Data Analytics

Assignment – 1

Aim: To analyze the supermarket sales dataset using Tableau and create different visualizations such as Bar Chart, Pie Chart, Stacked Bar Chart, Line Chart, and Bubble Chart.

Dataset Description

The dataset contains historical sales data of a supermarket company recorded for 3 branches over 3 months (January 2019 to March 2019).
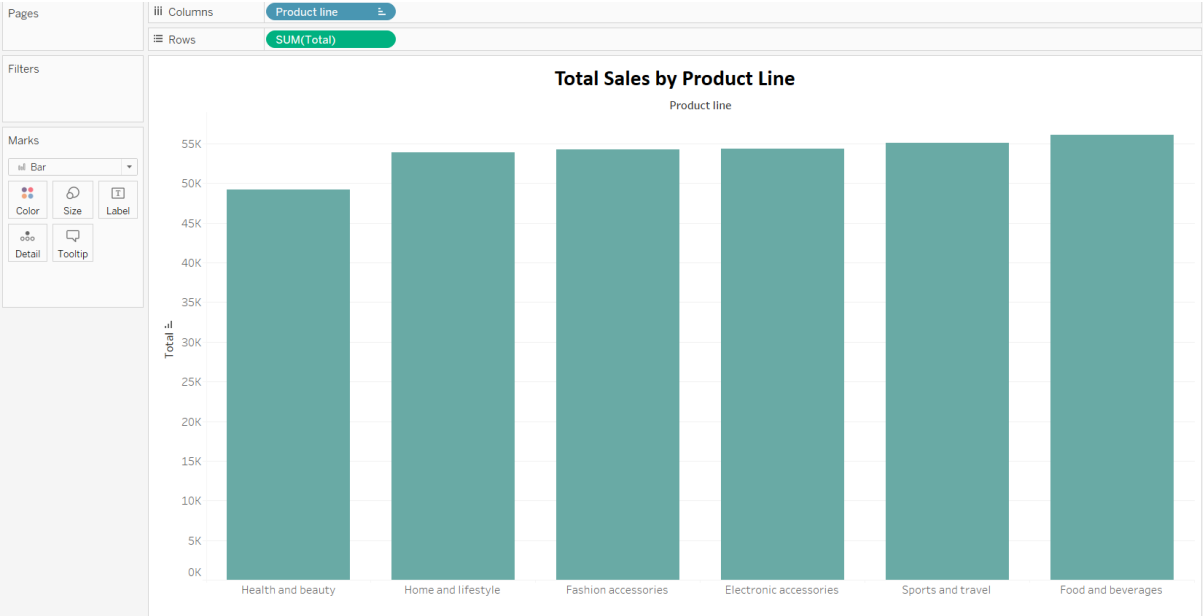
Attributes in Dataset

- Invoice ID
- Branch
- City
- Customer Type
- Gender
- Product Line
- Unit Price
- Quantity
- Tax 5%
- Total
- Date
- Time
- Payment
- COGS
- Gross Margin Percentage
- Gross Income
- Rating

