Day 16 – 12 July 2024

Training Day 16 Report

Date: 12 July 2024
Topic: Final Practice and Mini-Project Discussion

Summary:
On the final day of training, we **reviewed all topics** covered, including Python basics, NumPy, Pandas, Matplotlib, and Seaborn. The trainer emphasized combining all these skills to work on real-world datasets.

We discussed the **mini-project on Student Dropout Prediction**. The trainer guided us on how to clean and manipulate data, visualize key features, and explore patterns related to student performance and dropout risk. We practiced identifying important features, analyzing distributions, and creating visualizations to understand the data better.

The session included hands-on exercises combining Python programming, NumPy calculations, Pandas data manipulation, and Matplotlib/Seaborn visualizations. This helped us consolidate our learning and prepare for the project implementation.

Key Learnings:

- Reviewed Python, NumPy, Pandas, Matplotlib, and Seaborn concepts.
- Practiced combining skills for real-world datasets.
- Learned project approach for Student Dropout Prediction.
- Identified key features and prepared data for analysis.
- Applied visualization and analysis techniques effectively.

Conclusion:
Day 16 consolidated all my learning throughout the training. I now feel confident applying Python programming, data handling, and visualization skills to real Machine Learning projects. The mini-project discussion helped me understand the workflow from data collection to visualization and analysis, preparing me for future ML tasks.