Misinformation Detection on YouTube Using Video Captions - Classifier Results

July 2021

Contents

1 Three Class Classifiers

1.1 Vaccines Controversy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
SVC	0.88	0.77	0.88	0.88	0.88
LGBMClassifier	0.86	0.64	0.85	0.85	0.86
XGBClassifier	0.86	0.63	0.85	0.84	0.86
NuSVC	0.85	0.73	0.85	0.85	0.85
ExtraTreesClassifier	0.85	0.62	0.83	0.83	0.85
RandomForestClassifier	0.84	0.62	0.83	0.82	0.84
LogisticRegression	0.80	0.72	0.82	0.84	0.80
PassiveAggressiveClassifier	0.80	0.72	0.82	0.84	0.80
Perceptron	0.79	0.72	0.80	0.82	0.79
CalibratedClassifierCV	0.78	0.71	0.80	0.82	0.78
LinearSVC	0.78	0.71	0.79	0.82	0.78
RidgeClassifier	0.77	0.70	0.79	0.82	0.77
KNeighborsClassifier	0.76	0.84	0.79	0.87	0.76
GaussianNB	0.77	0.68	0.79	0.82	0.77
RidgeClassifierCV	0.76	0.70	0.79	0.83	0.76
AdaBoostClassifier	0.78	0.60	0.79	0.80	0.78
SGDClassifier	0.76	0.71	0.78	0.82	0.76
LinearDiscriminantAnalysis	0.74	0.63	0.77	0.82	0.74
BaggingClassifier	0.77	0.50	0.76	0.76	0.77
ExtraTreeClassifier	0.76	0.59	0.76	0.77	0.76
NearestCentroid	0.69	0.58	0.73	0.79	0.69
BernoulliNB	0.68	0.46	0.71	0.75	0.68
DecisionTreeClassifier	0.69	0.47	0.71	0.73	0.69
LabelSpreading	0.70	0.59	0.60	0.53	0.70
QuadraticDiscriminantAnalysis	0.68	0.34	0.57	0.56	0.68
LabelPropagation	0.68	0.33	0.55	0.46	0.68
DummyClassifier	0.31	0.31	0.36	0.55	0.31

Table 1: **Prediction results for Vaccines Controversy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
SVC	0.89	0.72	0.88	0.89	0.89
NuSVC	0.88	0.82	0.88	0.88	0.88
XGBClassifier	0.88	0.68	0.87	0.89	0.88
LGBMClassifier	0.87	0.71	0.86	0.86	0.87
RandomForestClassifier	0.86	0.64	0.85	0.85	0.86
ExtraTreesClassifier	0.86	0.64	0.85	0.86	0.86
BaggingClassifier	0.84	0.69	0.83	0.84	0.84
RidgeClassifierCV	0.79	0.73	0.81	0.85	0.79
GaussianNB	0.80	0.70	0.81	0.83	0.80
LogisticRegression	0.79	0.65	0.80	0.81	0.79
SGDClassifier	0.78	0.65	0.78	0.79	0.78
Perceptron	0.77	0.64	0.78	0.80	0.77
PassiveAggressiveClassifier	0.77	0.64	0.78	0.79	0.77
LinearDiscriminantAnalysis	0.75	0.62	0.77	0.81	0.75
NearestCentroid	0.74	0.61	0.77	0.81	0.74
KNeighborsClassifier	0.73	0.83	0.77	0.88	0.73
RidgeClassifier	0.73	0.62	0.76	0.81	0.73
BernoulliNB	0.74	0.55	0.75	0.76	0.74
LinearSVC	0.74	0.61	0.75	0.76	0.74
CalibratedClassifierCV	0.74	0.61	0.75	0.76	0.74
DecisionTreeClassifier	0.75	0.61	0.75	0.74	0.75
ExtraTreeClassifier	0.73	0.55	0.74	0.75	0.73
AdaBoostClassifier	0.64	0.55	0.65	0.78	0.64
LabelSpreading	0.70	0.47	0.59	0.53	0.70
QuadraticDiscriminantAnalysis	0.68	0.33	0.55	0.46	0.68
LabelPropagation	0.68	0.33	0.55	0.46	0.68
DummyClassifier	0.31	0.31	0.36	0.55	0.31

