Task 6 - Data Wrangling & Preprocessing

Topics Covered

- 1. Handling Missing Data
- Drop or fill missing values.
- 2. Outlier Detection
 - Using IQR method or visualization.
- 3. Feature Scaling
 - Normalization, Standardization.
- 4. Encoding Categorical Data
 - One-hot encoding, label encoding.

Program 1

import pandas as pd

Program 2

from sklearn.preprocessing import StandardScaler, LabelEncoder import pandas as pd

Key Takeaways

- Learned techniques for handling missing data.
- Practiced outlier detection methods.
- Understood feature scaling for better ML model performance.
- Applied encoding techniques for categorical variables.
- Wrangling ensures datasets are clean and ready for ML pipelines.