

Supermarket Sales Analysis Using Python



Business Insights

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After wrangling the data and delivering it to the refined format, we start executing business insights.

The Insights almost cover the possible correlations and trends within data in the 3 different branches.

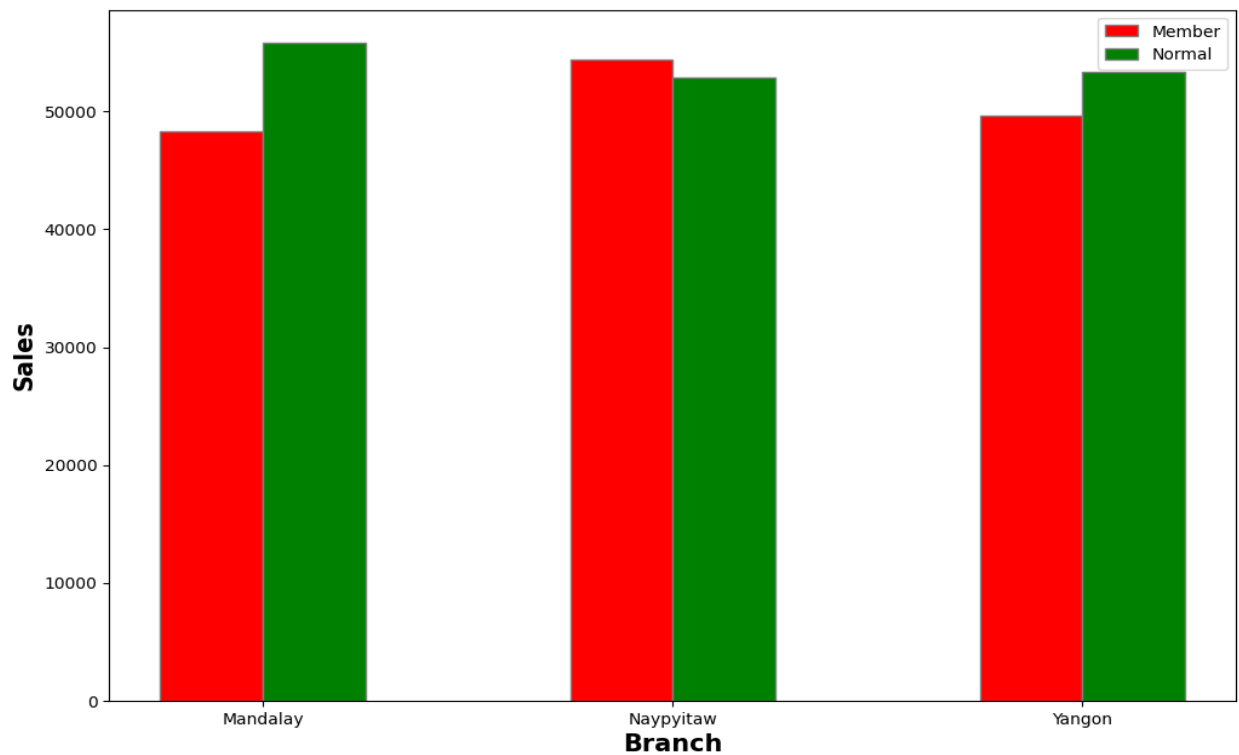
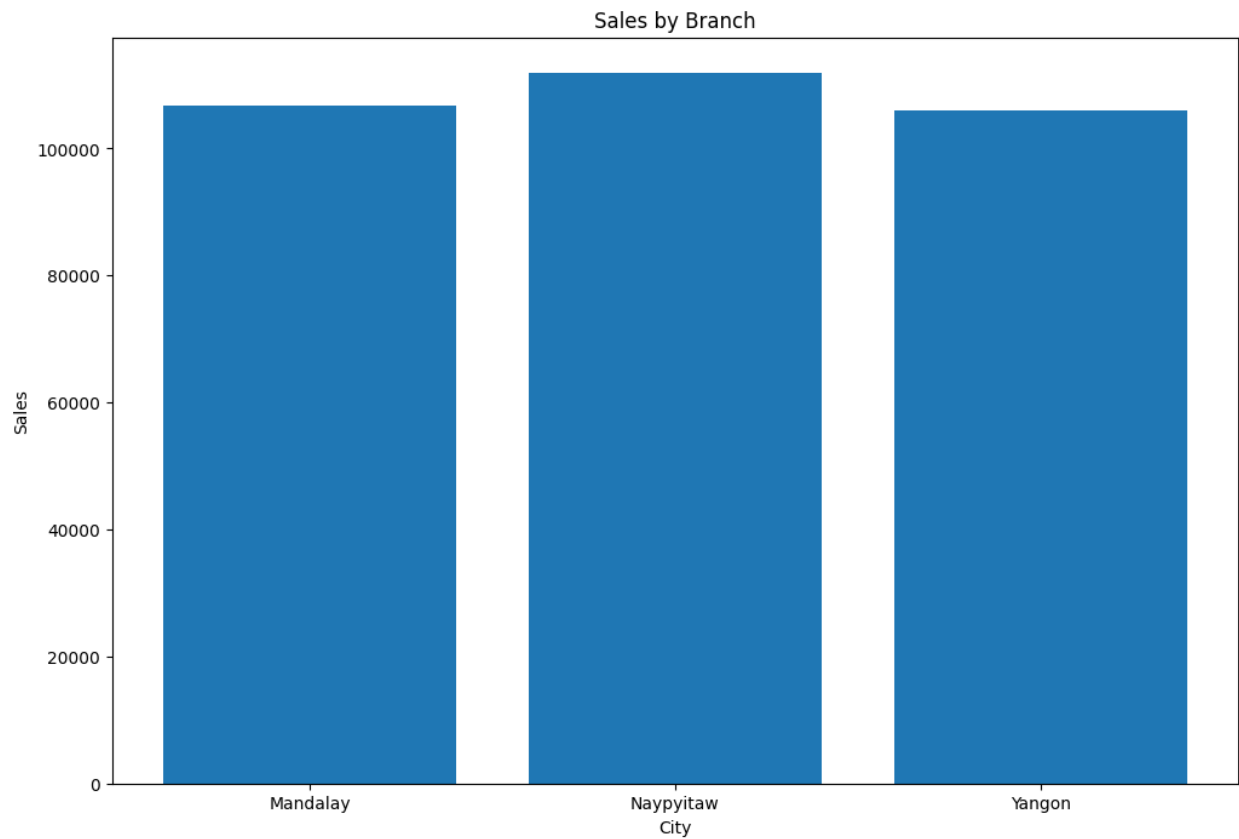
The data has 1000 records with:

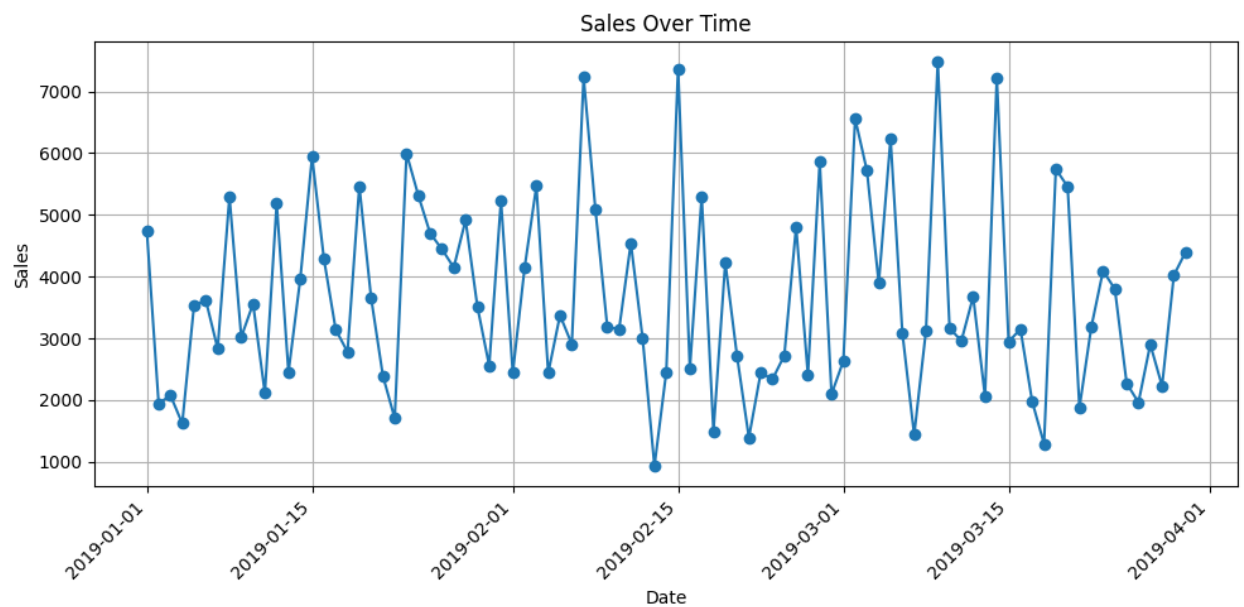
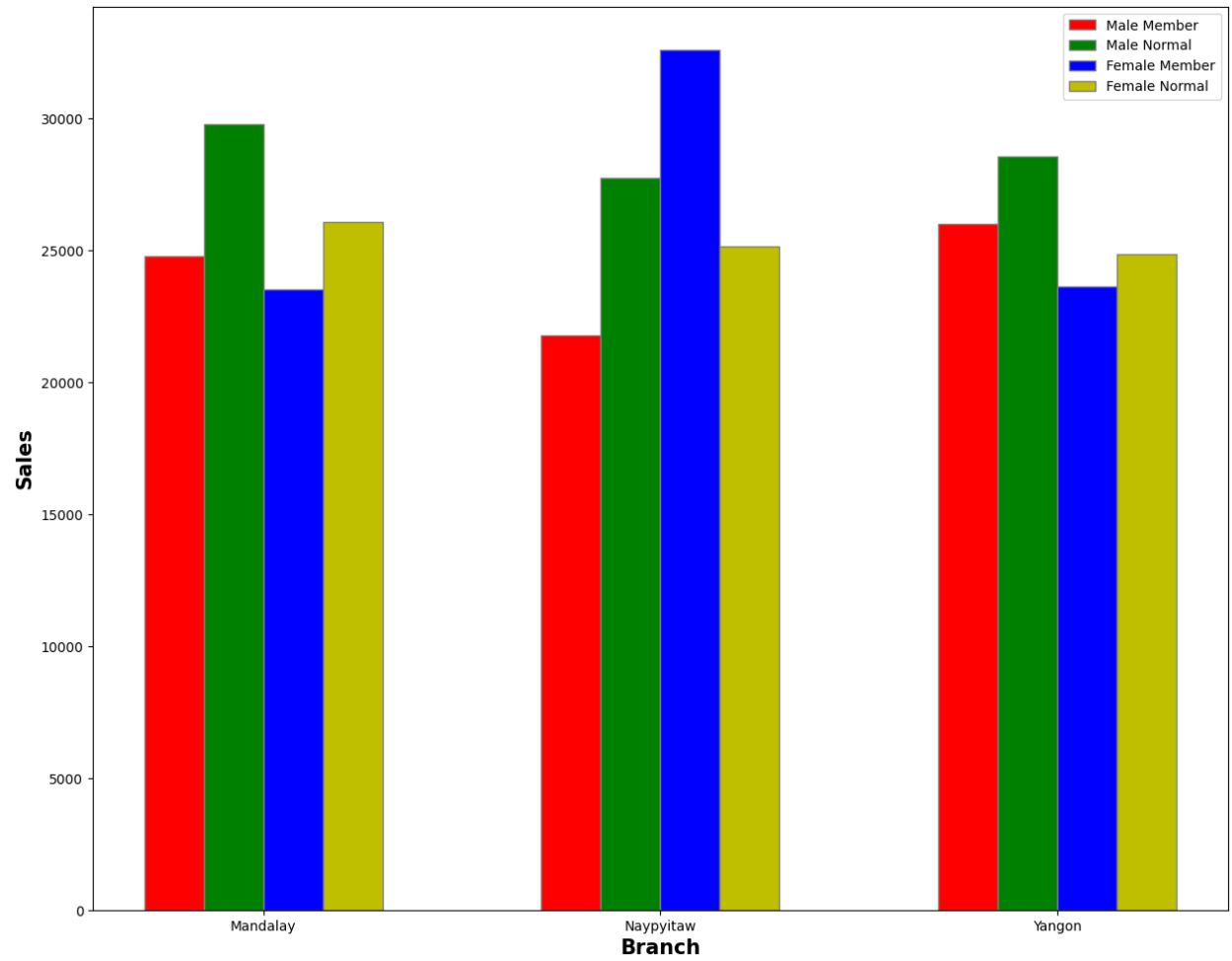
Invoice ID – Branch – Customer type – Gender – Product line – Unit price – Quantity - Tax 5% - Total – Date – Time – Payment – Rating