Table 2: **Prediction results for Vaccines Controversy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
NuSVC	0.89	0.77	0.89	0.89	0.89
SVC	0.89	0.78	0.89	0.89	0.89
RandomForestClassifier	0.87	0.66	0.86	0.86	0.87
ExtraTreesClassifier	0.87	0.65	0.86	0.87	0.87
BaggingClassifier	0.85	0.76	0.85	0.85	0.85
GaussianNB	0.84	0.73	0.84	0.84	0.84
RidgeClassifierCV	0.82	0.89	0.84	0.87	0.82
LGBMClassifier	0.85	0.64	0.84	0.85	0.85
XGBClassifier	0.84	0.61	0.82	0.82	0.84
AdaBoostClassifier	0.82	0.63	0.82	0.82	0.82
SGDClassifier	0.82	0.67	0.82	0.83	0.82
LogisticRegression	0.81	0.80	0.82	0.82	0.81
PassiveAggressiveClassifier	0.81	0.73	0.81	0.81	0.81
Perceptron	0.80	0.73	0.81	0.81	0.80
RidgeClassifier	0.78	0.78	0.80	0.84	0.78
LinearDiscriminantAnalysis	0.78	0.78	0.80	0.84	0.78
CalibratedClassifierCV	0.80	0.66	0.80	0.80	0.80
NearestCentroid	0.78	0.64	0.79	0.81	0.78
BernoulliNB	0.78	0.64	0.79	0.81	0.78
LinearSVC	0.78	0.58	0.78	0.78	0.78
ExtraTreeClassifier	0.74	0.54	0.75	0.77	0.74
KNeighborsClassifier	0.70	0.80	0.73	0.82	0.70
DecisionTreeClassifier	0.68	0.55	0.69	0.70	0.68
LabelSpreading	0.69	0.40	0.57	0.52	0.69
QuadraticDiscriminantAnalysis	0.68	0.33	0.55	0.46	0.68
LabelPropagation	0.68	0.33	0.55	0.46	0.68
DummyClassifier	0.31	0.31	0.36	0.55	0.31

Table 3: **Prediction results for Vaccines Controversy topic using Word2Vec Google News - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
CalibratedClassifierCV	0.87	0.76	0.87	0.88	0.87
AdaBoostClassifier	0.87	0.73	0.87	0.87	0.87
SVC	0.88	0.65	0.87	0.88	0.88
LogisticRegression	0.86	0.75	0.86	0.87	0.86
PassiveAggressiveClassifier	0.86	0.74	0.85	0.87	0.86
LinearDiscriminantAnalysis	0.85	0.75	0.85	0.86	0.85
RidgeClassifierCV	0.85	0.75	0.85	0.86	0.85
LinearSVC	0.85	0.68	0.85	0.85	0.85
Perceptron	0.85	0.74	0.85	0.85	0.85
XGBClassifier	0.86	0.64	0.85	0.86	0.86
NuSVC	0.85	0.67	0.84	0.84	0.85
SGDClassifier	0.84	0.75	0.84	0.84	0.84
RidgeClassifier	0.82	0.74	0.84	0.86	0.82
LGBMClassifier	0.86	0.59	0.83	0.81	0.86
ExtraTreesClassifier	0.85	0.62	0.83	0.85	0.85
RandomForestClassifier	0.84	0.62	0.83	0.82	0.84
BaggingClassifier	0.81	0.60	0.82	0.82	0.81
GaussianNB	0.77	0.69	0.79	0.81	0.77
DecisionTreeClassifier	0.78	0.59	0.78	0.78	0.78
KNeighborsClassifier	0.68	0.73	0.73	0.84	0.68
NearestCentroid	0.68	0.58	0.73	0.79	0.68
BernoulliNB	0.68	0.52	0.71	0.75	0.68
ExtraTreeClassifier	0.67	0.52	0.70	0.74	0.67
LabelSpreading	0.71	0.53	0.60	0.52	0.71
LabelPropagation	0.68	0.33	0.55	0.46	0.68
QuadraticDiscriminantAnalysis	0.68	0.33	0.55	0.46	0.68
DummyClassifier	0.31	0.31	0.36	0.55	0.31

