

Instructions:

1. Data Exploration:

- Import the dataset into your preferred data analytics tool (e.g., Python with Pandas).
- Perform basic data cleaning (handle missing values, remove duplicates, etc.).
- Explore the dataset by reviewing the first few rows and checking the column names.

2. Data Analysis:

- Calculate basic statistics (mean, median, and standard deviation) for numerical columns such as **Price** and **Sales**.
- Identify the correlation between **Price** and **Sales**. Does a higher price lead to more or fewer sales?

3. Visualization:

- Create a scatter plot to visualize the relationship between **Price** and **Sales**.
- Generate a line plot to show the trend of **Sales** over time (if there is a time-related column).
- Use histograms or box plots to analyze the distribution of **Price** and **Sales**.

4. Answer Key Questions:

- What is the overall trend of sales when the price increases or decreases?
- Are there any specific price ranges where sales tend to be higher or lower?
- Does the dataset show any seasonal variations in sales (e.g., higher sales during certain months or holidays)?

5. Conclusion:

- Based on your findings, what insights can you draw about the relationship between product prices and sales volume?
- If you were the manager of the store, what pricing strategy would you recommend to maximize sales based on your analysis?

Tools/Technologies to Use:

- **Python:** Pandas, Matplotlib, Seaborn for data manipulation and visualization.