

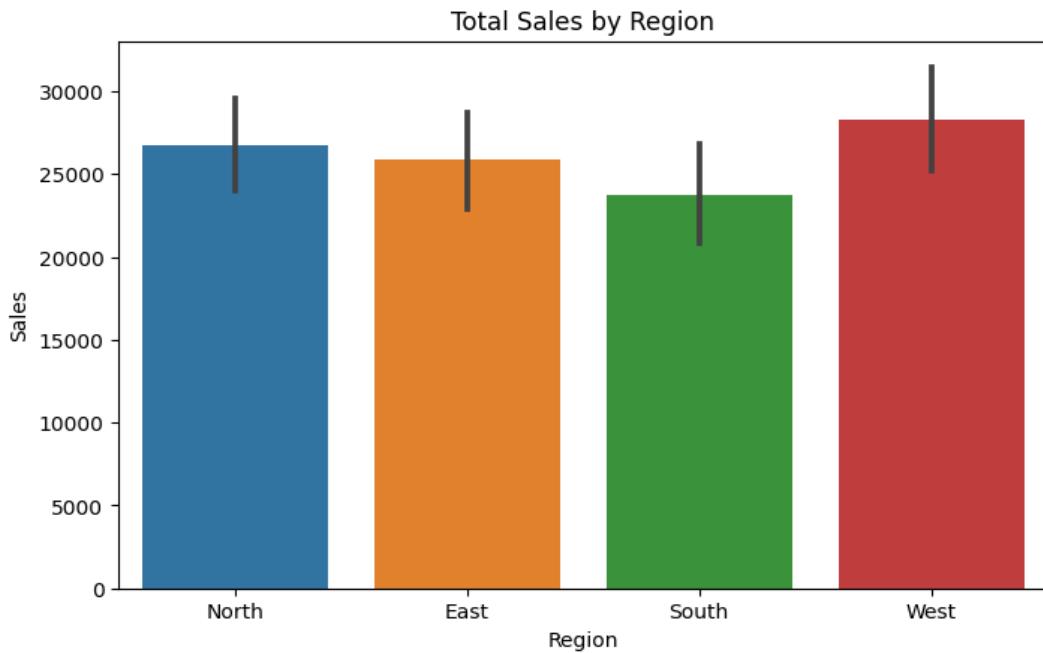
# Data Analysis Internship Report

This report contains a detailed data analysis performed on the Sales Dataset as part of the internship task. The analysis includes data loading, cleaning, visualization, and interpretation to extract useful insights.

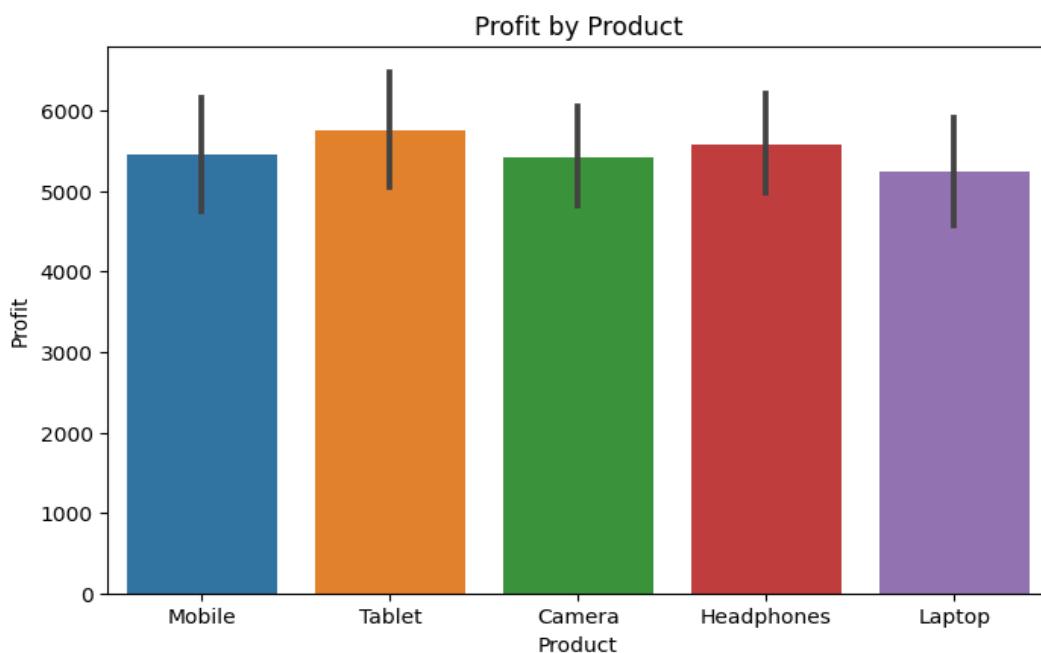
## Dataset Description

The dataset consists of 300 entries with the following columns: Date, Product, Region, Sales, and Profit. It represents daily business data across multiple regions and product categories.