Table 4: **Prediction results for Vaccines Controversy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

1.2 9/11 Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
ExtraTreesClassifier	0.85	0.71	0.85	0.85	0.85
RandomForestClassifier	0.82	0.65	0.82	0.82	0.82
XGBClassifier	0.80	0.73	0.81	0.84	0.80
LGBMClassifier	0.80	0.60	0.80	0.82	0.80
LogisticRegression	0.78	0.64	0.80	0.83	0.78
SVC	0.80	0.63	0.79	0.85	0.80
LinearSVC	0.77	0.58	0.78	0.79	0.77
SGDClassifier	0.75	0.54	0.77	0.78	0.75
Perceptron	0.75	0.54	0.77	0.78	0.75
NuSVC	0.77	0.62	0.77	0.79	0.77
RidgeClassifierCV	0.74	0.70	0.76	0.82	0.74
CalibratedClassifierCV	0.74	0.53	0.75	0.78	0.74
LabelSpreading	0.78	0.53	0.75	0.73	0.78
RidgeClassifier	0.72	0.70	0.75	0.82	0.72
PassiveAggressiveClassifier	0.72	0.61	0.75	0.79	0.72
BaggingClassifier	0.71	0.62	0.74	0.80	0.71
AdaBoostClassifier	0.71	0.61	0.73	0.77	0.71
LinearDiscriminantAnalysis	0.69	0.63	0.72	0.80	0.69
LabelPropagation	0.80	0.33	0.71	0.64	0.80
QuadraticDiscriminantAnalysis	0.80	0.33	0.71	0.64	0.80
GaussianNB	0.58	0.64	0.63	0.77	0.58
ExtraTreeClassifier	0.57	0.42	0.63	0.72	0.57
NearestCentroid	0.57	0.59	0.61	0.74	0.57
DecisionTreeClassifier	0.55	0.40	0.60	0.69	0.55
BernoulliNB	0.55	0.58	0.60	0.74	0.55
KNeighborsClassifier	0.43	0.57	0.48	0.76	0.43
DummyClassifier	0.25	0.24	0.33	0.66	0.25

Table 5: **Prediction results for 9/11 Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
LGBMClassifier	0.88	0.68	0.87	0.88	0.88
ExtraTreesClassifier	0.88	0.64	0.86	0.88	0.88
XGBClassifier	0.86	0.67	0.86	0.87	0.86
SVC	0.85	0.66	0.84	0.86	0.85
RandomForestClassifier	0.85	0.57	0.83	0.83	0.85
NuSVC	0.80	0.63	0.79	0.81	0.80
CalibratedClassifierCV	0.77	0.58	0.78	0.79	0.77
BaggingClassifier	0.77	0.59	0.78	0.79	0.77
AdaBoostClassifier	0.77	0.59	0.78	0.79	0.77
SGDClassifier	0.74	0.53	0.75	0.77	0.74
LabelSpreading	0.80	0.42	0.75	0.71	0.80
LogisticRegression	0.72	0.56	0.74	0.78	0.72
PassiveAggressiveClassifier	0.72	0.56	0.74	0.78	0.72
LinearSVC	0.71	0.57	0.74	0.78	0.71
Perceptron	0.71	0.52	0.74	0.78	0.71
QuadraticDiscriminantAnalysis	0.80	0.33	0.71	0.64	0.80
LabelPropagation	0.80	0.33	0.71	0.64	0.80
DecisionTreeClassifier	0.68	0.50	0.71	0.76	0.68
RidgeClassifierCV	0.62	0.56	0.68	0.82	0.62
BernoulliNB	0.63	0.62	0.67	0.76	0.63
ExtraTreeClassifier	0.60	0.38	0.63	0.68	0.60
RidgeClassifier	0.57	0.54	0.63	0.79	0.57
NearestCentroid	0.58	0.64	0.63	0.76	0.58
GaussianNB	0.57	0.58	0.61	0.75	0.57
LinearDiscriminantAnalysis	0.52	0.48	0.60	0.81	0.52
KNeighborsClassifier	0.40	0.50	0.45	0.75	0.40
DummyClassifier	0.25	0.24	0.33	0.66	0.25

