## 1. Gaussian NB

Train time taken: 0.2207

Prediction time taken: 0.0362

Accuracy score on training set: 59.33%

Accuracy score on testing set: 59.76%

F-score on training set: 0.4125

F-score on testing set: 0.4208

## 2. Decision trees

Train time taken: 1.2972

Prediction time taken: 0.0199

Accuracy score on training set: 97%

Accuracy score on testing set: 81.78%

F-score on training set: 0.9638

F-score on testing set: 0.6264

## 3. Bagging

Train time taken: 10.041

Prediction time taken: 0.1727

Accuracy score on training set: 96.77

Accuracy score on testing set: 84.20

F-score on training set: 0.9563

F-score on testing set: 0.6815

## 4. AdaBoost

Train time taken: 5.8955

Prediction time taken: 0.2536

Accuracy score on training set: 85%

Accuracy score on testing set: 85.76%

F-score on training set: 0.71153

F-score on testing set: 0.7245

## 5. Random Forest

Train time taken: 2.062

Prediction time taken: 0.1

Accuracy score on training set: 95.88%

Accuracy score on testing set: 83.83%

F-score on training set: 0.941

F-score on testing set: 0.6731

## 6. Gradient Boosting

Train time taken: 32.439

Prediction time taken: 0.068

Accuracy score on training set: 85.66%

Accuracy score on testing set: 86.3%

F-score on training set: 0.7341

F-score on testing set: 0.7395

## 7. KNN

Train time taken: 4.3244

Prediction time taken: 101.191

Accuracy score on training set: 88.33

Accuracy score on testing set: 82.35

F-score on training set: 0.7716

F-score on testing set: 0.6391

## 8. Stochastic Gradient Descent Classifier

Train time taken: 0.4284

Prediction time taken: 0.0116

Accuracy score on training set: 83.11

Accuracy score on testing set: 82.46

F-score on training set: 0.6485

F-score on testing set: 0.6398

## 9. SVM

Train time taken: 347.7

Prediction time taken: 54.168

Accuracy score on training set: 85.33%

Accuracy score on testing set: 83.71%

F-score on training set: 0.7196

F-score on testing set: 0.6744

## 10. Logistic Regression

Train time taken: 0.9961116313934326

Prediction time taken: 0.011251688003540039

Accuracy score on training set: 84.66%

Accuracy score on testing set: 84.190%

F-score on training set: 0.6985

F-score on testing set: 0.6831