

# Task 04 - Advanced Data Visualization

## (Matplotlib + pandas)

### Steps:

1. Loaded dataset into pandas DataFrame.
2. Created scatter plot of Sales vs Profit using Matplotlib.
3. Added text labels for each data point (Category).
4. Applied seaborn regression plot to overlay statistical trend line.

### Observations:

- Scatter plots with labels provide clear insights into individual data points.
- Regression overlay helps identify correlation between Sales and Profit.
- Combining Matplotlib, pandas, and seaborn enhances visualization flexibility.



Figure 1 Rgression Overlay

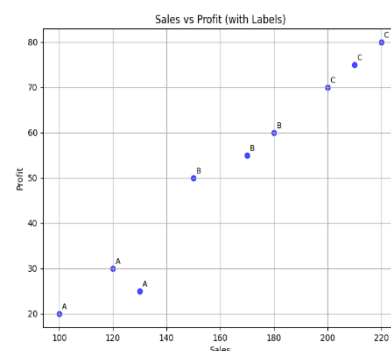


Figure 2 Scatter Plot