|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Feature Sets | | | | | |
| Classifiers | Evaluation Metrics | TF-IDF | Unigram | Bigram | Trigram | Bigram+  TF-IDF | Trigram+  TF-IDF |
| Naïve Bayes | Accuracy |  |  |  |  |  |  |
| Precision |  |  |  |  |  |  |
| Recall |  |  |  |  |  |  |
| F1 score |  |  |  |  |  |  |
| SVM | Accuracy |  |  |  |  |  |  |
| Precision |  |  |  |  |  |  |
| Recall |  |  |  |  |  |  |
| F1 score |  |  |  |  |  |  |
| KNN | Accuracy |  |  |  |  |  |  |
| Precision |  |  |  |  |  |  |
| Recall |  |  |  |  |  |  |
| F1 score |  |  |  |  |  |  |
| Random Forest | Accuracy |  |  |  |  |  |  |
| Precision |  |  |  |  |  |  |
| Recall |  |  |  |  |  |  |
| F1 score |  |  |  |  |  |  |
| Decision Tree | Accuracy |  |  |  |  |  |  |
| Precision |  |  |  |  |  |  |
| Recall |  |  |  |  |  |  |
| F1 score |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Table1: Result table for Train Test ratio 80:20