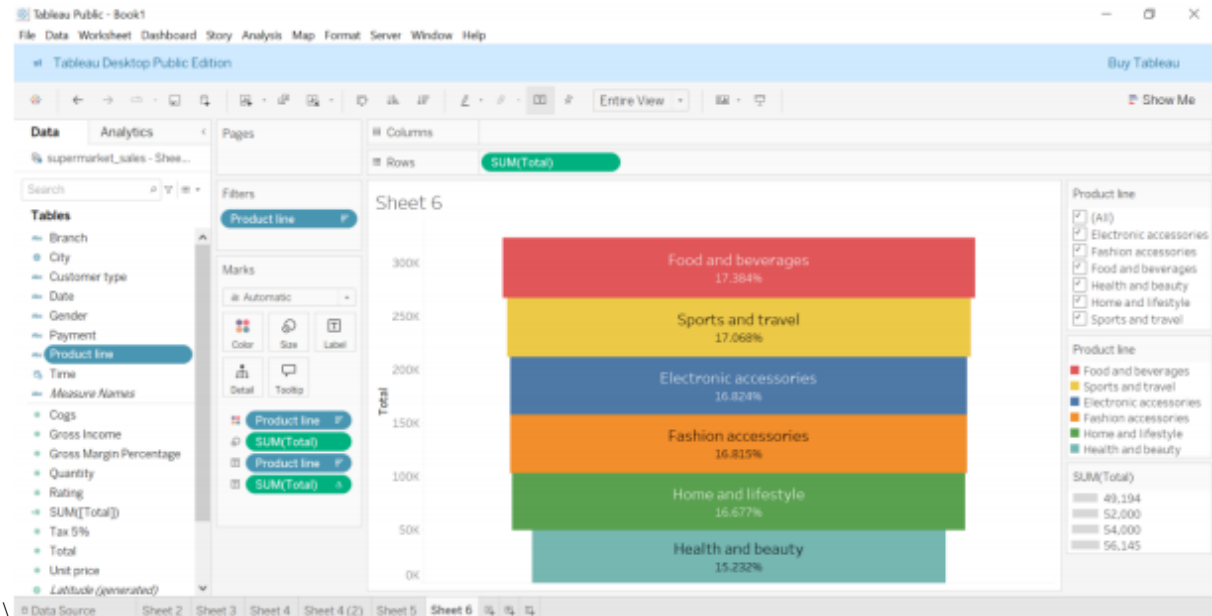
The highlighted table visually compares sales across cities and product lines. The color highlights make it easy to see which products sold best in each city.

5. Word Cloud - Product Line Frequency



The word cloud represents the most frequent product lines purchased by customers. Larger words indicate more sales or higher frequency.

6. Funnel Chart - Sales by Product Line



7. Waterfall Chart - Sales Flow using Total

The waterfall chart displays how sales (Total) increase or decrease across different product lines. It helps to understand the flow and changes in sales step by step.

