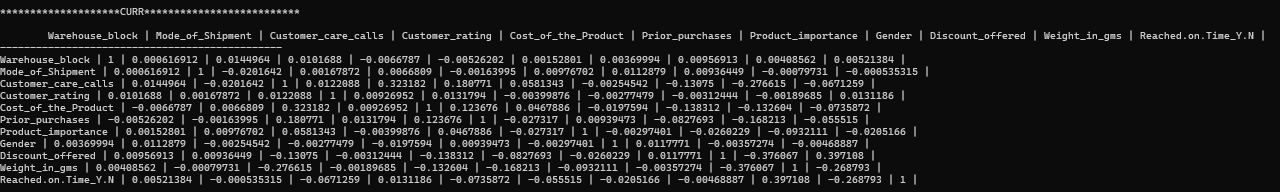
**E-Commerce Shipping Dataset**

Dataset : <https://www.kaggle.com/datasets/prachi13/customer-analytics>

**Analytical Conclusion**

**Based on the provided dataset, the analysis covers several key aspects related to the shipment and delivery performance of a logistics company. Here are the primary findings:**

1. **Warehouse and Shipment Mode:**
   * **The data includes shipments from multiple warehouse blocks (A, B, C, D, F) and different modes of shipment (Flight, Ship, Road).**
   * **The distribution and performance of these blocks and shipment modes could reveal efficiency patterns and potential areas for improvement.**
2. **Customer Service and Ratings:**
   * **The dataset includes variables for the number of customer care calls and customer ratings.**
   * **Higher customer care calls might indicate issues in the delivery process, while customer ratings provide insight into overall satisfaction.**
3. **Product and Purchases:**
   * **Attributes like the cost of the product, prior purchases, and product importance (low, medium, high) give a comprehensive view of the product dynamics and customer purchase behavior.**
   * **Understanding these factors can help tailor services to different product categories and purchase frequencies.**



**A graph of a heatmap

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Note :

Conclusions from Correlation matrix :-

Discount Offered have high positive correlation with Reached on Time or Not of 40%.

Weights in gram have negative correlation with Reached on Time or Not -27%.

Discount Offered and weights in grams have negative correlation -38%.

Customer care calls and weights in grams havenegative correlation -28%.

Customer care calls and cost of the product have positive correlation of 32%.

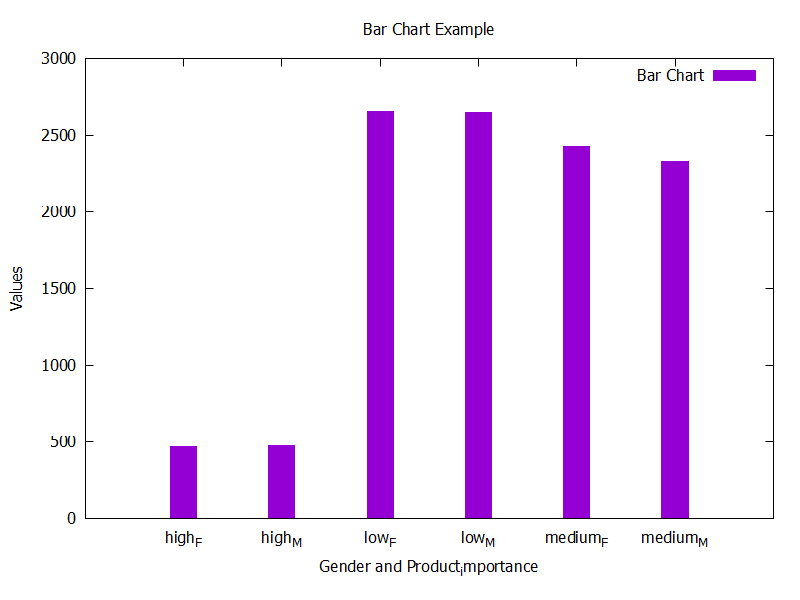
Prior Purchases and Customer care calls have slightly positive correlation

