

Model Performance Report

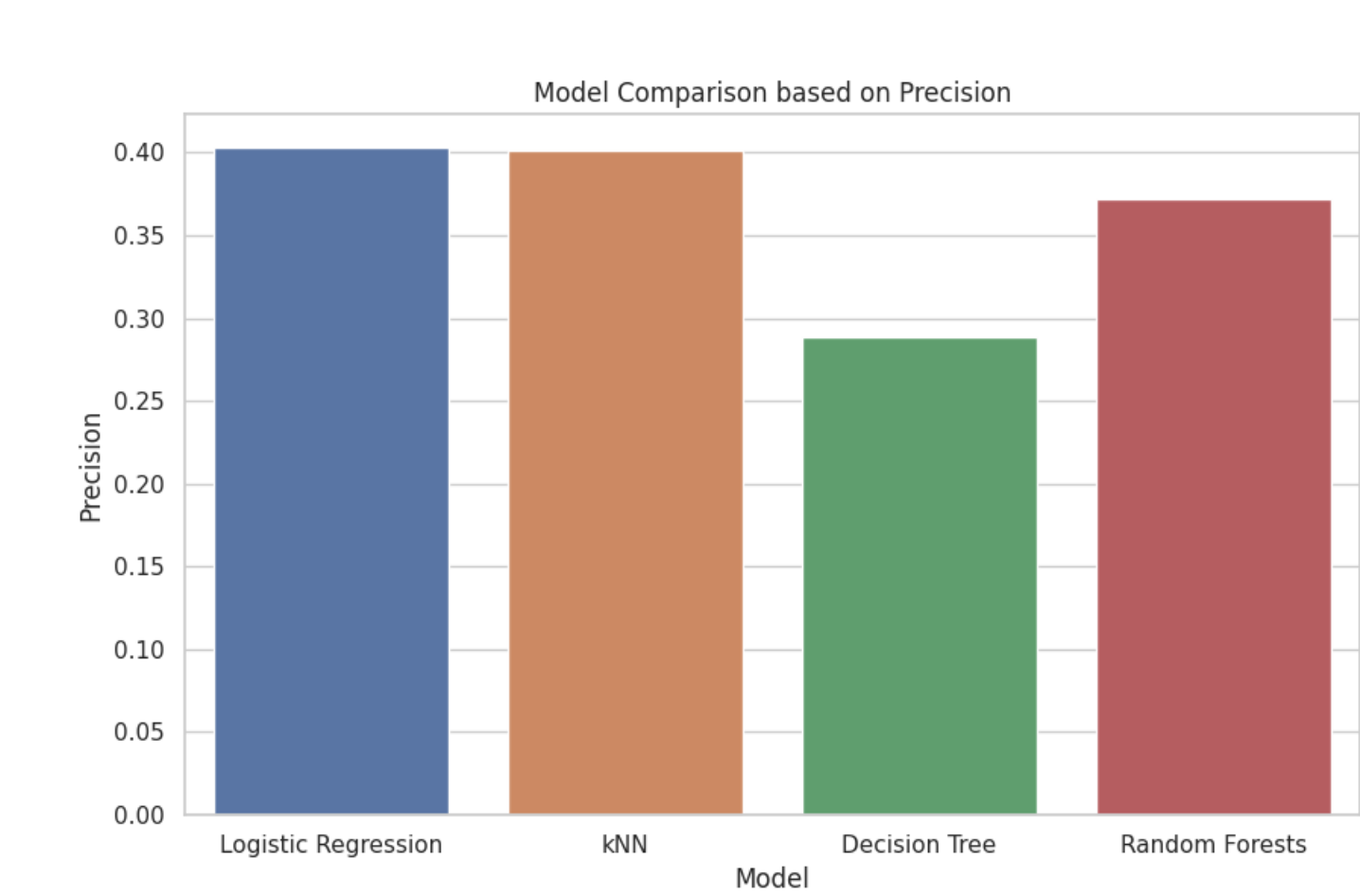
Model Performances

Model	Precision	Recall	F1-Score	Accuracy
Logistic Regression	0.403113	0.409375	0.402144	0.409375
kNN	0.400995	0.291667	0.239532	0.291667
Decision Tree	0.289037	0.293750	0.289431	0.293750
Random Forests	0.371611	0.379167	0.359221	0.379167

