Prosperity Prognosticator: Machine Learning for Startup Success Prediction

Performance Test Documentation

Overview:

This document contains the performance testing script and instructions for evaluating

the machine learning model used to predict startup success.

Performance Test Script Summary:

- Accuracy

- Precision

- Recall

- F1 Score

- ROC-AUC

- Prediction Speed

Instructions:

1. Load the trained model using joblib.

2. Load test datasets X_test.csv and y_test.csv.

3. Run performance_test.py script.

4. Review printed performance metrics.

Folder Structure:

prosperity-prognosticator/

model.pkl

X_test.csv

y_test.csv

performance_test.py

train_model.py

requirements.txt

README.md

Requirements:

scikit-learn

pandas

numpy

joblib

How to Run:

python performance_test.py

Expected Output:

Accuracy

Precision

Recall

F1 Score

ROC-AUC

Prediction Time

End of Document