

Day 10 – June 29, 2025

Topic: Data Visualization in Python (Matplotlib & Seaborn)

Introduction

Today, I learned to visualize data for better understanding and insights.

Techniques

- Plotted line, bar, and scatter plots using Matplotlib.
- Used Seaborn for heatmaps and correlation plots.

Example

```
import matplotlib.pyplot as plt
plt.plot([1,2,3],[4,5,6])
plt.show()
```

Challenges Faced

- Choosing appropriate chart types for data.

Key Learnings

- Visualization simplifies data analysis.
- Helps detect patterns and outliers.

Conclusion / Reflection

Visual representation makes data insights clearer. I plan to use it in AI projects.