

## Task 2 - Data Visualization Report

Internship Role: Data Analyst Intern

Dataset: Superstore Sample Data

Tools Used:

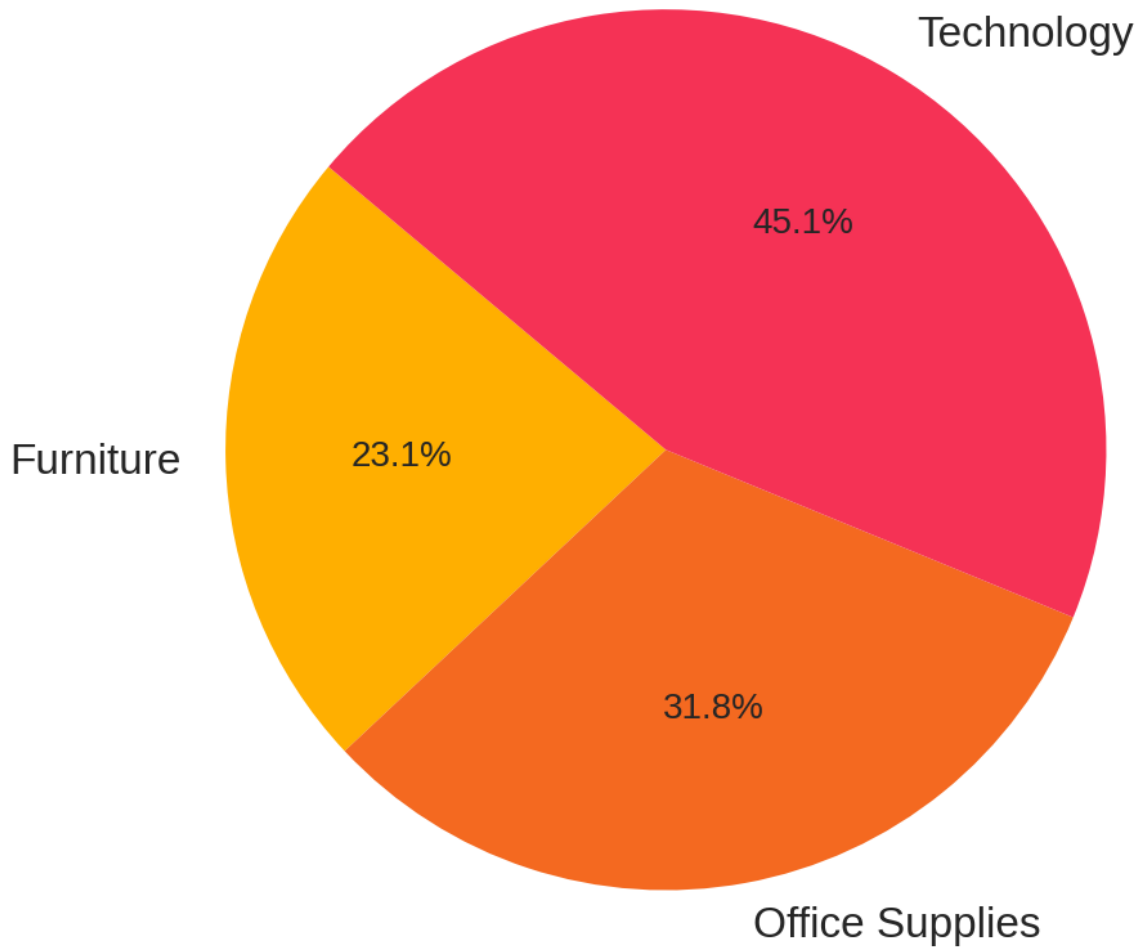
- Power BI (conceptually): for visual design approach and layout inspiration
- Python (Matplotlib & Seaborn): for generating charts
- FPDF: for PDF creation

This report uses a sample of the Superstore dataset.

