

## **DA Assignment- 1**

The growth of supermarkets in most populated cities is increasing and market competitions are also high. The dataset is one of the historical sales of supermarket company which has recorded in 3 different branches for 3 months data.

Attribute information

Invoice id: Computer-generated sales slip invoice identification number

Branch: Branch of supercenter (3 branches are available identified by A, B and C).

City: Location of supercenters

Customer type: Type of customers, recorded by Members for customers using member cards and Normal for those without member cards.

Gender: Gender type of customer

Product line: General item categorization groups- Electronic accessories, Fashion accessories, Food and beverages, Health and beauty, Home and lifestyle, Sports and travel

Unit price: The price of each product

Quantity: Number of products purchased by the customer Tax: 5%

tax fee for customers buying Total: Total price including

tax Date: Date of purchase (Record available from January 2019 to March 2019)

Time: Purchase time (10 am to 9 pm)

Payment: Payment used by the customer for the purchase (3 methods are available Cash, Credit card and Ewallet)

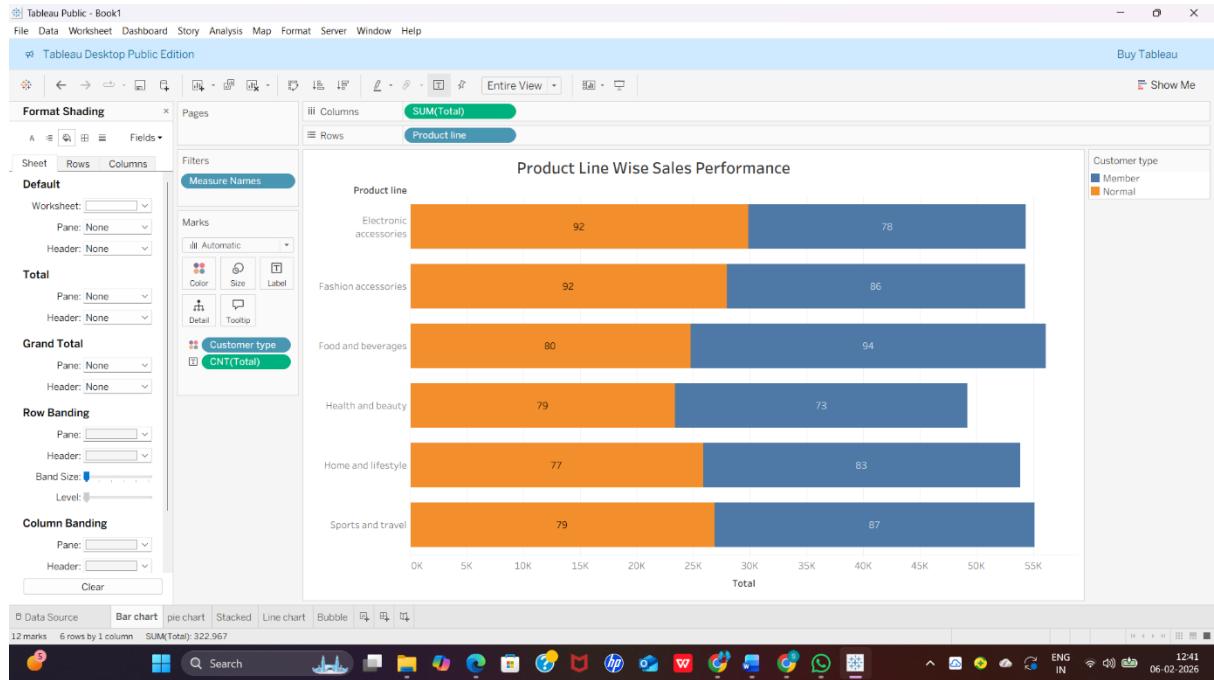
COGS: Cost of goods sold

Gross margin percentage: Gross margin percentage

Gross income: Gross income Rating: Customer stratification rating on their experience (scale of 1 to 10)