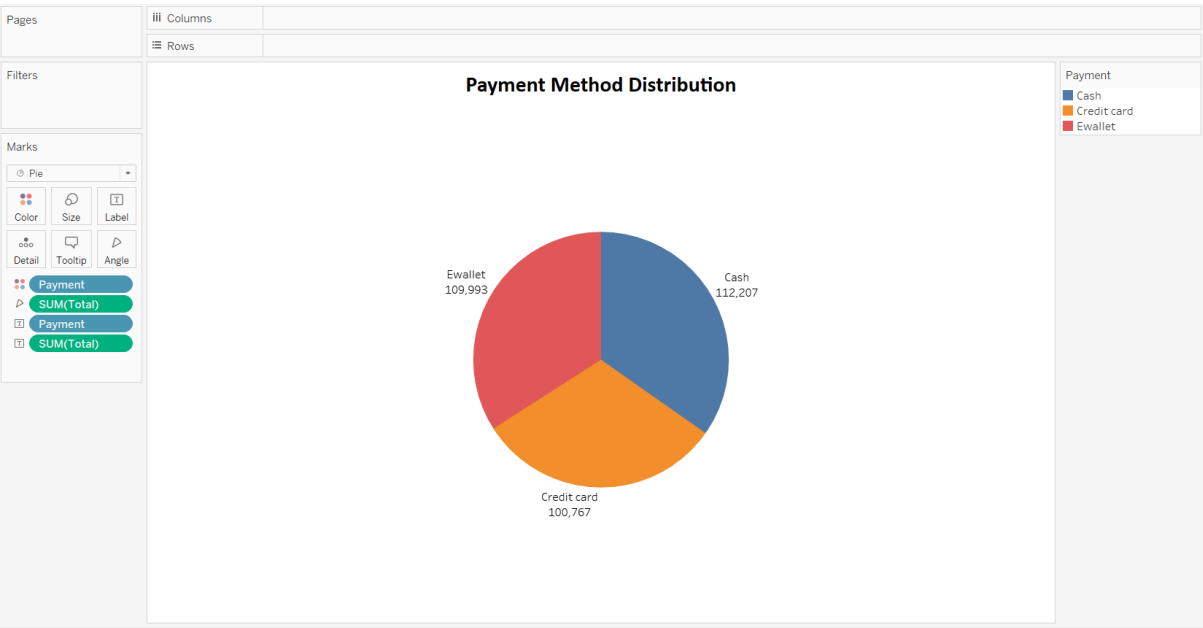**Visualizations Created in Tableau:**

1. Bar Chart
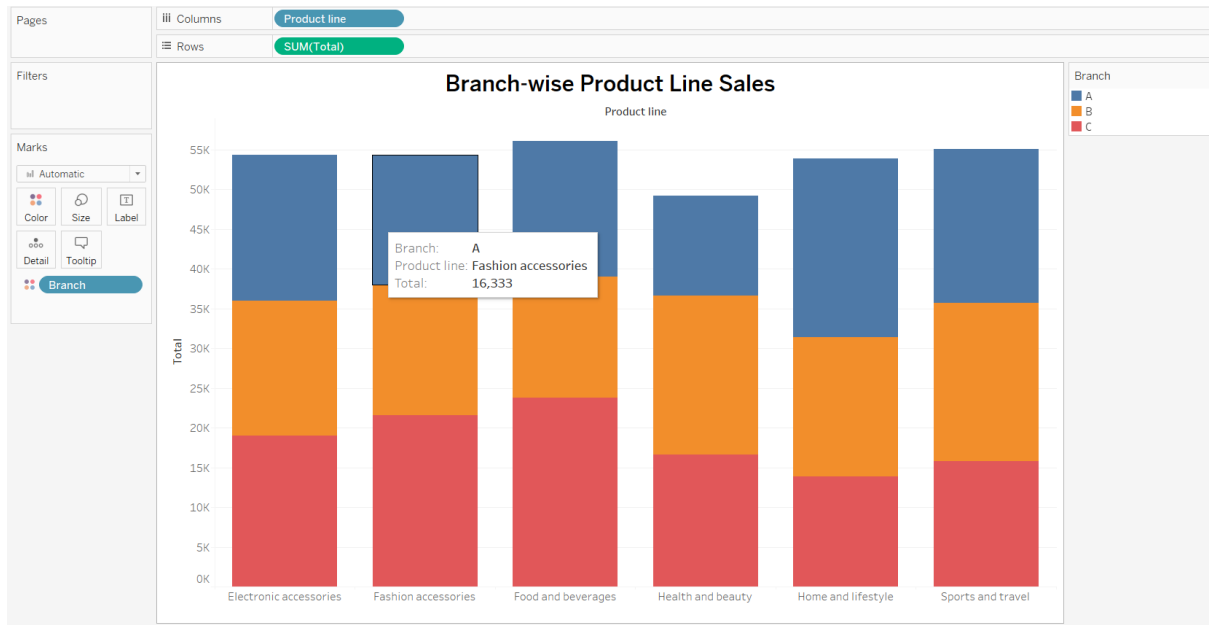
Title: Total Sales by Product Line

2. Pie Chart
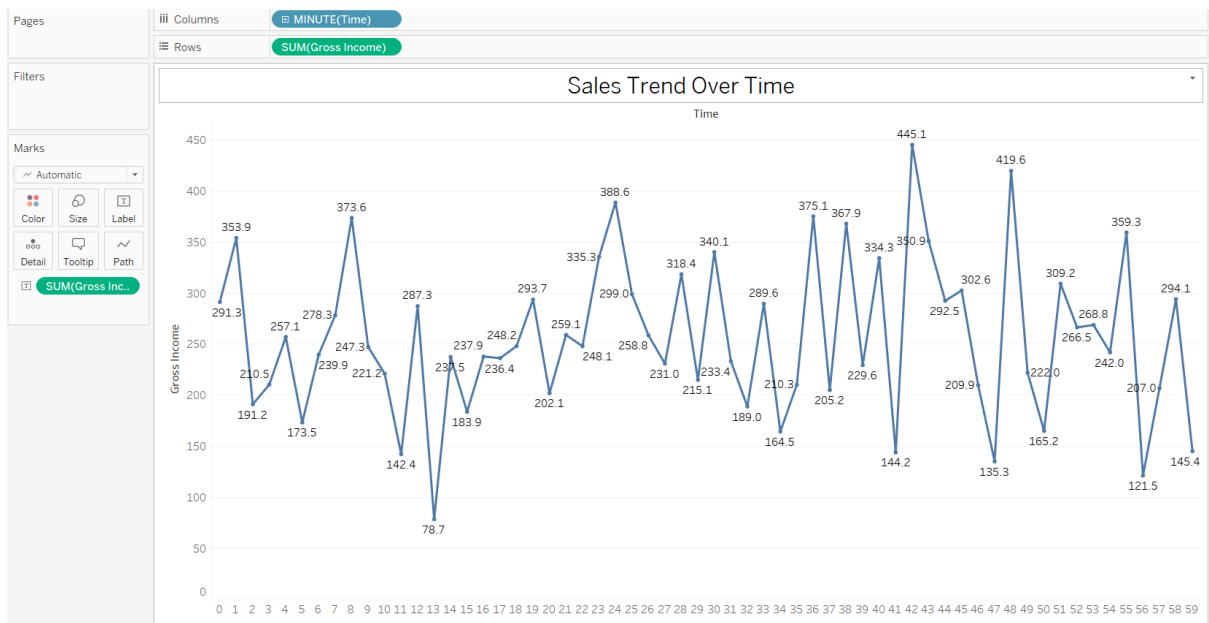
Title: Payment Method Distribution

3. Stacked Bar Chart

Title: Branch-wise Product Line Sales

4. Line Chart

Title: Sales Trend Over Time

5. Bubble Chart

Title: Total Sales by City