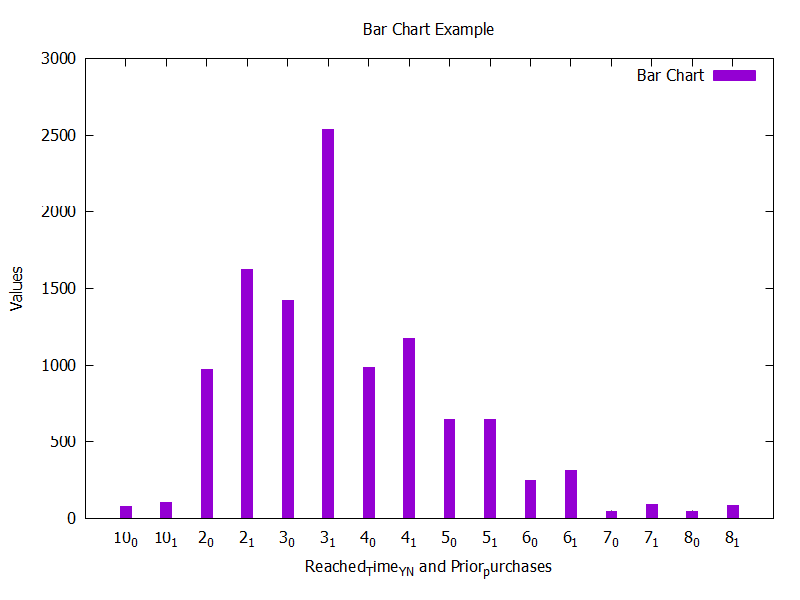
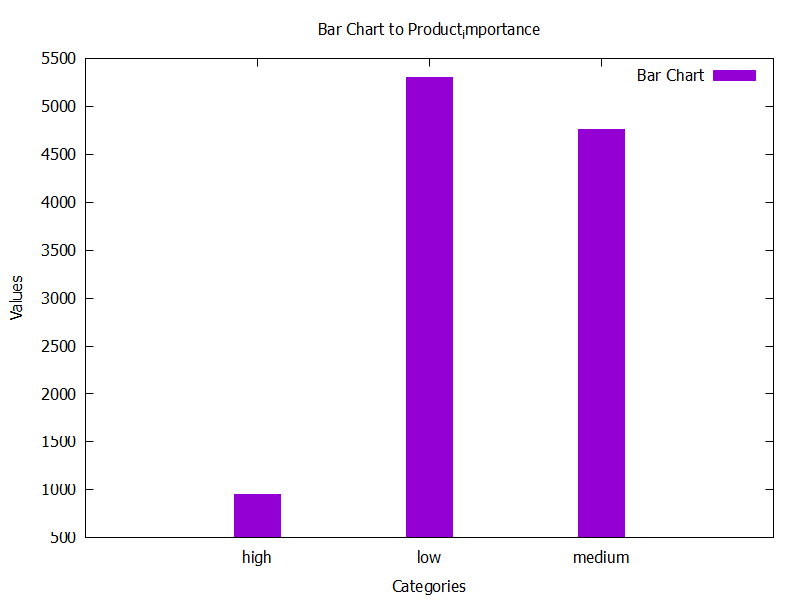
SO Some,

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Some Visualization to Describe the columns :

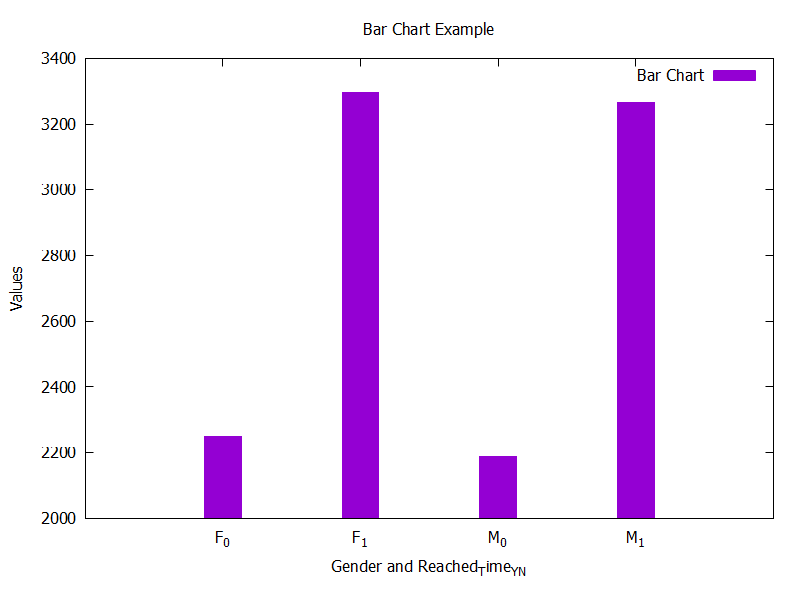




Overview to Relation between Prior purchases Column and Reached on time Column

Overview of Product importance Column

Overview to Relation between Gender Column and Product importance Column

A bar chart with purple bars

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Overview to Relation between Gender Column and Reached on time Column

Overview of Warehouse block Column

Overview to Relation between Reached on timeColumn and Product importance Column