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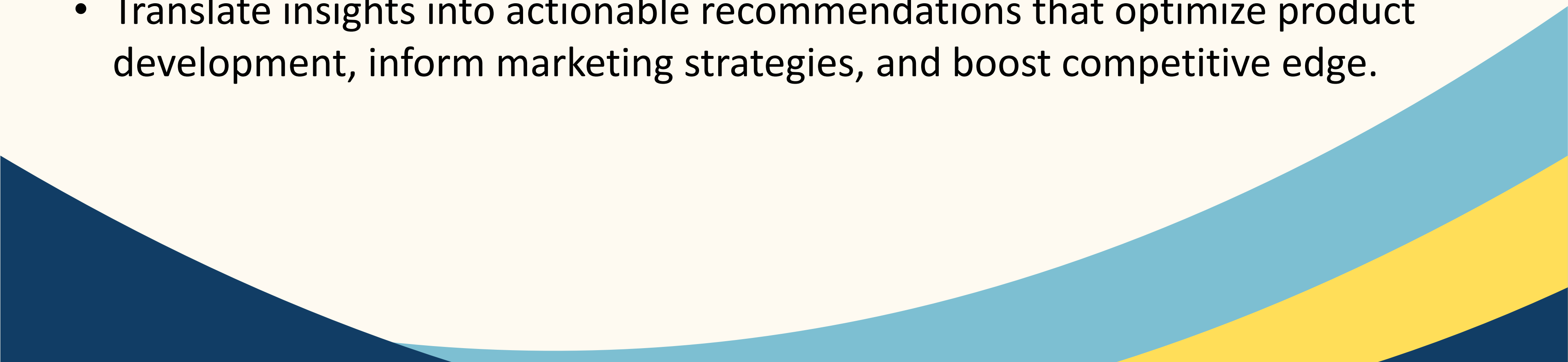
Assignment

About Data

This dataset is having the 50000 sales orders data that consist of columns as following :

1. Order ID
2. Quantity
3. Product Id
4. Seller Id
5. Freight Value
6. Customer Id
7. Order Status
8. Purchase Status
9. Payment Type
10. Product Category Name
11. Product Weight in gram

Objectives

- Conduct exploratory Data Analysis (EDA): Perform EDA to understand the distribution and relationships between variables from the data
 - Analyzing Sales Dataset is to identify sales patterns from order data that resonate with consumers and propel them to purchase.
 - Translate insights into actionable recommendations that optimize product development, inform marketing strategies, and boost competitive edge.
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Description Task

Exploring the data Sales involves a step-by-step process:

1. Check and prepare data to clean and handling missing values and ensuring consistency.
2. Summaries the data with statistical analysis: Use descriptive statistics with aggregation function (i.e sum, count, average, min, max) for searching meaningful information such as: top product sales, total amount, average amount, etc
3. Use Statistical methods to identify significant correlation/comparative/ distribution/trending between variables from the data
4. Visualize the data with charts and graphs to see patterns and relationships (min. 3 graph)
5. Use related python library to handle all of tasks
6. Upload your source code with python extension file such as .py or .ipynb and file .rawgraphs (if you used visualize data using rawgraphs)
7. Tomorrow some of you will present the result of your assignment

Python Libraries

- We will use the following libraries:
 1. Pandas: Data manipulation and analysis
 2. Numpy: Numerical operations and calculations
 3. Matplotlib: Data visualization and plotting
 4. Seaborn: Enhanced data visualization and statistical graphics
 5. Scipy: Scientific computing and advanced mathematical operations
 6. RawGraph: A free and open source tool for data visualization (<https://www.rawgraphs.io/>)



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Thank You

Any Question?