**SUPERMARKET  
Kaggle Link:**<https://www.kaggle.com/aungpyaeap/supermarket-sales>

**Context**:  
The growth of supermarkets in most populated cities are 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. Perform Descriptive Analysis on the given dataset.

**Attributes Information Table:**

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| --- | --- | --- | --- |
| Sr. | Column Names | Description | Data type |
| 1 | Invoice ID | Computer generated sales slip invoice identification number | String |
| 2 | Date | Date of purchase (Record available from January 2019 to March 2019) | DateTime |
| 3 | Time | Purchase time (10am to 9pm) | DateTime |
| 4 | Branch | Branch of Supermarket (3 branches are available identified by A, B and C). | String |
| 5 | City | Locations of Supermarket:  Mumbai, Nashik, Pune | String |
| 6 | Customer type | Type of customers, recorded by Members for customers using member card and Normal for without member card. | String |
| 7 | Gender | Gender type of customer | String |
| 8 | Product Line | General item categorization groups - Electronic accessories, Fashion accessories, Food and beverages, Health and beauty, Home and lifestyle, Sports and travel | String |
| 9 | Quantity | Number of products purchased by customer | Number (Int) |
| 10 | Cost | Cost of goods sold | Number (Float) |
| 11 | Tax 5% | 5% tax fee for customer buying | Number (Float) |
| 12 | Total Cost | Total cost including tax | Number (Float) |
| 13 | Payment\_Mode | Payment mode used by customer for purchase (3 methods are available – Cash, Credit Card and E-wallet) | String |
| 14 | Gross Income | Gross income | Number (Float) |
| 15 | Gross Margin Percentage | Gross margin percentage | Number (Float) |
| 16 | Rating | Customer stratification rating on their overall shopping experience (On a scale of 1 to 10) **Acknowledgements** | Number (Int) |

**Changes made to the original Dataset:**  
Name of cities have been changed to Mumbai, Nashik and Pune from Yangaon, Mandalay and Naypyitaw for the sake of familiar names.