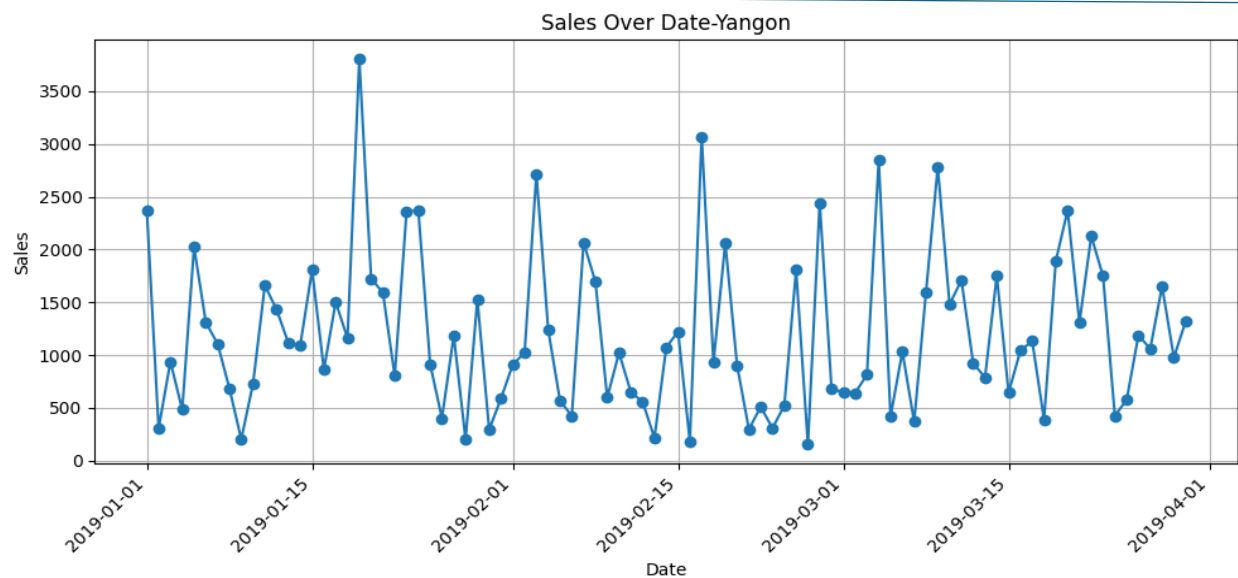
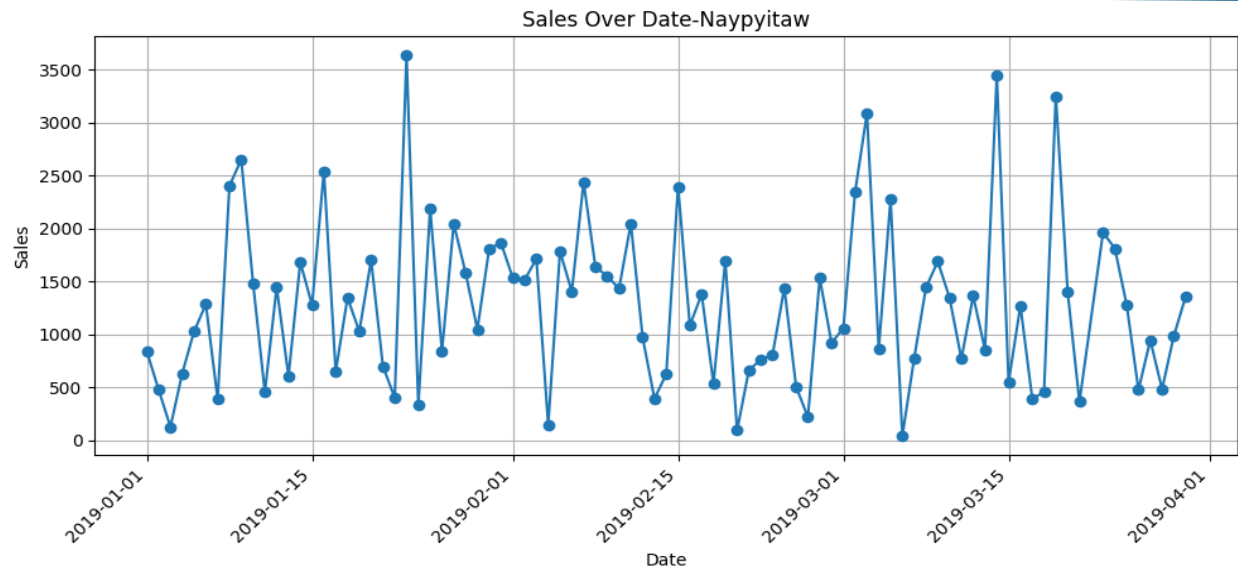
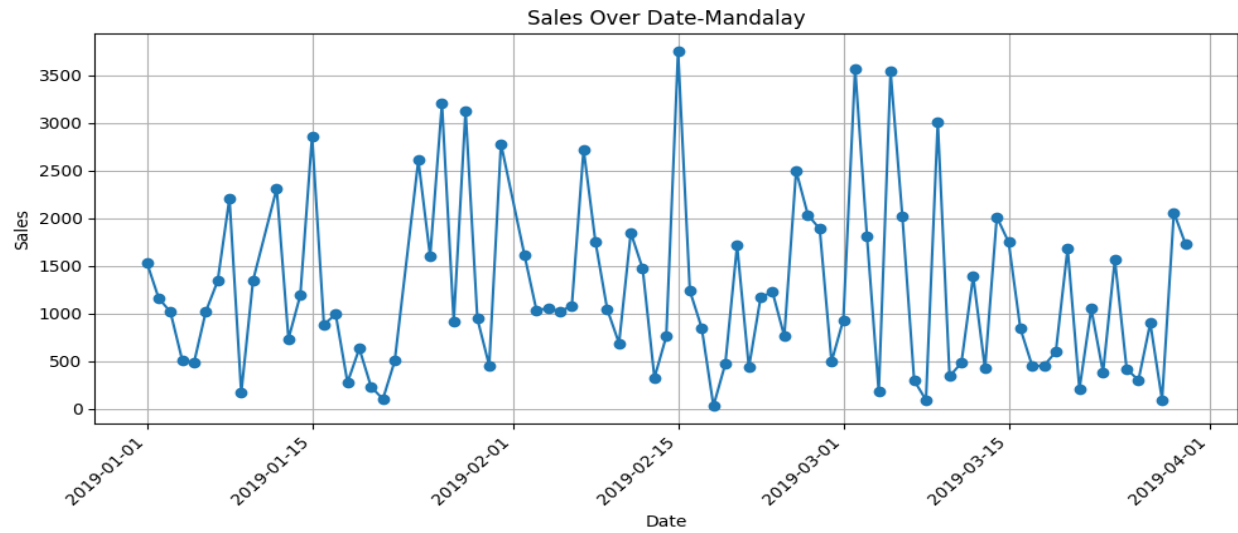
The insights focus on:

- Sales of branches, with showing details of customers whether there are: members or normals – male or female, and date series of sales.
