Result

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vectoriser | Classifier | n-gram | F-measure  53 | F-measure  112 | F-measure  171 | F-measure  230 | F-measure  289 | F-measure  348 |
| Coordinate Matrix Machine | | variable |  |  |  |  |  |  |
| Term Frequency Vectoriser (Vector size 300) | Logistic Regression | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Decision Tree | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Support Vector Machine | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Random Forest | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Naïve Bayes | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| k-Nearest Neighbour | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Artificial Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Convolutional Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Term Frequency-Inverse Document Frequency Vectoriser (Vector size 300) | Logistic Regression | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Decision Tree | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Support Vector Machine | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Random Forest | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Naïve Bayes | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| k-Nearest Neighbour | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Artificial Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Convolutional Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Hashing Vectoriser (Vector size 2500) | Logistic Regression | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Decision Tree | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Support Vector Machine | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Random Forest | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| k-Nearest Neighbour | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Artificial Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| Convolutional Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| GloVe with TF-IDF Vectoriser (Vector Size 300) | Logistic Regression | skip |  |  |  |  |  |  |
| Decision Tree | skip |  |  |  |  |  |  |
| Support Vector Machine | skip |  |  |  |  |  |  |
| Random Forest | skip |  |  |  |  |  |  |
| Naïve Bayes | skip |  |  |  |  |  |  |
| k-Nearest Neighbour | skip |  |  |  |  |  |  |
| Artificial Neural Network | skip |  |  |  |  |  |  |
| Convolutional Neural Network | skip |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | skip |  |  |  |  |  |  |
| Google word2vec Vectoriser (Vector Size 300) | Logistic Regression | skip |  |  |  |  |  |  |
| Decision Tree | skip |  |  |  |  |  |  |
| Support Vector Machine | skip |  |  |  |  |  |  |
| Random Forest | skip |  |  |  |  |  |  |
| k-Nearest Neighbour | skip |  |  |  |  |  |  |
| Artificial Neural Network | skip |  |  |  |  |  |  |
| Convolutional Neural Network | skip |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | skip |  |  |  |  |  |  |
| Doc2vec | Logistic Regression | skip |  |  |  |  |  |  |
| Decision Tree | skip |  |  |  |  |  |  |
| Support Vector Machine | skip |  |  |  |  |  |  |
| Random Forest | skip |  |  |  |  |  |  |
| k-Nearest Neighbour | skip |  |  |  |  |  |  |
| Artificial Neural Network | skip |  |  |  |  |  |  |
| Convolutional Neural Network | skip |  |  |  |  |  |  |
| LSTM-Recurrent Neural Network | skip |  |  |  |  |  |  |