Text classification sorts documents into a fixed number of predefined categories. The documents can be multiple, unique or may not fit into a category at all. In that case, handling a large number of documents can become complicated. Thus, a text classifier places these documents into groups which are relevant to their content and makes it easier to sort them when a search for a specific document is carried out

DIABETES DATASET RESULTS

|  |  |  |
| --- | --- | --- |
|  | Algorithm | |
| Naive Bayes | SVM |
| At 66% (261 instances) | 77.01 | 79.31 |
| At 90% (77 instances) | 77.9 | 80.52 |
| At 33% (515 instances) | 73.98 | 75.73 |
| Precision(Weighted Avg.) | 0.767 | 0.787 |
| Recall (Weighted Avg.) | 0.77 | 0.793 |