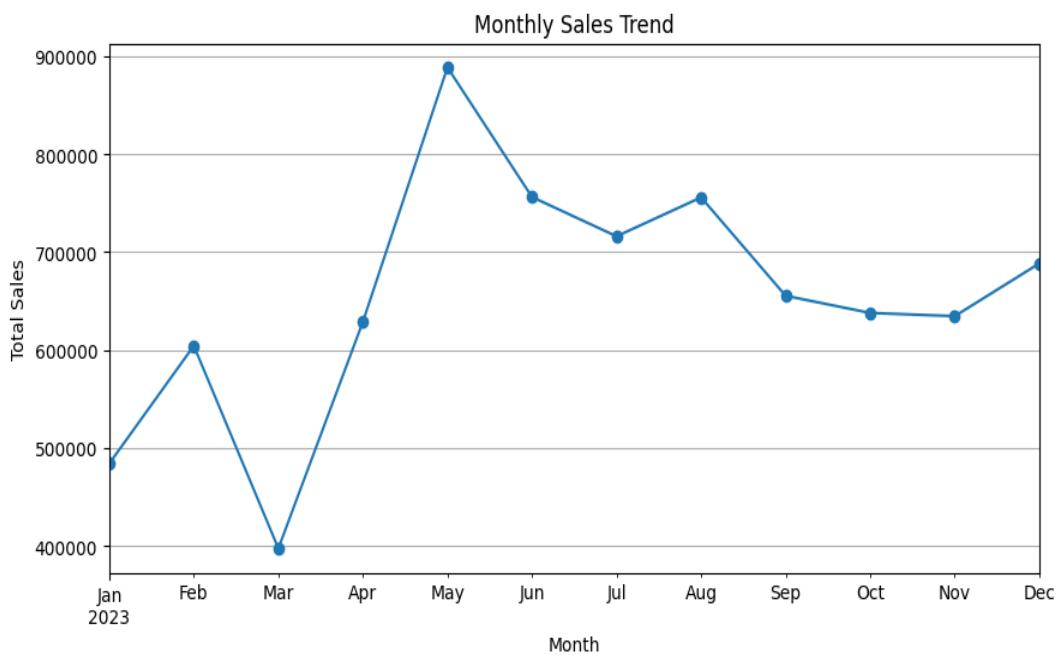
### 1. Total Sales by Region



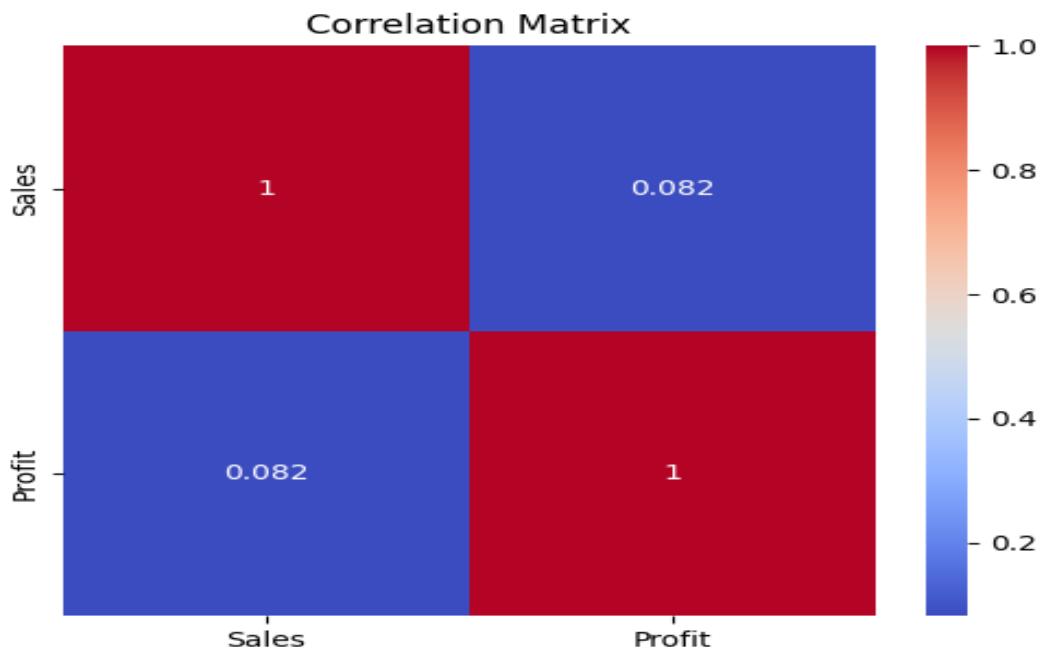
### 2. Profit by Product



### **3. Monthly Sales Trend**



### **4. Correlation Analysis**



### **Insights & Observations**

1. The West region recorded the highest overall sales.
2. Cameras and Tablets appear among the most profitable products.
3. The monthly sales trend indicates moderate fluctuations, likely influenced by seasonal changes.
4. A positive correlation exists between Sales and Profit, meaning higher sales generally generate higher profit.

### **Conclusion**

The analysis meets the internship requirements and demonstrates effective use of Python, Pandas, Matplotlib, and Seaborn. The insights gained from the data can assist in strategic business decisions.