

MANUAL

Overview

This tool is designed to evaluate the performance of the Random Forest regression model on multiple configurable software systems. It automatically reads datasets, trains the model, and outputs three key performance metrics:

- MAPE (Mean Absolute Percentage Error)
- MAE (Mean Absolute Error)
- RMSE (Root Mean Squared Error)

It repeats the experiment multiple times for each dataset to ensure robustness and consistency.

Usage Instructions

1. Ensure the dataset is in the same folder as the script.
2. Run the script:
 - Open your terminal or command prompt
 - Navigate to where the script is located
 - Run: `python assignment.py`
3. View the results: The script will display the average MAPE, MAE and RMSE for each dataset in the terminal