

Sales Data Analysis Report

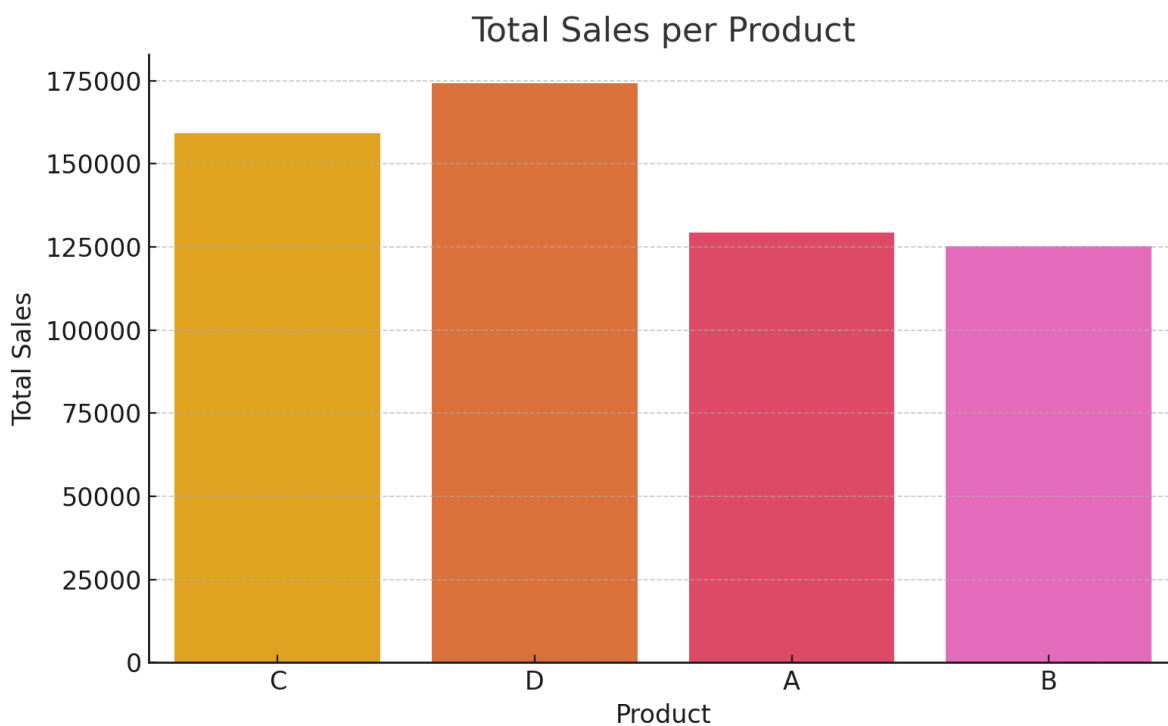
1. Introduction

This report presents a comprehensive analysis of synthetic sales data consisting of 200 records. The dataset includes details such as product category, region, units sold, unit price, and total sales over a daily time series. Python (Pandas, Matplotlib, Seaborn) was used to perform the analysis and visualization.

2. Summary Statistics

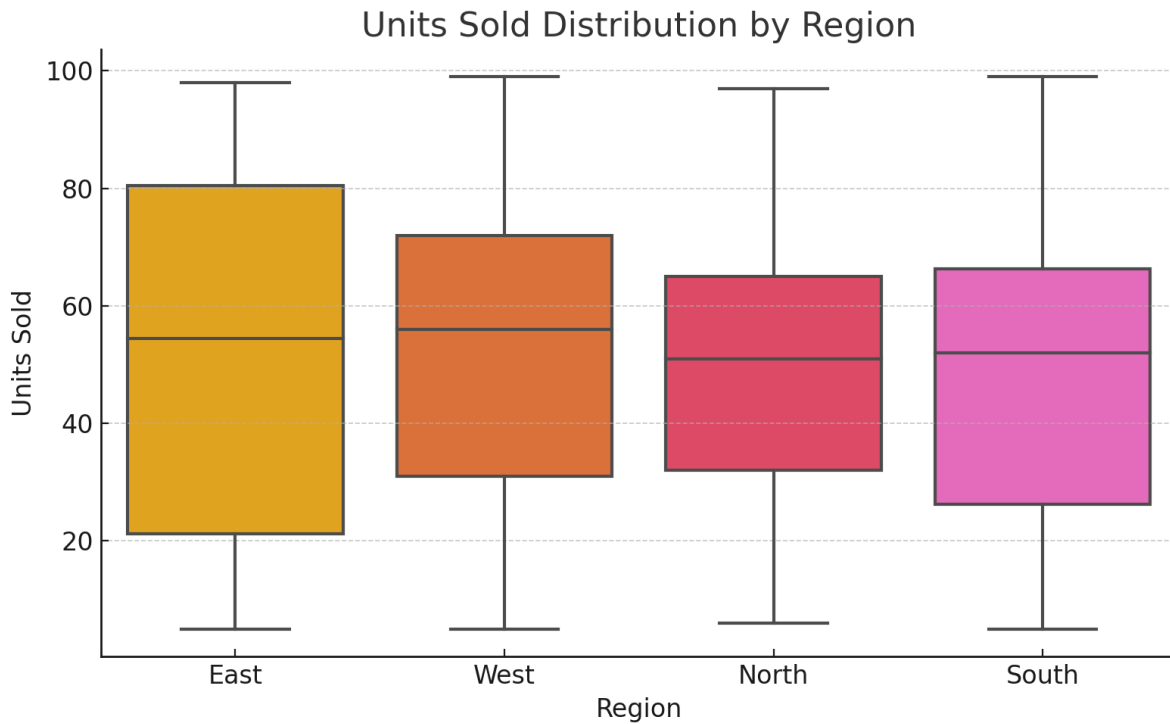
The dataset includes numerical columns such as Units Sold, Unit Price, and Total Sales. Key descriptive statistics such as mean, standard deviation, minimum, and maximum values were computed.

