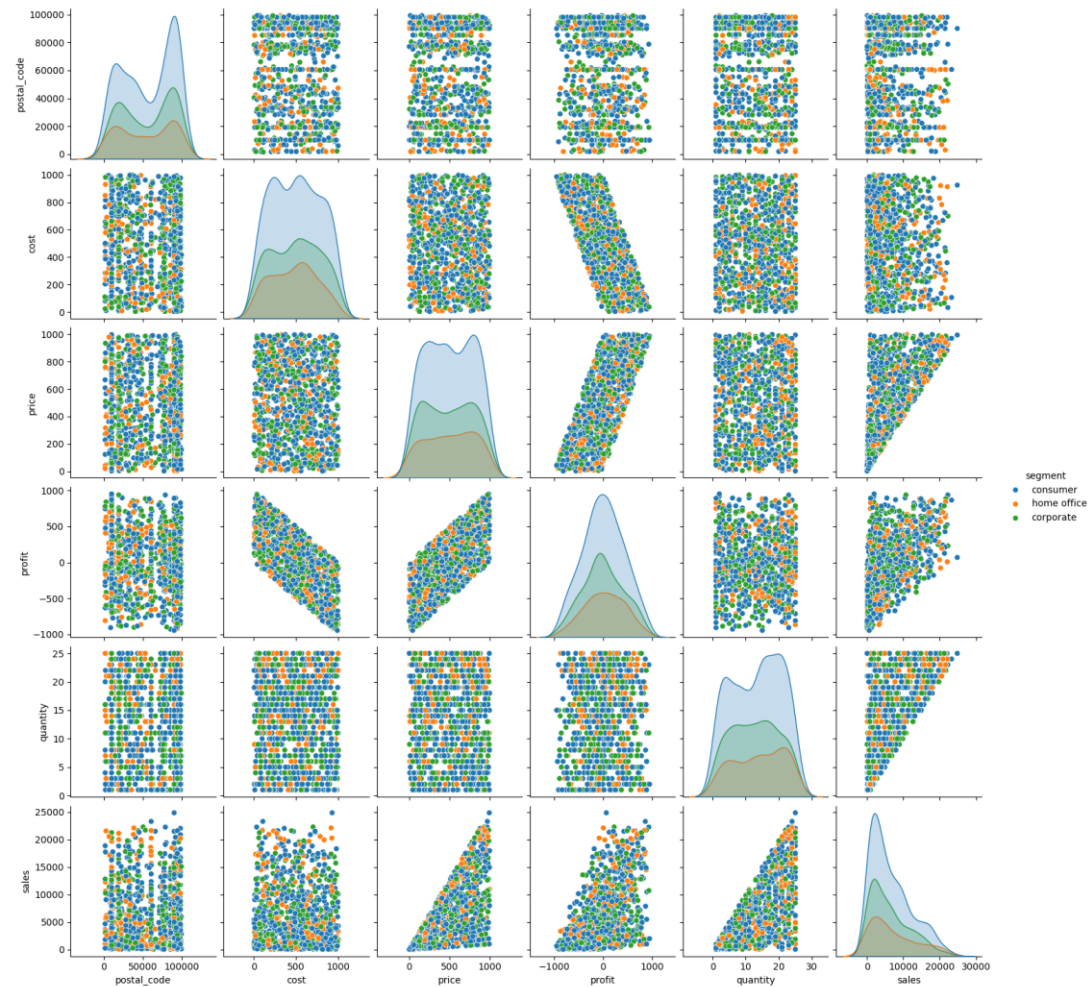


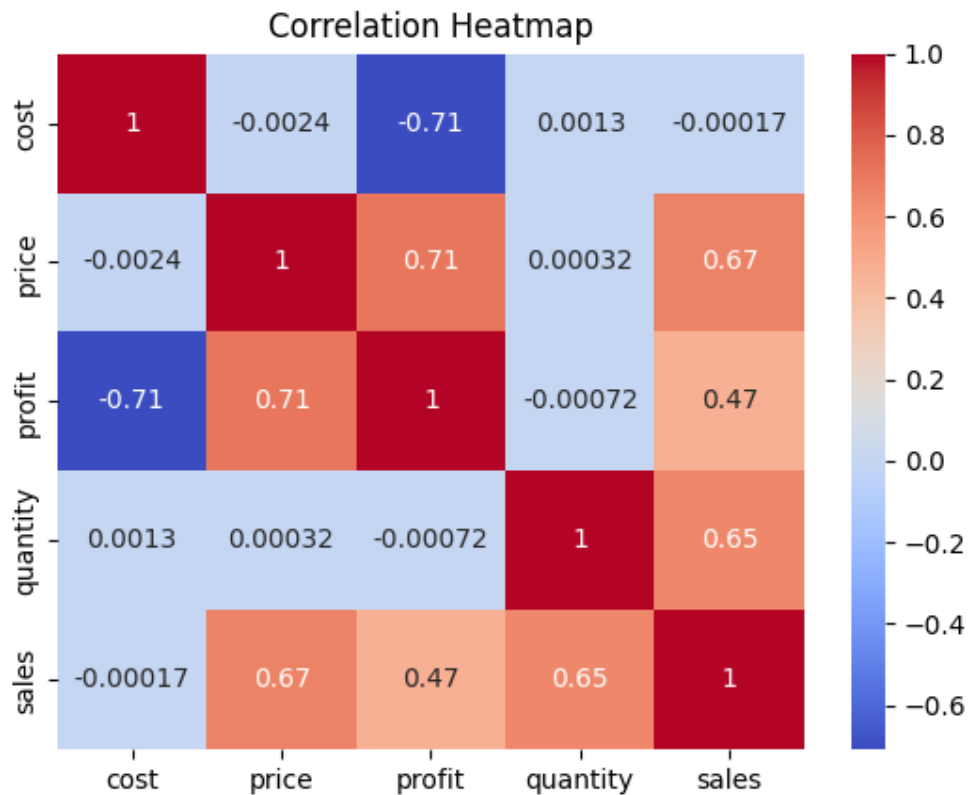
Exploratory Data Analysis (EDA)

Pair Plot with sample size of 1000



Insights:

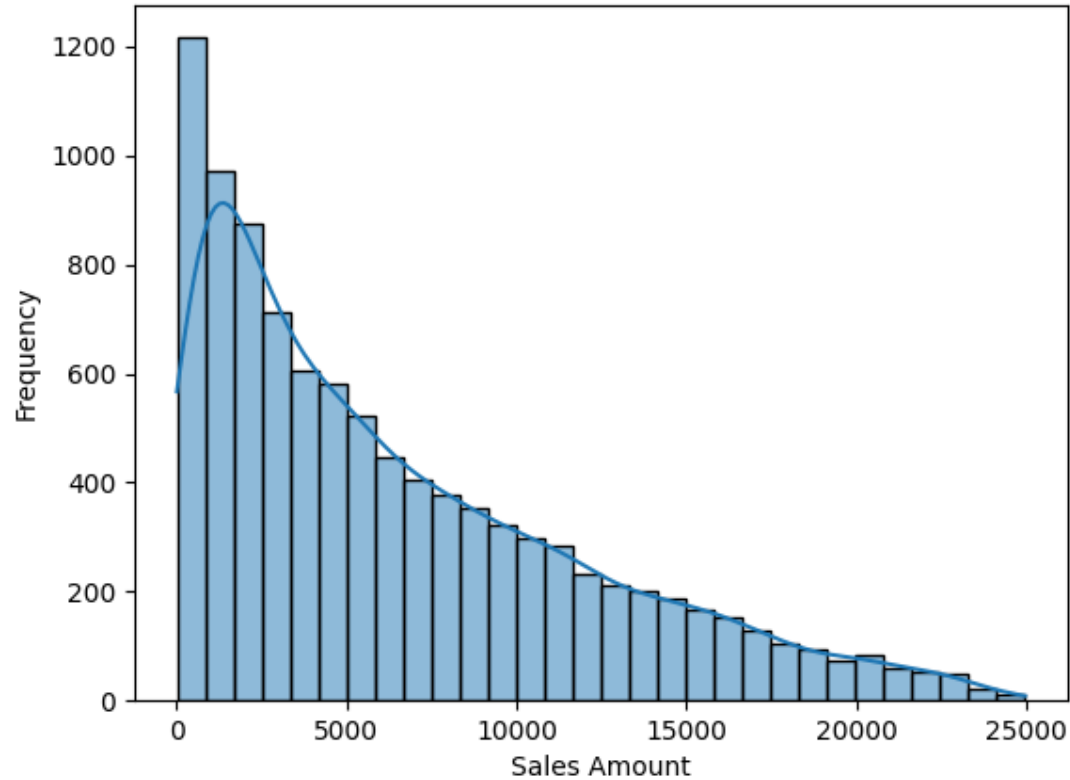
- Some concentrated groups in the postal code graphs indicate that more orders are being placed from specific areas.
- There are a few sales, profit with products having high cost and large sales with products having low cost.
- There are more purchases for smaller quantities of items than for large quantities.