- Sales of the 6 product lines in total, then in every branch separately. Also, there is filtering every product line based on gender.

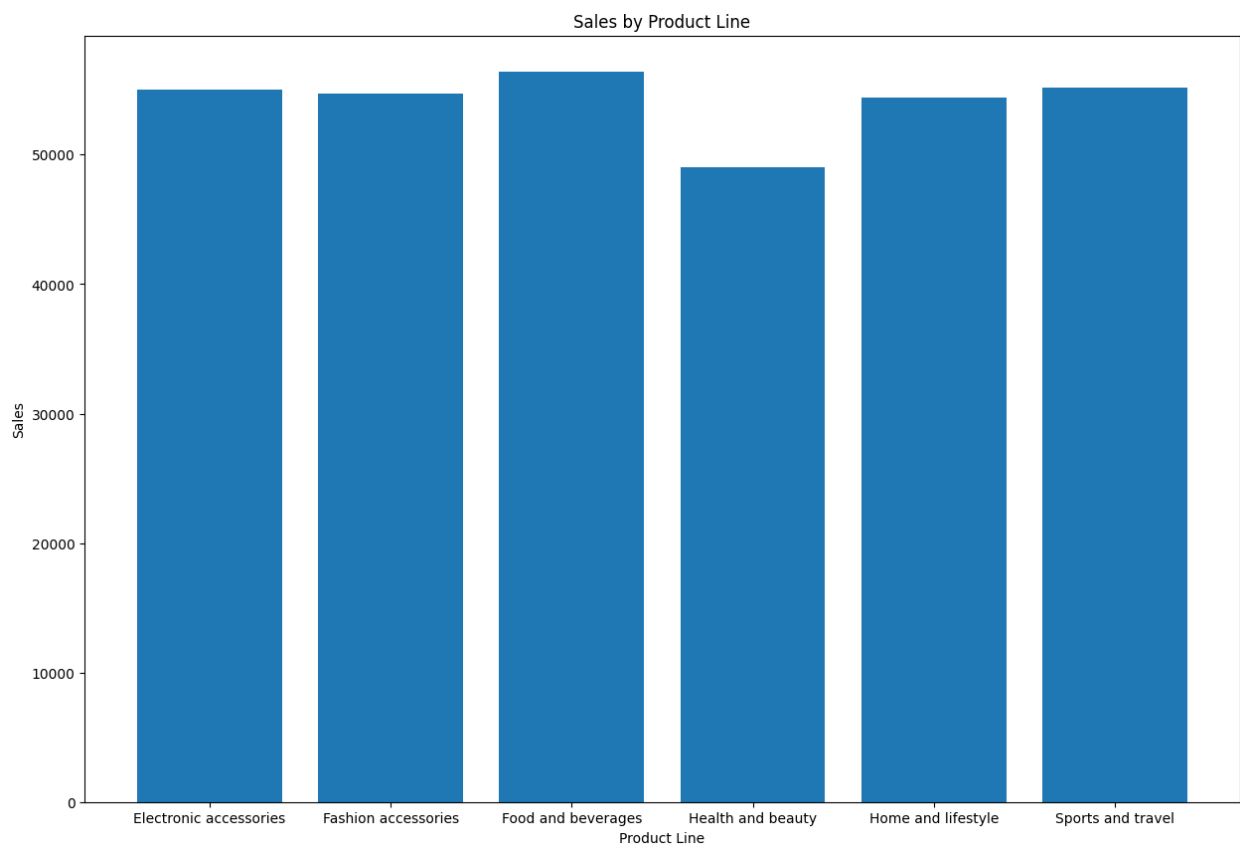