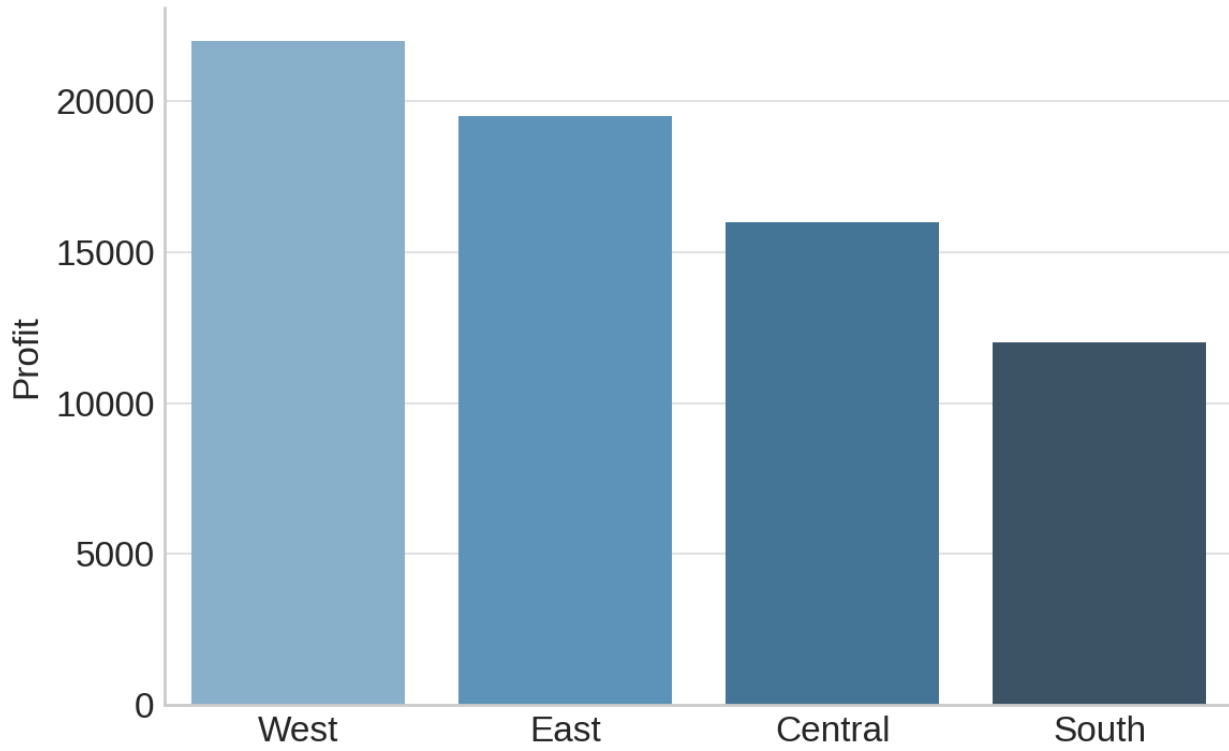
Charts Included:

- Sales Distribution by Product Category (Pie Chart)
- Profit by Region (Bar Chart)
- Monthly Sales Trend (Line Chart)
- Sales vs Profit by Product Category (Scatter Plot)

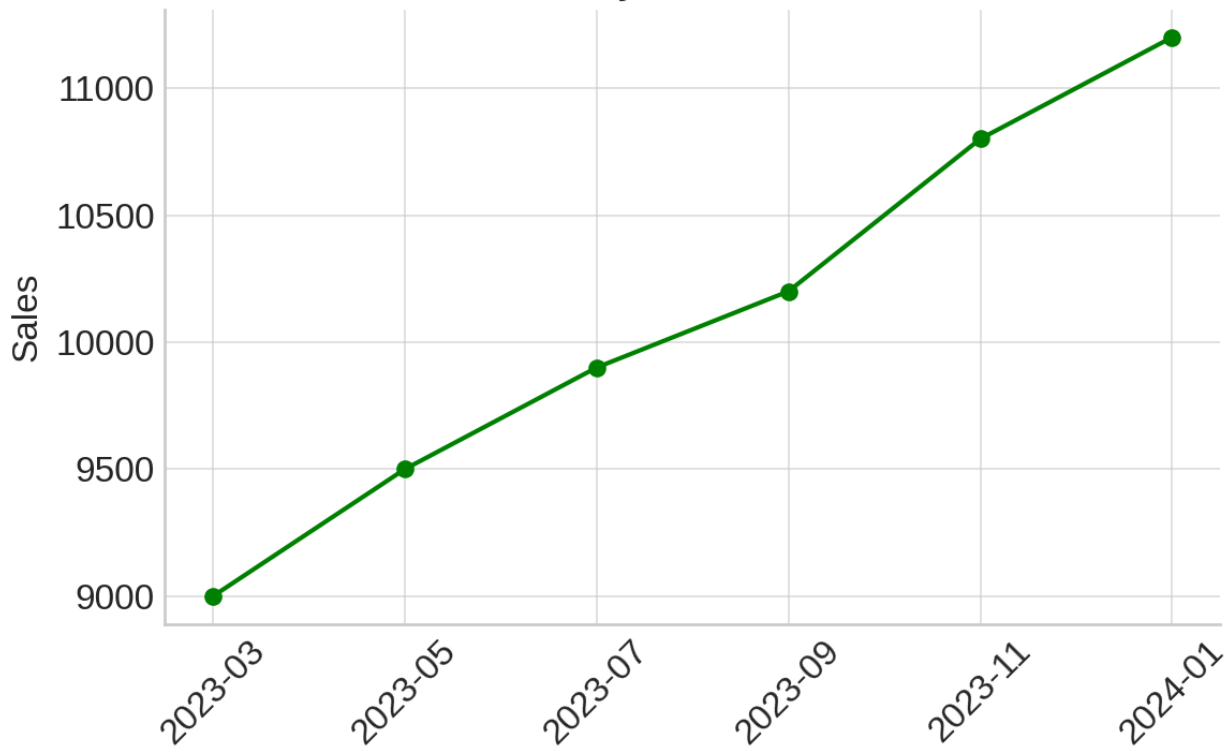
# Sales Distribution by Product Category