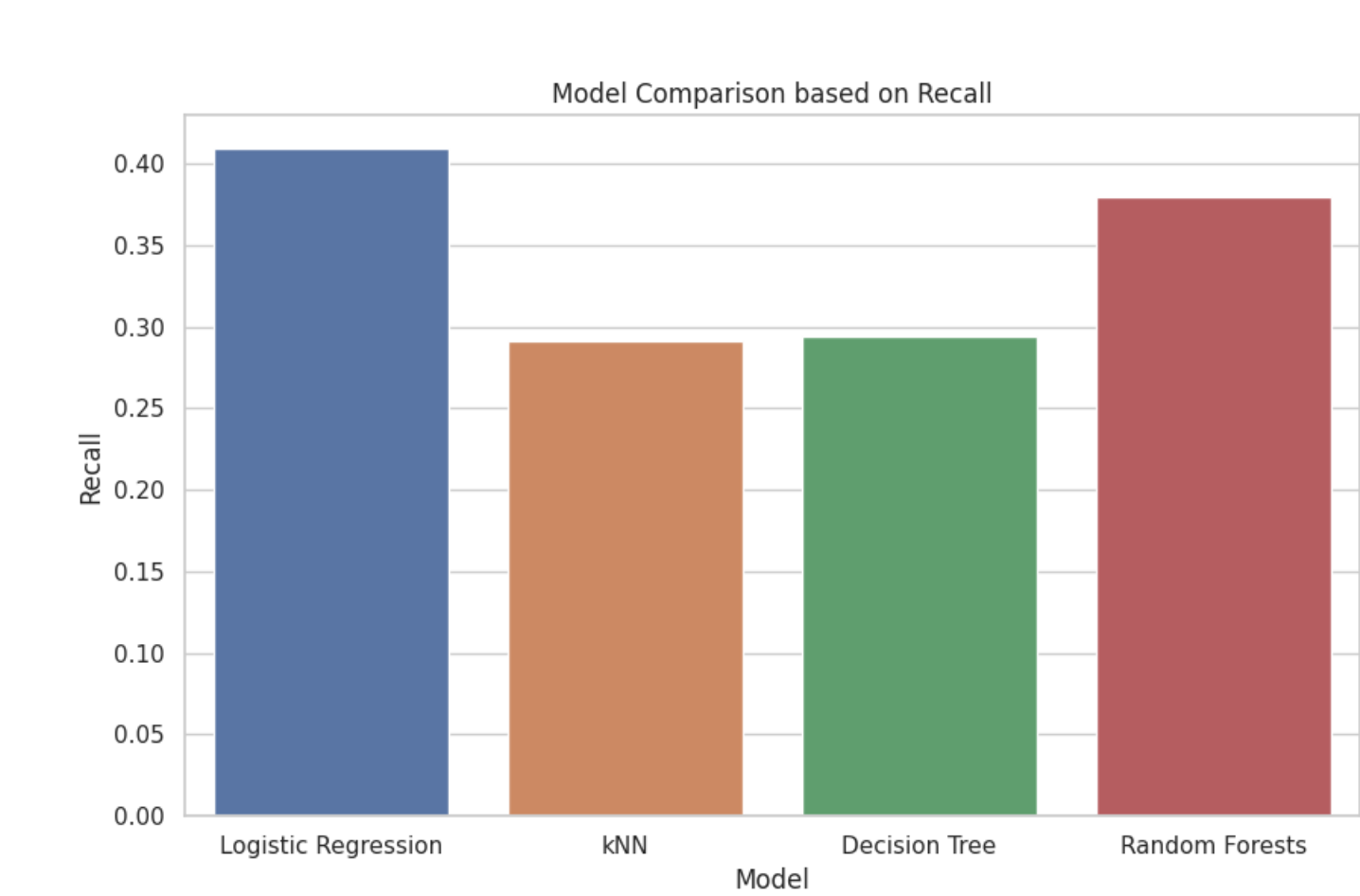
Best Parameters for Each Model

Model	Best Parameters
Logistic Regression	LogisticRegression(C=1, max_iter=1000, solver='liblinear')
kNN	KNeighborsClassifier(n_neighbors=9)
Decision Tree	DecisionTreeClassifier(max_depth=30)
Random Forests	RandomForestClassifier(max_depth=20, n_estimators=300)