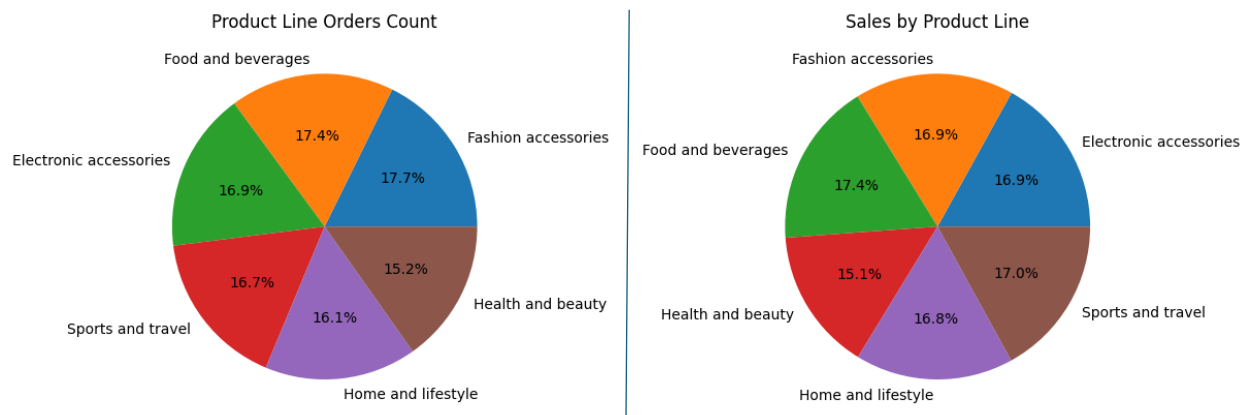
1- Branches: with 3 Branches (Mandalay, Naypyitaw, Yangon)

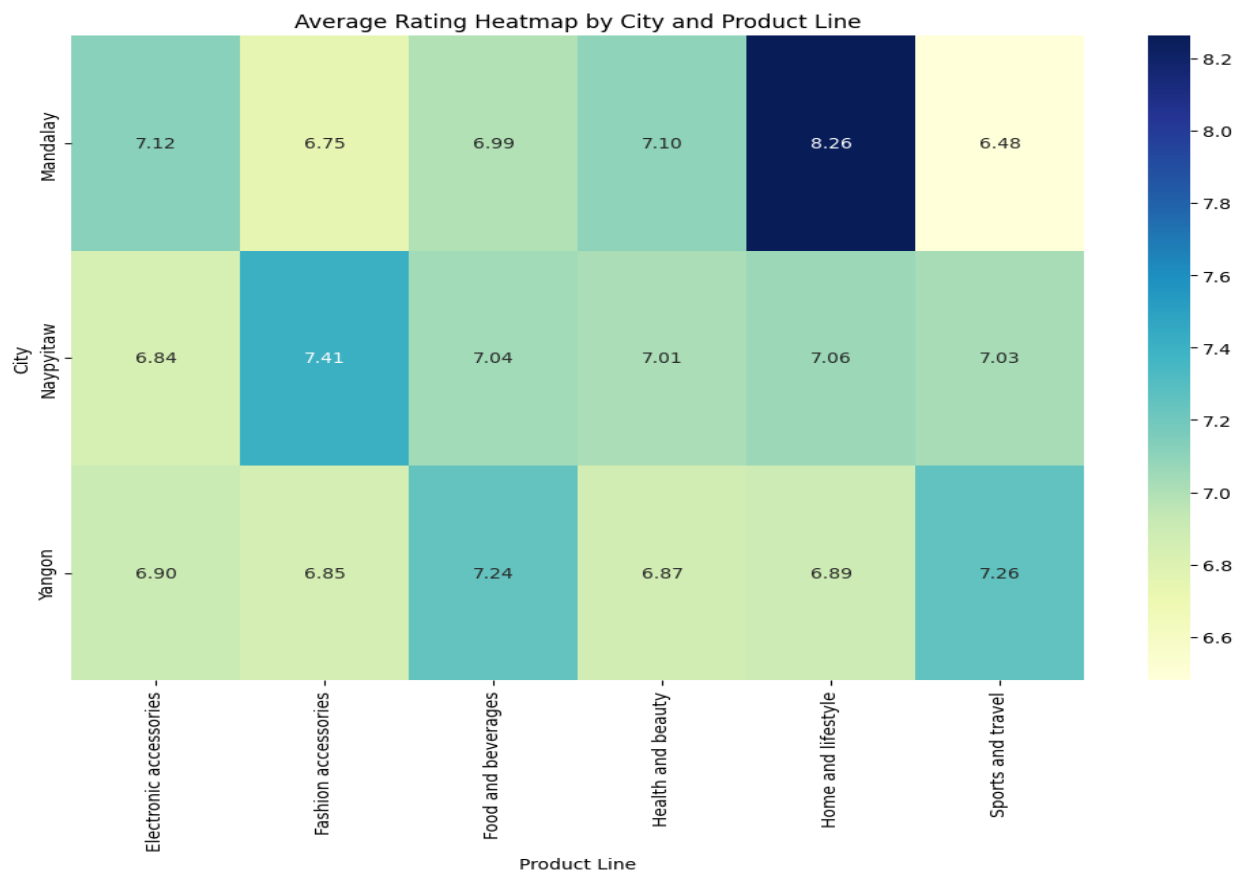