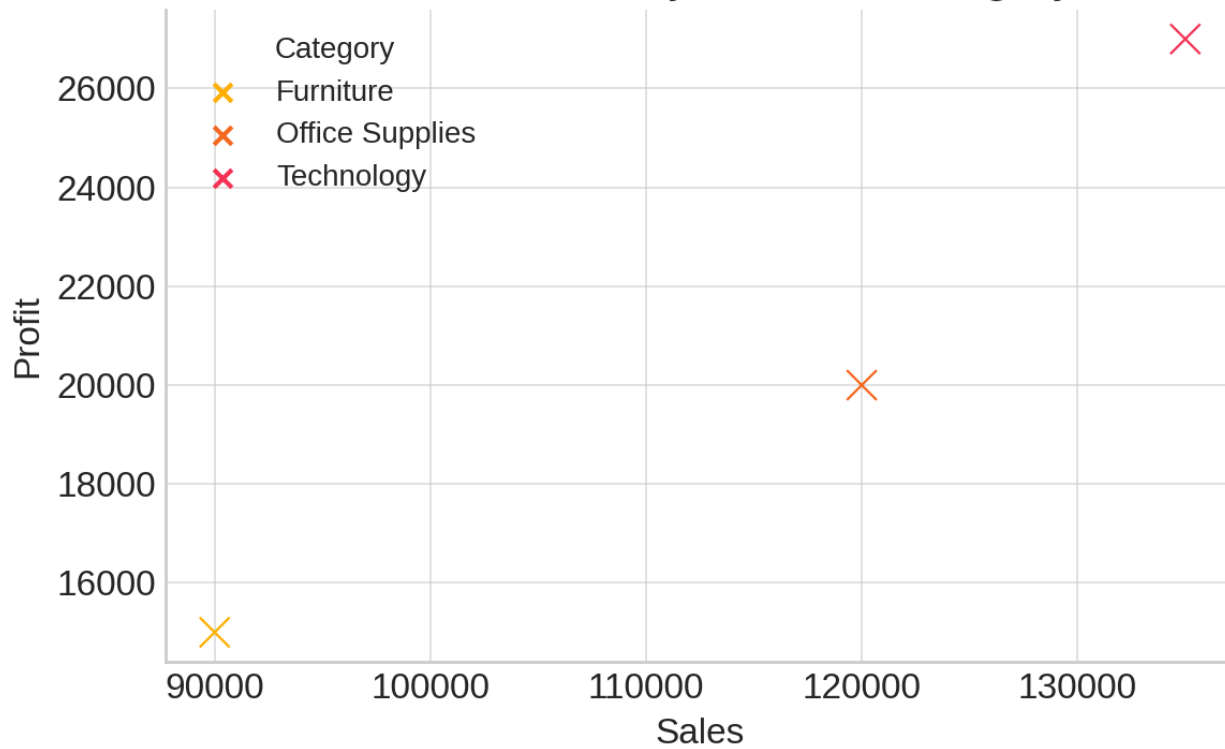
### Profit by Region



### Monthly Sales Trend



## Sales vs Profit by Product Category



### Key Takeaways:

- Technology leads in both sales and profit.
- The West region shows strong profit margins.
- Sales trend shows steady monthly growth.
- Higher sales tend to correlate with higher profit, especially in Technology.

*Submitted by: Priyanka Sinha*