Accuracy of classifiers

Linear Classifier: 0.64
Naive Bayes Classifier: 0.43333333333333335
Decision Tree Classifier: 0.53
KNN Classifier: 0.62

Classification Report for Linear Classifier

Macro

Percision, recall, f1-score (0.35210112710112706, 0.2900998199967272, 0.30221033868092695, None)

Micro

Percision, recall, f1-score (0.64, 0.64, 0.64, None)

Weighted

Percision, recall, f1-score (0.6109778284778284, 0.64, 0.611306357694593, None)

Classification Report for Naive Bayes

Macro

Percision, recall, f1-score (0.3040588130405064, 0.38309687448862706, 0.2967875381708436, None)

Micro

Percision, recall, f1-score (0.43333333333333335, 0.43333333333333335, 0.43333333333333335, None)

Weighted

Percision, recall, f1-score (0.6175245549644863, 0.43333333333333335, 0.48711419968693936, None)

Classification Report for Decision Tree

Macro

Percision, recall, f1-score (0.2789665398091835, 0.27409998363606614, 0.27546768581909253, None)

Micro

Percision, recall, f1-score (0.53, 0.53, 0.53, None)

Weighted

Percision, recall, f1-score (0.5430537165979352, 0.53, 0.5359209946843667, None)

Classification Report for KNN

Macro

Percision, recall, f1-score (0.3140146381133098, 0.2808991981672394, 0.2865009882198486, None)

Micro

Percision, recall, f1-score (0.62, 0.62, 0.62, None)

Weighted

Percision, recall, f1-score (0.5931571338212704, 0.62, 0.6003479818196088, None)