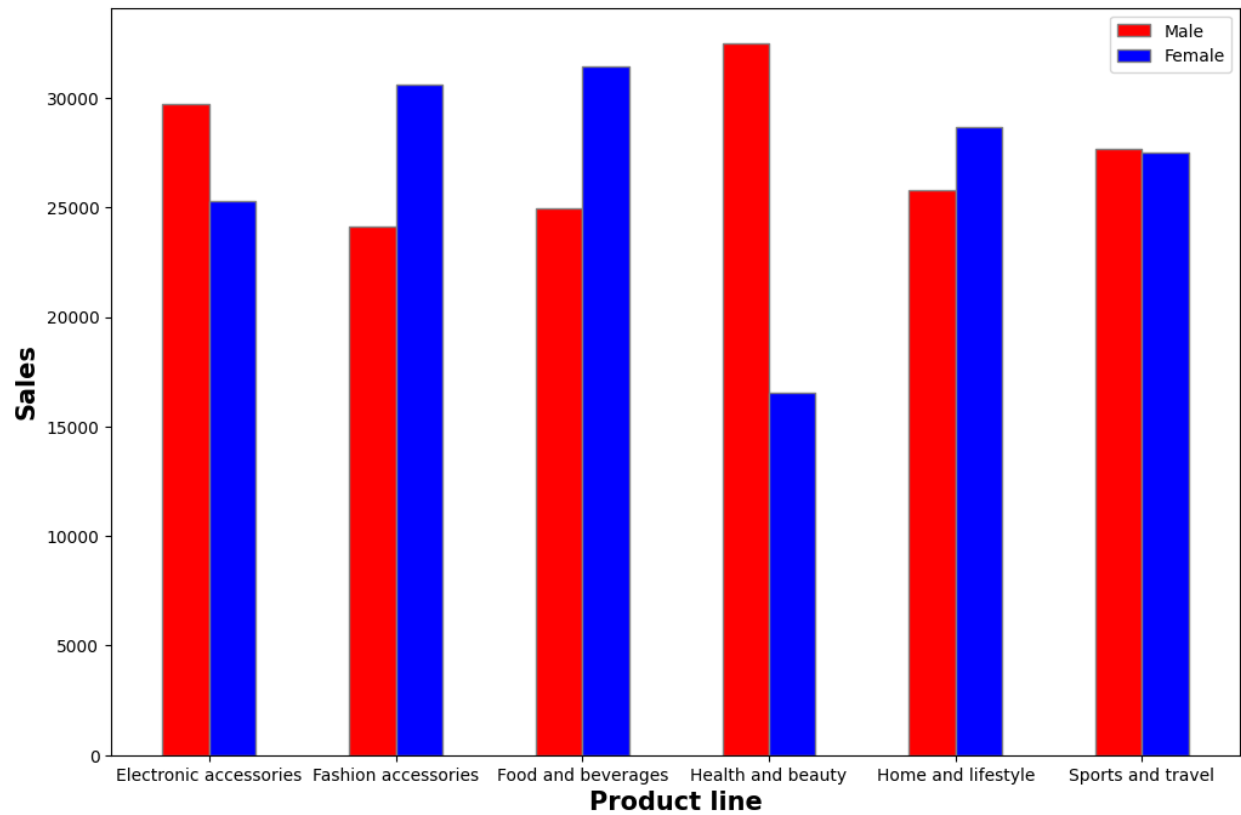


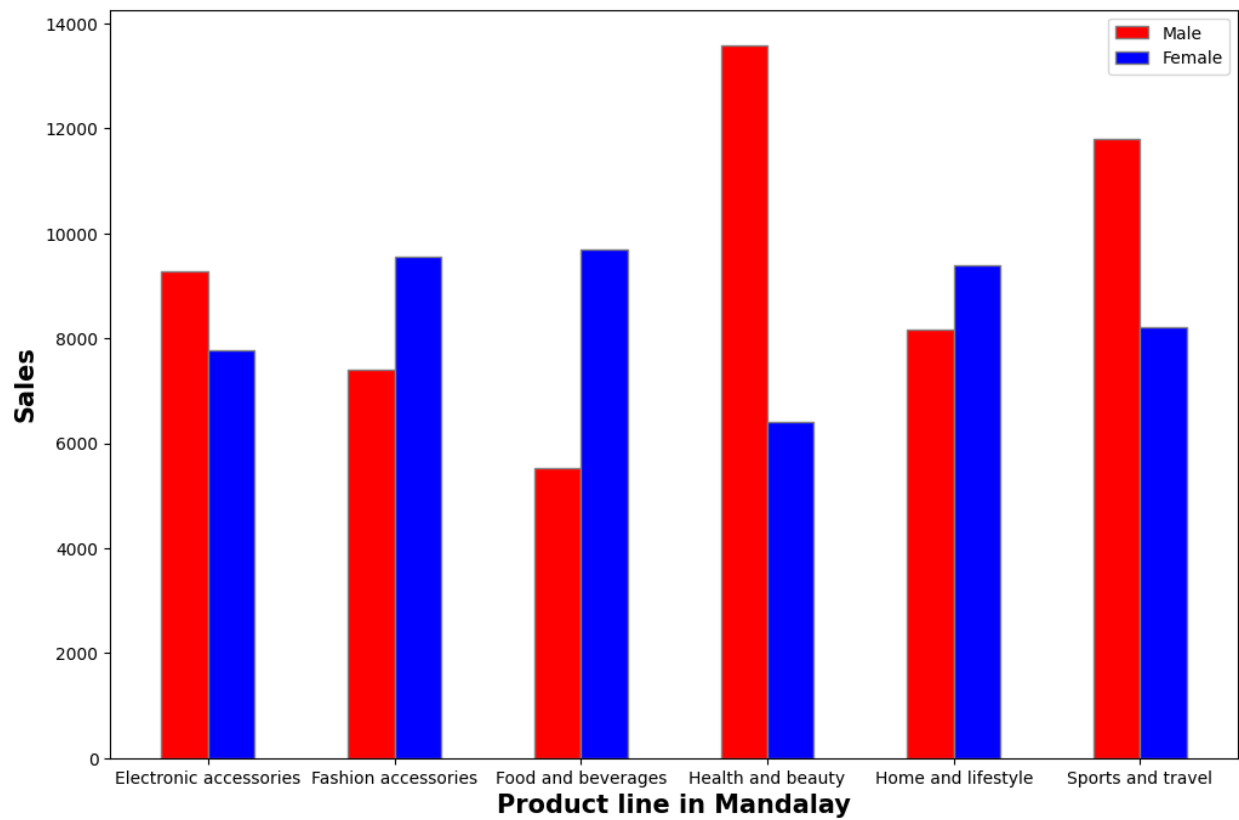
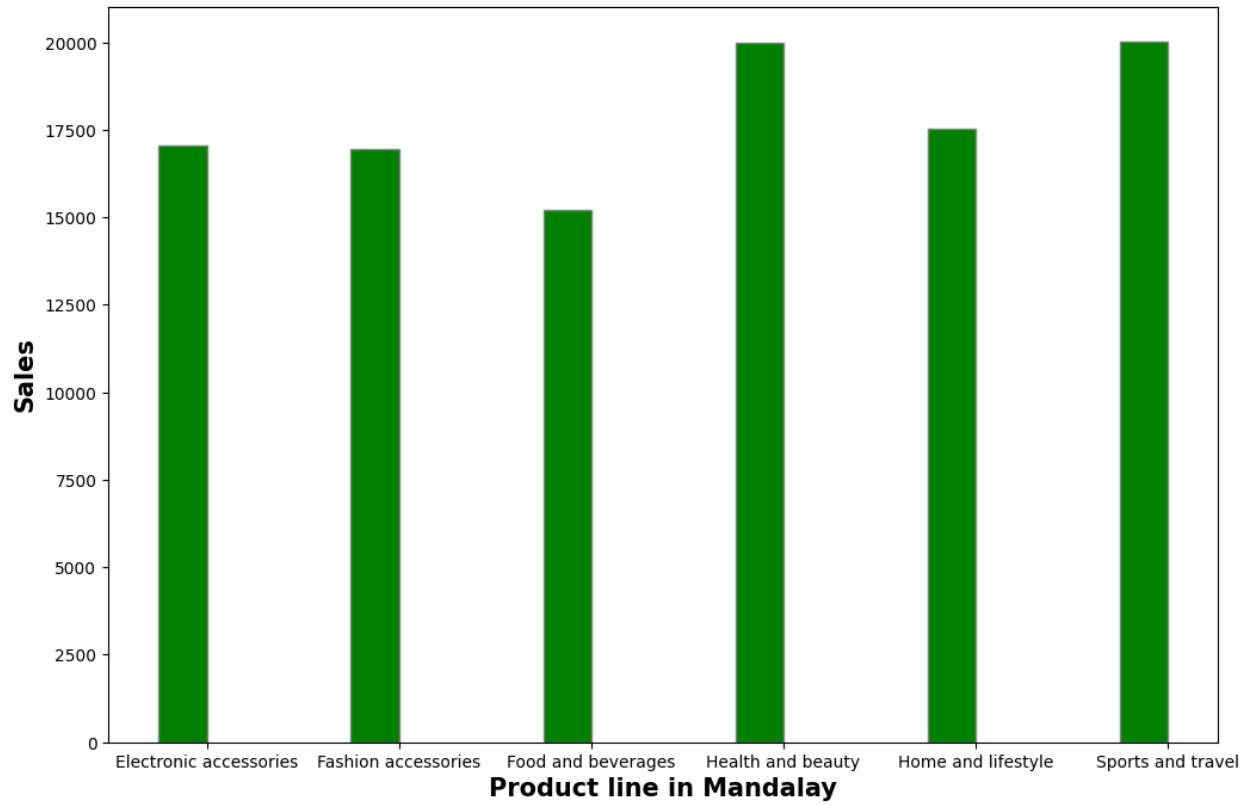


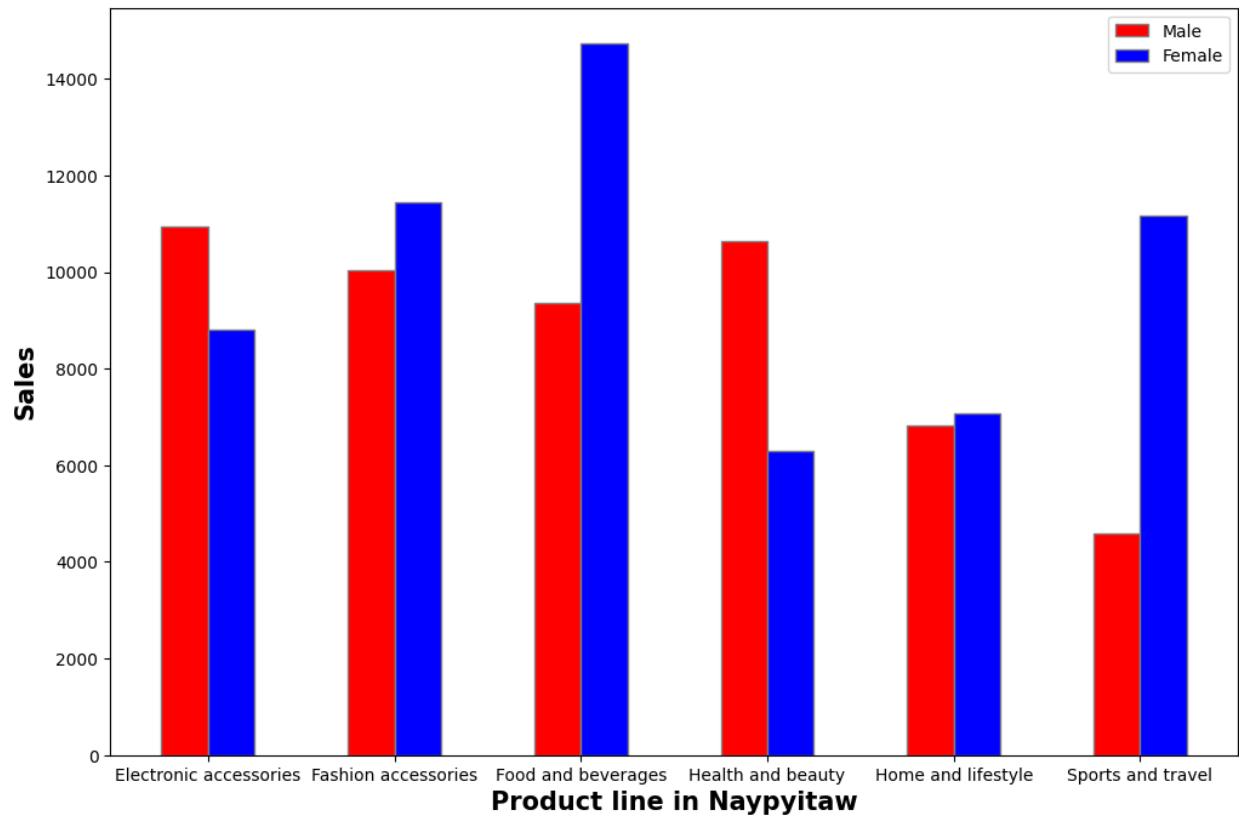