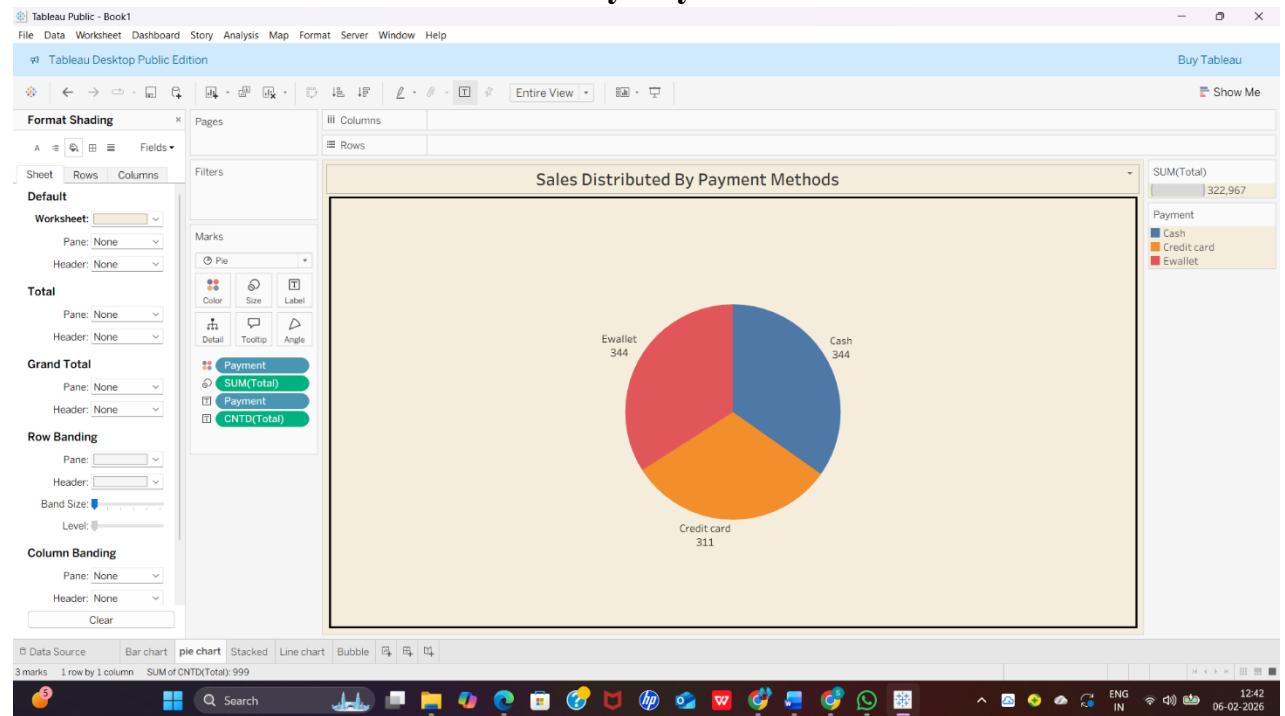
1.Bar Chart:

## Product Line Wise sales Performance



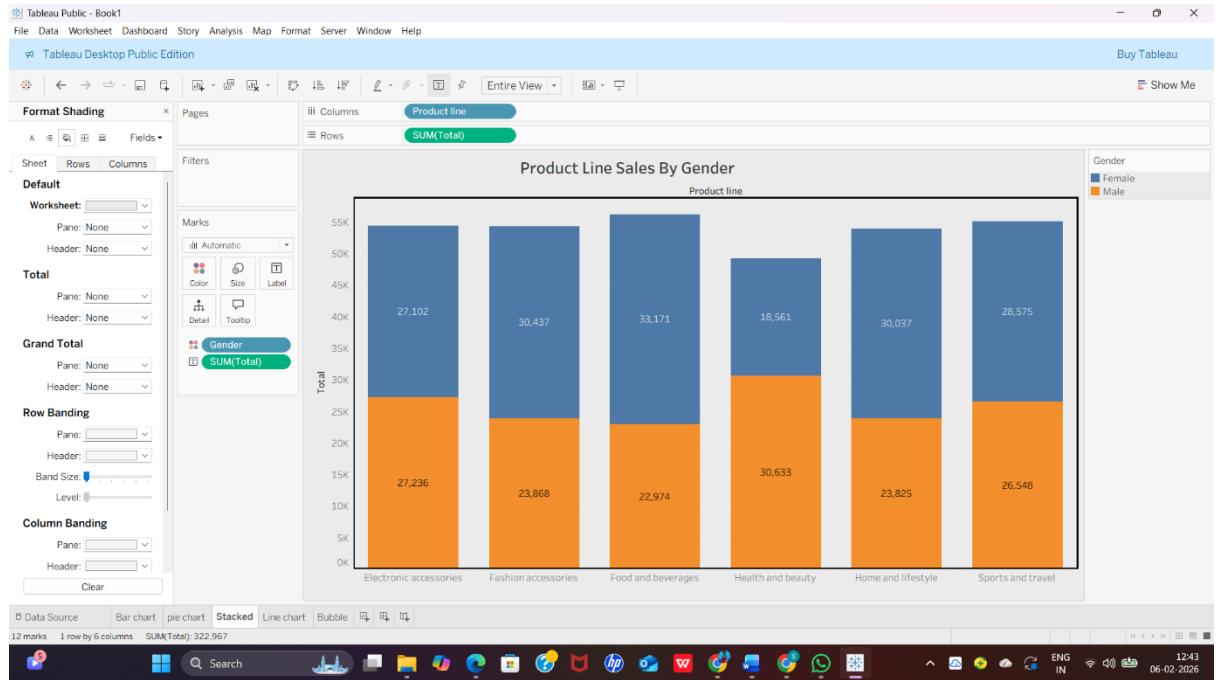
## 2.Pie Chart :

