

Capstone 3 : Asteroids - Model Metrics Comparison

Model	Accuracy score	Precision (macro average)	Recall (macro average)	F1- score (macro average)
Logistic Regression	0.988273	0.86	0.83	0.84
Decision Tree Classifier	0.9998	1.00	1.00	1.00
SVM (linearSVC)	0.989801	0.87	0.83	0.85
Random Forest Classifier	0.999784	0.91	0.91	0.91

	Accuracy	Loss	Optimizer
Neural Network	0.996528	0.038896	Adamax

Final Model Choice : Decision Tree Classifier

Hyperparameters : criterion = entropy, all the rest default