Replication Guide

Steps to Replicate Results

1. **Set Up Environment**

   o **Install Python (>=3.8) and required dependencies:**

2. **pip install pandas numpy scikit-learn xgboost**

3. **Prepare Dataset**

   o **Ensure datasets are stored in C:\Users\chiam\OneDrive\Desktop\ISE\lab2\datasets.**

   o **Each dataset should be in CSV format.**

4. **Run Experiments**

   o **Execute the script to analyse datasets and train models:**

5. **python script.py**

6. **Validate Results**

   o **The output file model_performance_results1.csv will contain the performance metrics for each dataset and model iteration.**

   o **Compare with previously saved results to verify replication.**

By following these steps, you should be able to reproduce the reported results effectively.