Table 6: **Prediction results for 9/11 Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
ExtraTreesClassifier	0.89	0.68	0.88	0.89	0.89
SGDClassifier	0.89	0.64	0.88	0.88	0.89
LGBMClassifier	0.85	0.62	0.84	0.84	0.85
LogisticRegression	0.83	0.70	0.84	0.84	0.83
RandomForestClassifier	0.83	0.62	0.83	0.83	0.83
CalibratedClassifierCV	0.82	0.61	0.82	0.82	0.82
XGBClassifier	0.82	0.61	0.81	0.82	0.82
SVC	0.83	0.60	0.81	0.85	0.83
PassiveAggressiveClassifier	0.80	0.60	0.81	0.82	0.80
NuSVC	0.82	0.59	0.80	0.84	0.82
Perceptron	0.78	0.55	0.79	0.80	0.78
LinearSVC	0.77	0.63	0.79	0.81	0.77
AdaBoostClassifier	0.74	0.58	0.75	0.77	0.74
BaggingClassifier	0.74	0.54	0.75	0.77	0.74
LabelSpreading	0.80	0.42	0.75	0.71	0.80
RidgeClassifierCV	0.68	0.55	0.72	0.79	0.68
QuadraticDiscriminantAnalysis	0.80	0.33	0.71	0.64	0.80
LabelPropagation	0.80	0.33	0.71	0.64	0.80
GaussianNB	0.65	0.66	0.69	0.81	0.65
DecisionTreeClassifier	0.63	0.44	0.67	0.72	0.63
BernoulliNB	0.62	0.61	0.66	0.77	0.62
ExtraTreeClassifier	0.60	0.47	0.64	0.72	0.60
RidgeClassifier	0.58	0.51	0.64	0.77	0.58
LinearDiscriminantAnalysis	0.58	0.47	0.64	0.73	0.58
NearestCentroid	0.57	0.63	0.61	0.76	0.57
KNeighborsClassifier	0.43	0.52	0.48	0.76	0.43
DummyClassifier	0.25	0.24	0.33	0.66	0.25

Table 7: **Prediction results for 9/11 Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
ExtraTreesClassifier	0.91	0.73	0.90	0.91	0.91
RandomForestClassifier	0.86	0.62	0.85	0.87	0.86
BaggingClassifier	0.83	0.66	0.83	0.83	0.83
SVC	0.85	0.61	0.82	0.86	0.85
LGBMClassifier	0.82	0.56	0.80	0.80	0.82
XGBClassifier	0.80	0.56	0.79	0.79	0.80
CalibratedClassifierCV	0.78	0.59	0.79	0.80	0.78
LogisticRegression	0.78	0.59	0.79	0.80	0.78
SGDClassifier	0.78	0.55	0.78	0.78	0.78
NuSVC	0.78	0.58	0.78	0.79	0.78
AdaBoostClassifier	0.77	0.58	0.77	0.79	0.77
PassiveAggressiveClassifier	0.77	0.53	0.77	0.77	0.77
LinearSVC	0.77	0.53	0.77	0.77	0.77
LabelSpreading	0.82	0.46	0.77	0.73	0.82
Perceptron	0.75	0.53	0.76	0.77	0.75
RidgeClassifier	0.68	0.59	0.71	0.78	0.68
LabelPropagation	0.80	0.33	0.71	0.64	0.80
QuadraticDiscriminantAnalysis	0.80	0.33	0.71	0.64	0.80
RidgeClassifierCV	0.68	0.50	0.71	0.76	0.68
DecisionTreeClassifier	0.65	0.49	0.69	0.75	0.65
LinearDiscriminantAnalysis	0.63	0.53	0.68	0.76	0.63
BernoulliNB	0.62	0.66	0.65	0.77	0.62
NearestCentroid	0.62	0.65	0.65	0.77	0.62
GaussianNB	0.55	0.63	0.61	0.77	0.55
ExtraTreeClassifier	0.55	0.41	0.61	0.69	0.55
KNeighborsClassifier	0.42	0.47	0.48	0.76	0.42
DummyClassifier	0.25	0.24	0.33	0.66	0.25