### Sales Distributed by Payment Methods



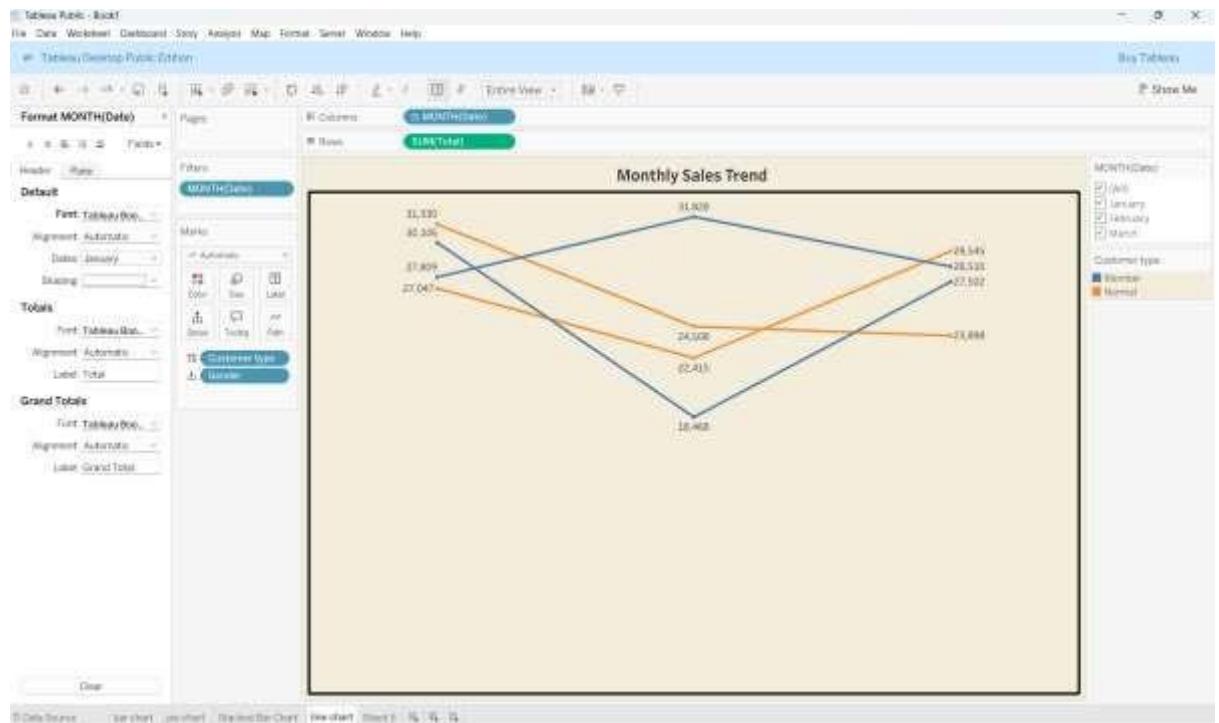
## 3.Stacked bar chart :

## Product Line Sales By Gender



### 4. Line Chart :

#### Monthly Sales Trend



### 5. Bubble chart:

## Sales v/s Quantity by Product Line