Insights:

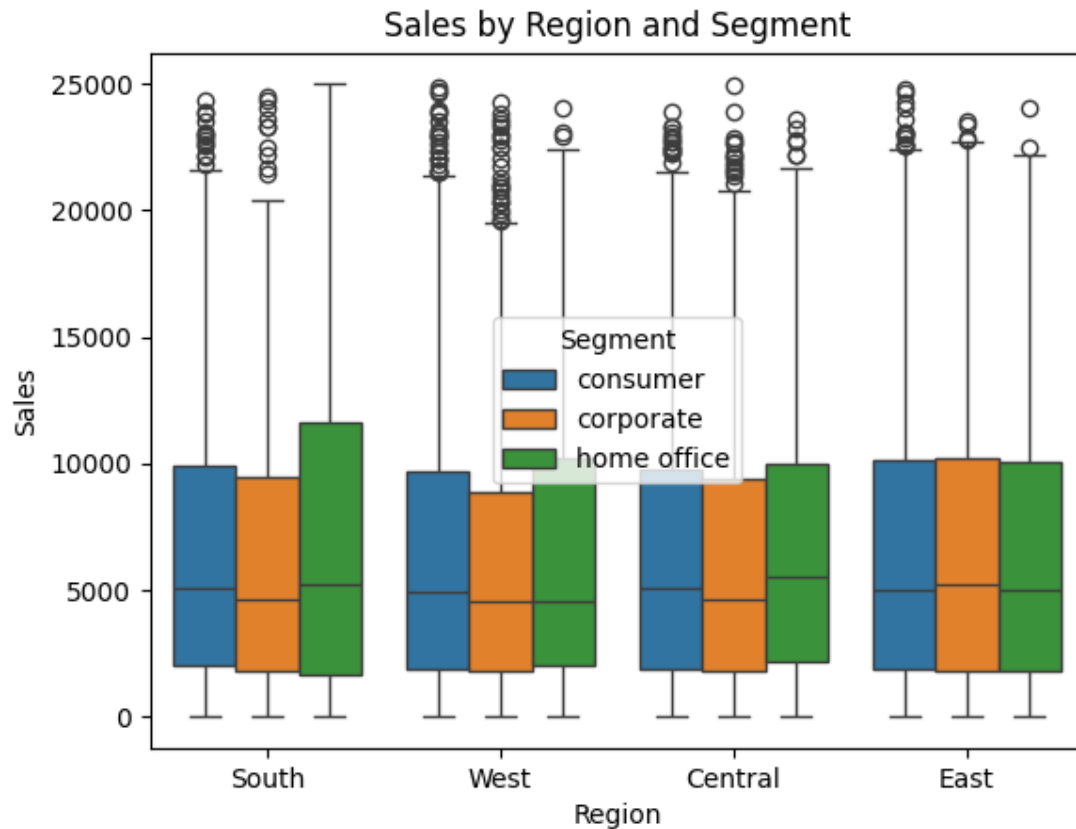
- There is a strong negative correlation (inverse proportionality) between profit and cost, showing that profit decreases when cost is increased.
- There is a strong positive correlation (proportionality) between price and profit, indicating that profit increases when cost increases.
- There is a positive correlation (proportionality) between quantity and sales highlighting that when quantity increases, the sales increase.

