

## Day 13 – 9 July 2024

### Training Day 13 Report

**Date:** 9 July 2024

**Topic:** Introduction to Seaborn

#### Summary:

On Day 13, we were introduced to **Seaborn**, a Python library for **statistical data visualization**. The trainer explained that Seaborn simplifies creating attractive plots and works seamlessly with Pandas DataFrames.

We learned about **categorical plots**, including **countplots** and **barplots**, and explored various **color palettes and themes** to make plots visually appealing. Seaborn allows plotting complex data with less code compared to Matplotlib, which makes it efficient for analysis and reporting.

Practical exercises included visualizing student attendance, sales per category, and distribution of scores. We also customized plots using color palettes to differentiate data categories effectively.

#### Key Learnings:

- Learned the features and advantages of Seaborn.
- Created categorical plots such as countplots and barplots.
- Applied color palettes and themes for aesthetics.
- Integrated Seaborn with Pandas DataFrames for easy plotting.
- Practiced plotting real-world datasets efficiently.

#### Conclusion:

Day 13 helped me understand Seaborn as a powerful visualization tool. I can now create attractive and informative plots with minimal code.