(Without Stop Words) – Gradient Boosting Classifier is better

Ratio – (Train - 80, Test – 20)

Model	Accuracy	Bias
SVC	73	95
Decision Tree Classifier	68	99
Random Forest Classifier	69	99
KNeighbors Classifier	63	80
Logistic Regression	71	96
Gaussian NB	73	92
Gradient Boosting Classifier	73	85

Ratio – (Train - 70, Test – 30)

Model	Accuracy	Bias
SVC	72	96
Decision Tree Classifier	73	99
Random Forest Classifier	70	99
KNeighbors Classifier	59	82
Logistic Regression	71	96
Gaussian NB	71	93
Gradient Boosting Classifier	74	87

Ratio – (Train - 75, Test – 25)

Model	Accuracy	Bias
SVC	70	96
Decision Tree Classifier	67	99
Random Forest Classifier	70	99
KNeighbors Classifier	60	79
Logistic Regression	70	96
Gaussian NB	72	92
Gradient Boosting Classifier	72	85

With stop words – Logistic Regression is better

Model	Accuracy	Bias
SVC	81	98
Decision Tree Classifier	70	100
Random Forest Classifier	83	100
KNeighbors Classifier	64	79
Logistic Regression	83	98
Gaussian NB	73	93
Gradient Boosting Classifier	73	90

Ratio – (Train - 80, Test – 20)

Model	Accuracy	Bias
SVC	77	98
Decision Tree Classifier	71	100
Random Forest Classifier	78	100
KNeighbors Classifier	63	78
Logistic Regression	80	98
Gaussian NB	72	94
Gradient Boosting Classifier	73	87

Ratio – (Train - 70, Test – 30)

Ratio – (Train - 75, Test – 25)

Model	Accuracy	Bias
SVC	80	98
Decision Tree Classifier	70	100
Random Forest Classifier	79	100
KNeighbors Classifier	65	80
Logistic Regression	81	98
Gaussian NB	73	93
Gradient Boosting Classifier	71	88