Table 8: **Prediction results for 9/11 Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

1.3   Chem-trail Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
RandomForestClassifier	0.83	0.77	0.83	0.83	0.83
AdaBoostClassifier	0.83	0.74	0.83	0.83	0.83
PassiveAggressiveClassifier	0.81	0.80	0.81	0.81	0.81
CalibratedClassifierCV	0.81	0.80	0.81	0.81	0.81
LGBMClassifier	0.81	0.74	0.81	0.81	0.81
LinearSVC	0.79	0.79	0.79	0.79	0.79
XGBClassifier	0.79	0.74	0.79	0.79	0.79
ExtraTreesClassifier	0.79	0.73	0.79	0.82	0.79
SVC	0.78	0.72	0.78	0.78	0.78
NuSVC	0.78	0.72	0.78	0.78	0.78
SGDClassifier	0.78	0.78	0.78	0.79	0.78
LogisticRegression	0.78	0.78	0.78	0.78	0.78
Perceptron	0.78	0.78	0.78	0.78	0.78
BaggingClassifier	0.74	0.68	0.74	0.74	0.74
RidgeClassifier	0.71	0.71	0.71	0.73	0.71
LinearDiscriminantAnalysis	0.71	0.71	0.71	0.73	0.71
RidgeClassifierCV	0.71	0.71	0.71	0.73	0.71
DecisionTreeClassifier	0.68	0.58	0.67	0.67	0.68
ExtraTreeClassifier	0.67	0.61	0.67	0.67	0.67
LabelSpreading	0.69	0.50	0.64	0.62	0.69
KNeighborsClassifier	0.60	0.65	0.60	0.75	0.60
BernoulliNB	0.57	0.56	0.58	0.62	0.57
NearestCentroid	0.53	0.55	0.55	0.65	0.53
GaussianNB	0.53	0.53	0.55	0.60	0.53
QuadraticDiscriminantAnalysis	0.61	0.39	0.51	0.65	0.61
LabelPropagation	0.56	0.33	0.40	0.31	0.56
DummyClassifier	0.35	0.40	0.35	0.43	0.35

Table 9: **Prediction results for Chem-trail Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
LinearSVC	0.86	0.85	0.86	0.87	0.86
CalibratedClassifierCV	0.85	0.84	0.85	0.85	0.85
PassiveAggressiveClassifier	0.85	0.81	0.85	0.85	0.85
Perceptron	0.83	0.80	0.83	0.84	0.83
SVC	0.83	0.80	0.83	0.83	0.83
SGDClassifier	0.83	0.77	0.83	0.84	0.83
LogisticRegression	0.81	0.81	0.81	0.82	0.81
RidgeClassifierCV	0.79	0.79	0.80	0.81	0.79
RandomForestClassifier	0.79	0.72	0.79	0.79	0.79
ExtraTreesClassifier	0.79	0.71	0.78	0.79	0.79
XGBClassifier	0.79	0.69	0.78	0.79	0.79
NuSVC	0.78	0.74	0.78	0.78	0.78
AdaBoostClassifier	0.76	0.75	0.77	0.78	0.76
LGBMClassifier	0.76	0.69	0.76	0.76	0.76
RidgeClassifier	0.74	0.73	0.74	0.76	0.74
BaggingClassifier	0.71	0.64	0.71	0.71	0.71
LinearDiscriminantAnalysis	0.69	0.71	0.70	0.74	0.69
ExtraTreeClassifier	0.68	0.66	0.69	0.71	0.68
NearestCentroid	0.65	0.64	0.68	0.74	0.65
DecisionTreeClassifier	0.67	0.64	0.67	0.68	0.67
BernoulliNB	0.64	0.60	0.66	0.72	0.64
LabelSpreading	0.71	0.49	0.65	0.68	0.71
GaussianNB	0.61	0.59	0.62	0.65	0.61
KNeighborsClassifier	0.56	0.65	0.55	0.74	0.56
QuadraticDiscriminantAnalysis	0.57	0.35	0.43	0.63	0.57
LabelPropagation	0.56	0.33	0.40	0.31	0.56
DummyClassifier	0.35	0.40	0.35	0.43	0.35

