
LIST OF TABLES

Table 1 Confusion Matrix	26
Table 2 Example Dictionary	31
Table 3 Data Representation from Tweets.....	33
Table 4 Distribution of the Data after Sampling	34
Table 5 Synthetic Data.....	34
Table 6 Random Forest Parameters.....	35
Table 7 Gradient Boosting Parameters	35
Table 8 K-NN Parameters.....	35
Table 9 Learning Algorithm Parameters for Stacking.....	37
Table 10 Learning Algorithm Parameters for Stacking.....	40
Table 11 Distribution of Dataset	42
Table 12 List of Features.....	42
Table 13 Example of Dataset	44
Table 14 Scenario Experiment	46
Table 15 Preprocessed Dataset.....	48
Table 16 Performance of Random Forest using 10-fold cross validation	50
Table 17 Performance of Random Forest using 70% training and 30% testing data	50
Table 18 Performance of Gradient Boosting using 10-fold cross validation.....	50
Table 19 Performance of Gradient Boosting using 70% training and 30% testing data.....	51
Table 20 Performance of K-NN using 10-fold cross validation	51
Table 21 Performance of K-NN using 70% training and 30% testing data.....	51
Table 22 Performance of Stacking using 10-Fold Cross Validation.....	52

Table 23 Performance of Stacking using 30% Testing Data	52
Table 24 Performance of Modified Stacking using 10-Fold Cross Validation.....	53
Table 25 Performance of Modified Stacking using 30% Testing Data	53
Table 26 Performance of Stacking without Grammatical Features.....	54
Table 27 Performance of Modified Stacking without Grammatical Features	55
Table 28 Comparison Performance of K-NN, Random Forest, Gradient Boosting, Stacking and Modified Stacking Method using 10-fold cross validation.....	56
Table 29 Comparison Performance of K-NN, Random Forest, Gradient Boosting, Stacking and Modified Stacking Method using 30% testing data.....	56
Table 30 Comparison Performance of Modified Stacking Method using All Feature with Modified Stacking Method without Grammatical Features	59
Table 31 Comparison Performance of Stacking Method using All Feature with Modified Stacking Method without Grammatical Features.....	59
Table 32 Comparison Performance of Modified Stacking Method with Similar Research	60