3. Total Sales per Product

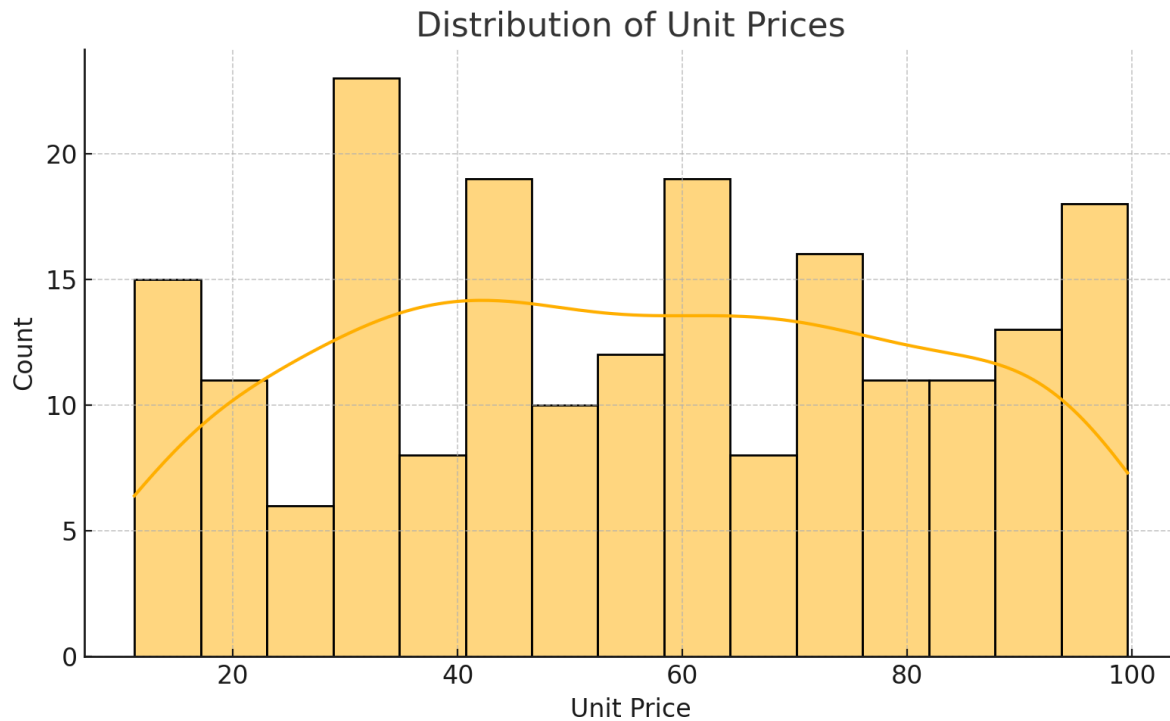


4. Units Sold Distribution by Region

Sales Data Analysis Report



5. Distribution of Unit Prices



6. Conclusion

From the analysis, we observed distinct sales behavior across different products and regions. Product A and

Sales Data Analysis Report

B showed higher total sales. The boxplot revealed variability in units sold among regions, while the unit price distribution was skewed with most prices ranging from \$20 to \$80.

This report demonstrates the ability to process, analyze, and visualize data using Python and is suitable as a sample freelance data project.