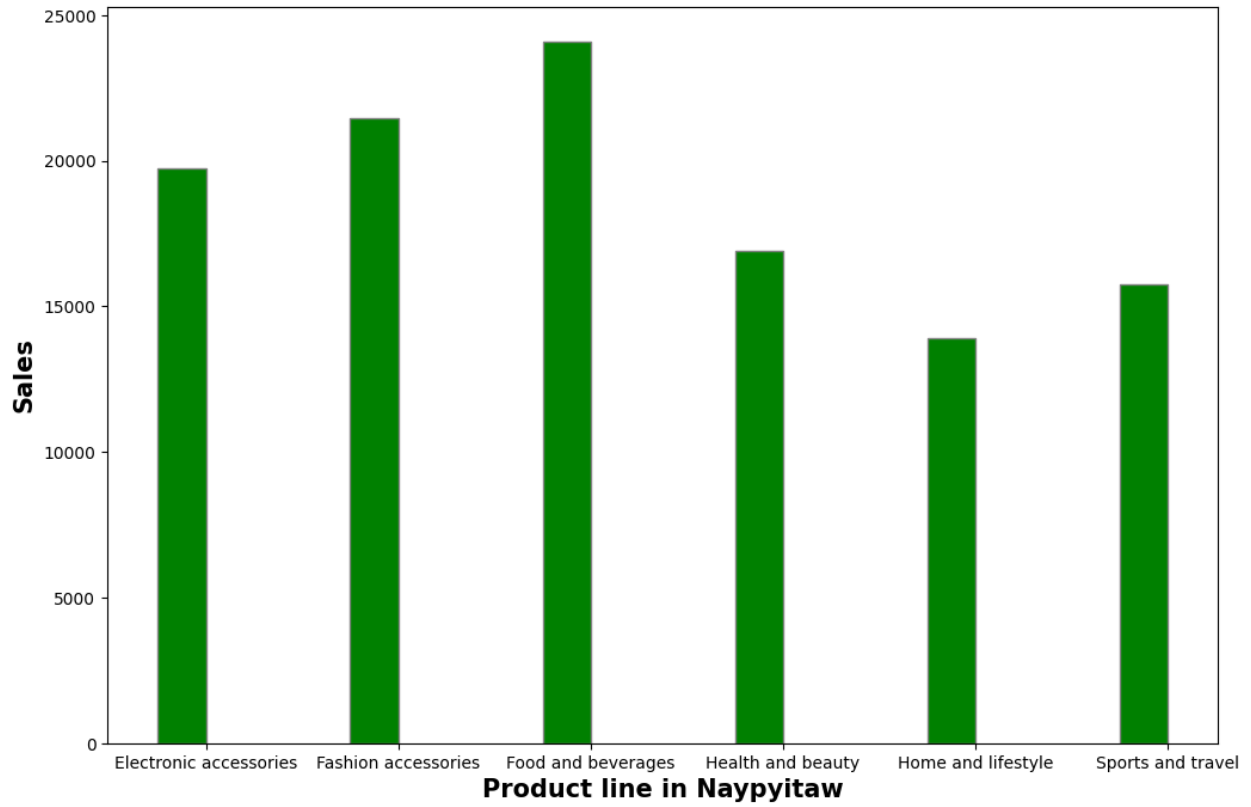


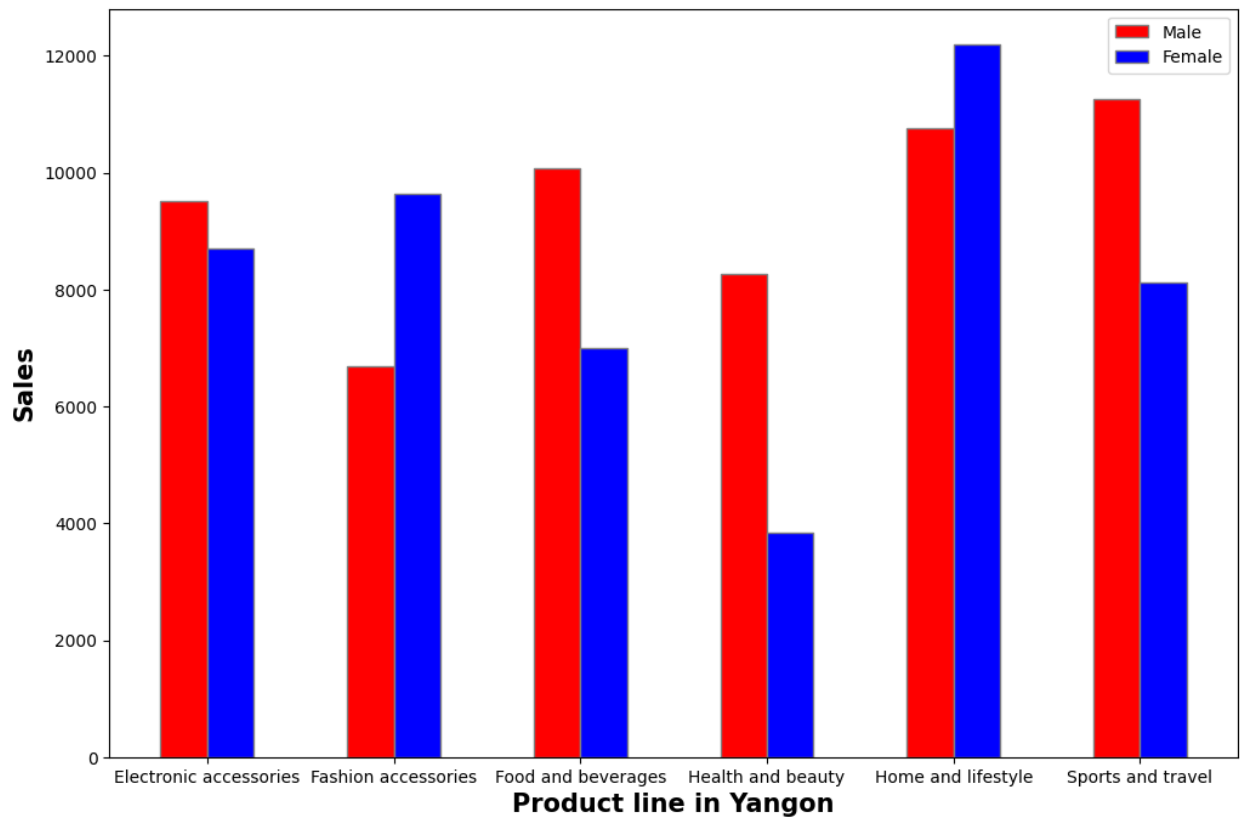
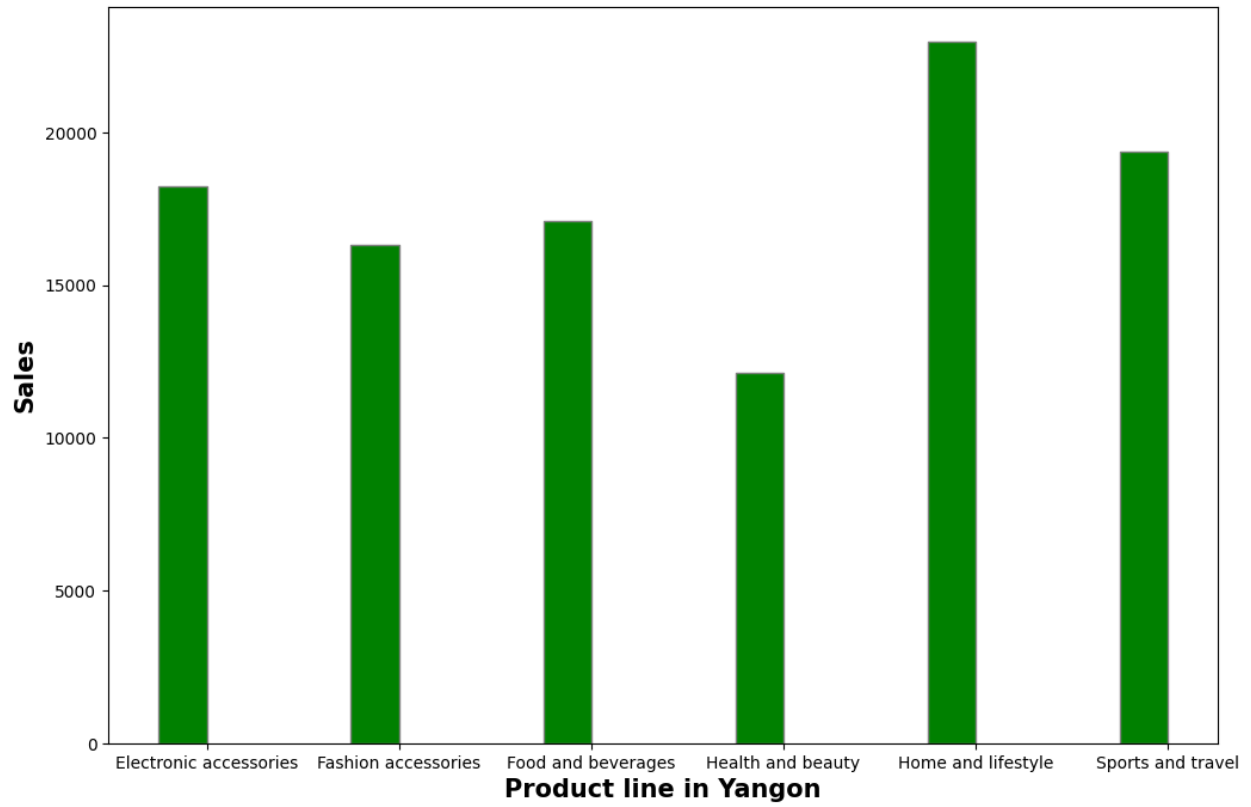
2- Product Lines: with 6 product Lines (Electronic accessories, Fashion accessories, Food and beverages, Health and beauty, Home and lifestyle, Sports and travel)











Payment Methods