Sales Distribution



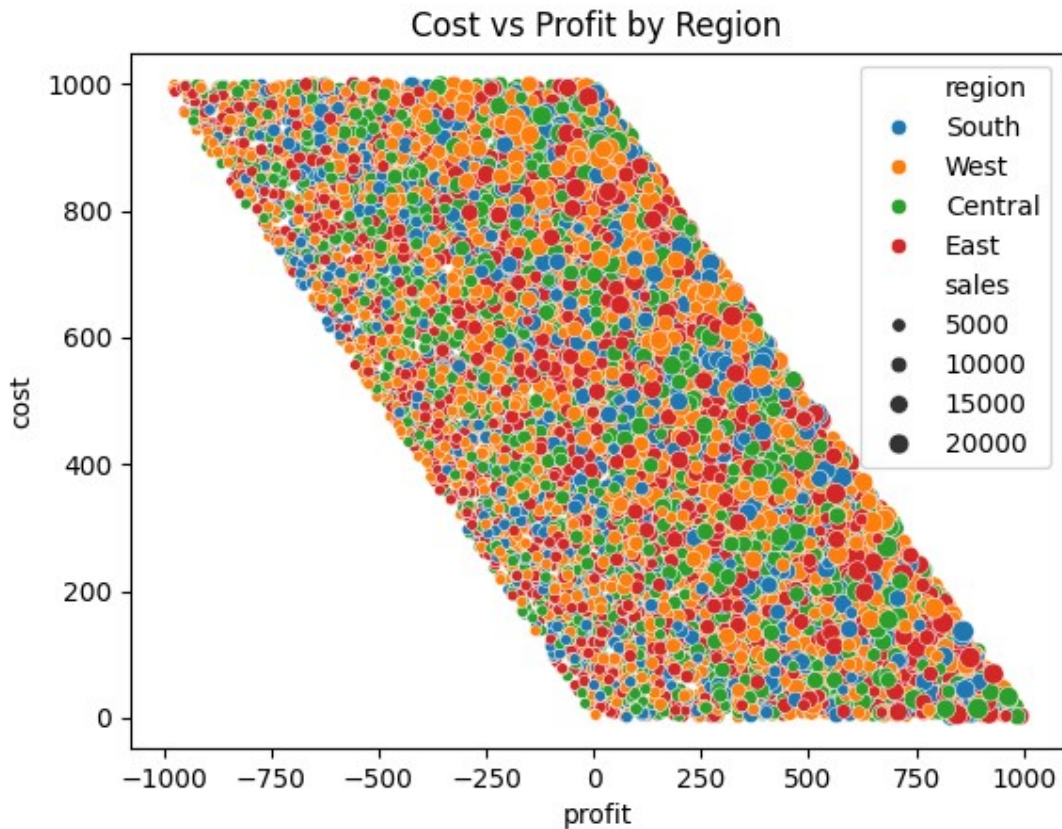
Insights:

- There are low sales that are more frequent compared to high sales, indicating that there are more orders or products that have low sales value compared to high sales value.



Insights:

- For all the regions the 75% of sales are of lower values, which indicates that there are more low sales compared to high sales, while there are also a few outliers of high sales in each region.



Insights:

- A strong negative correlation (inverse proportionality) exists between cost and profit. Sales patterns are consistent among all regions.