Table 10: **Prediction results for Chem-trail Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
CalibratedClassifierCV	0.89	0.86	0.89	0.89	0.89
SVC	0.89	0.86	0.89	0.89	0.89
Perceptron	0.88	0.86	0.88	0.89	0.88
LogisticRegression	0.88	0.86	0.88	0.89	0.88
SGDClassifier	0.88	0.83	0.87	0.88	0.88
PassiveAggressiveClassifier	0.88	0.83	0.87	0.88	0.88
LinearSVC	0.86	0.85	0.86	0.88	0.86
LGBMClassifier	0.86	0.81	0.86	0.86	0.86
RandomForestClassifier	0.85	0.79	0.84	0.85	0.85
RidgeClassifierCV	0.83	0.83	0.83	0.84	0.83
XGBClassifier	0.83	0.78	0.83	0.83	0.83
ExtraTreesClassifier	0.83	0.77	0.83	0.84	0.83
NuSVC	0.81	0.77	0.80	0.82	0.81
BaggingClassifier	0.75	0.68	0.75	0.77	0.75
AdaBoostClassifier	0.75	0.70	0.75	0.76	0.75
BernoulliNB	0.74	0.67	0.74	0.76	0.74
DecisionTreeClassifier	0.72	0.68	0.73	0.75	0.72
RidgeClassifier	0.71	0.71	0.72	0.74	0.71
NearestCentroid	0.69	0.65	0.71	0.75	0.69
LinearDiscriminantAnalysis	0.67	0.68	0.68	0.71	0.67
GaussianNB	0.67	0.65	0.67	0.68	0.67
KNeighborsClassifier	0.65	0.72	0.66	0.80	0.65
LabelSpreading	0.71	0.49	0.65	0.68	0.71
ExtraTreeClassifier	0.58	0.56	0.59	0.63	0.58
LabelPropagation	0.56	0.33	0.40	0.31	0.56
QuadraticDiscriminantAnalysis	0.56	0.33	0.40	0.31	0.56
DummyClassifier	0.35	0.40	0.35	0.43	0.35

Table 11: **Prediction results for Chem-trail Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
XGBClassifier	0.88	0.76	0.86	0.88	0.88
RandomForestClassifier	0.86	0.77	0.85	0.86	0.86
SVC	0.83	0.77	0.83	0.84	0.83
ExtraTreesClassifier	0.83	0.73	0.82	0.85	0.83
LinearSVC	0.82	0.73	0.81	0.82	0.82
PassiveAggressiveClassifier	0.82	0.73	0.81	0.82	0.82
LGBMClassifier	0.82	0.72	0.81	0.82	0.82
SGDClassifier	0.82	0.70	0.81	0.81	0.82
CalibratedClassifierCV	0.81	0.72	0.80	0.80	0.81
AdaBoostClassifier	0.81	0.72	0.80	0.80	0.81
BaggingClassifier	0.81	0.71	0.80	0.80	0.81
LogisticRegression	0.79	0.71	0.79	0.79	0.79
NuSVC	0.79	0.72	0.79	0.79	0.79
RidgeClassifierCV	0.79	0.72	0.79	0.80	0.79
Perceptron	0.79	0.71	0.79	0.82	0.79
LinearDiscriminantAnalysis	0.78	0.70	0.78	0.78	0.78
RidgeClassifier	0.78	0.70	0.78	0.78	0.78
DecisionTreeClassifier	0.75	0.69	0.75	0.75	0.75
ExtraTreeClassifier	0.69	0.66	0.70	0.70	0.69
NearestCentroid	0.67	0.61	0.69	0.72	0.67
BernoulliNB	0.65	0.58	0.67	0.70	0.65
KNeighborsClassifier	0.64	0.70	0.65	0.76	0.64
LabelSpreading	0.69	0.48	0.63	0.65	0.69
GaussianNB	0.58	0.57	0.59	0.63	0.58
QuadraticDiscriminantAnalysis	0.56	0.33	0.40	0.31	0.56
LabelPropagation	0.56	0.33	0.40	0.31	0.56
DummyClassifier	0.35	0.40	0.35	0.43	0.35

