Day 12 – 8 July 2024

Training Day 12 Report

Date: 8 July 2024
 Topic: Customizing and Styling Graphs in Matplotlib

Summary:
 On Day 12, we focused on **advanced customization of plots in Matplotlib**. The trainer emphasized that making plots visually appealing is important for presentations and reports. We learned how to change **line styles, markers, and colors** to make data trends more distinguishable.

We explored adding **grids, ticks, and annotations** to plots. For example, we highlighted maximum and minimum points on line graphs, labeled specific bars in bar charts, and added horizontal and vertical grid lines for better readability. The trainer also demonstrated customizing figure sizes, fonts, and plot backgrounds.

Hands-on exercises included plotting student scores with highlighted top performers, comparing monthly sales with different colors for each category, and adding annotations to explain data points. This day helped me understand how to make visualizations not only accurate but also professional and easy to interpret.

Key Learnings:

- Customized line styles, markers, and colors for clarity.

- Added grids, ticks, and annotations to plots.

- Adjusted figure sizes, fonts, and backgrounds.

- Enhanced visual appeal of charts for presentations.

- Practiced professional data visualization techniques.

Conclusion:
 Day 12 improved my ability to present data clearly and professionally. I feel confident in creating visualizations that are both informative and visually attractive.