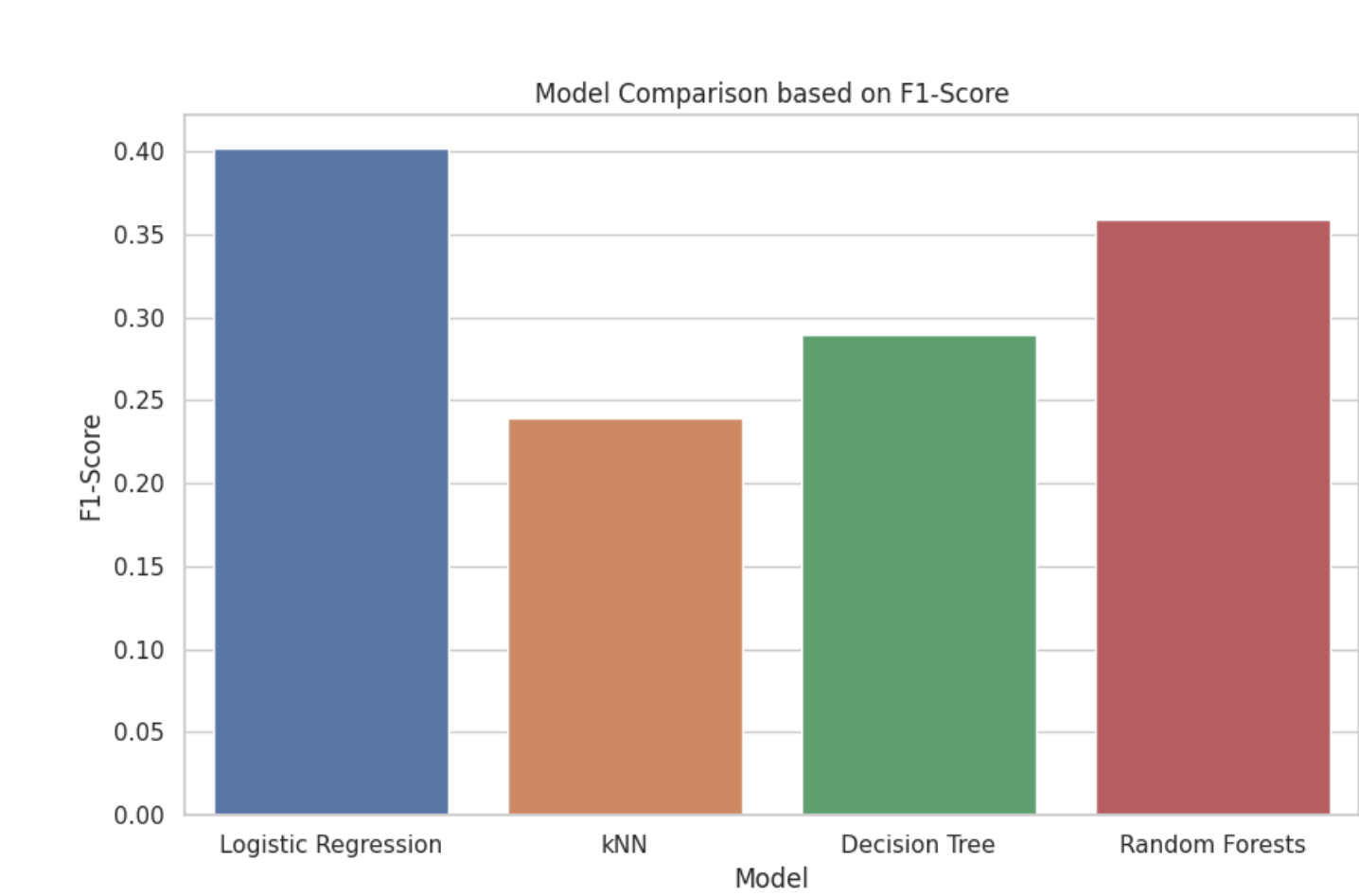
Precision Comparison



Recall Comparison



F1-Score Comparison



Accuracy Comparison

