Dear [Recipient’s Name],

I received the sample dataset from the Data Engineering team and have been analyzing it on behalf of the Data Science team. Below are the insights derived from the analysis:

Findings from my analysis:

* The overview of the dataset consists of columns such as customer id, product id, category, customer type, unit price, quantity, total, payment type.
* The dataset covers sales data from [start date] to [end date].
* The distribution of quantities sold is skewed to the right, indicating that a few products have significantly high sales quantities.
* There is a strong positive correlation between the quantity sold and the price, suggesting that higher-priced products tend to be sold in larger quantities.

Recommendations on “How to better stock the items that they sell”.

* Collect additional information about the products, such as product categories or attributes, to gain a deeper understanding of sales patterns.
* Conduct further analysis of sales trends over time (e.g., monthly or quarterly) to identify seasonality and potential growth opportunities.
* Depending on the chosen problem statement, additional datasets may be necessary. For instance, if modeling product demand, including data on stock levels or weather conditions could be beneficial.
* Investigate customer segmentation using demographics or purchasing behavior to identify key target groups for tailored marketing strategies.

Please let me know if there are any specific requirements or further actions needed to complete this task for the client.

Best regards,

RaajaSree A K