Table 12: **Prediction results for Chem-trail Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

1.4   Moon Landing Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
ExtraTreesClassifier	0.85	0.54	0.83	0.81	0.85
NuSVC	0.83	0.63	0.82	0.83	0.83
SVC	0.83	0.63	0.82	0.83	0.83
SGDClassifier	0.78	0.61	0.78	0.80	0.78
BaggingClassifier	0.74	0.46	0.75	0.76	0.74
RandomForestClassifier	0.76	0.44	0.74	0.72	0.76
Perceptron	0.72	0.55	0.72	0.74	0.72
LGBMClassifier	0.74	0.41	0.72	0.70	0.74
RidgeClassifierCV	0.67	0.59	0.71	0.77	0.67
XGBClassifier	0.72	0.40	0.71	0.70	0.72
LogisticRegression	0.67	0.56	0.70	0.73	0.67
RidgeClassifier	0.65	0.58	0.70	0.77	0.65
LinearSVC	0.67	0.53	0.69	0.70	0.67
CalibratedClassifierCV	0.65	0.53	0.67	0.70	0.65
QuadraticDiscriminantAnalysis	0.76	0.33	0.66	0.58	0.76
LabelPropagation	0.76	0.33	0.66	0.58	0.76
BernoulliNB	0.63	0.70	0.66	0.72	0.63
DecisionTreeClassifier	0.63	0.39	0.66	0.69	0.63
LabelSpreading	0.74	0.32	0.65	0.59	0.74
LinearDiscriminantAnalysis	0.61	0.53	0.65	0.72	0.61
NearestCentroid	0.61	0.69	0.64	0.71	0.61
PassiveAggressiveClassifier	0.61	0.48	0.62	0.65	0.61
KNeighborsClassifier	0.57	0.73	0.62	0.81	0.57
AdaBoostClassifier	0.57	0.41	0.61	0.75	0.57
ExtraTreeClassifier	0.57	0.43	0.60	0.66	0.57
GaussianNB	0.52	0.47	0.58	0.70	0.52
DummyClassifier	0.22	0.44	0.26	0.55	0.22

Table 13: **Prediction results for Moon Landing Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
NuSVC	0.85	0.69	0.85	0.84	0.85
SVC	0.85	0.67	0.84	0.85	0.85
RandomForestClassifier	0.83	0.47	0.79	0.79	0.83
SGDClassifier	0.78	0.61	0.78	0.80	0.78
ExtraTreesClassifier	0.80	0.46	0.77	0.76	0.80
XGBClassifier	0.78	0.58	0.77	0.79	0.78
Perceptron	0.76	0.63	0.77	0.77	0.76
LGBMClassifier	0.78	0.58	0.77	0.77	0.78
AdaBoostClassifier	0.74	0.59	0.74	0.75	0.74
LogisticRegression	0.70	0.57	0.72	0.75	0.70
PassiveAggressiveClassifier	0.70	0.57	0.71	0.74	0.70
NearestCentroid	0.67	0.56	0.70	0.74	0.67
LinearSVC	0.67	0.56	0.69	0.73	0.67
BernoulliNB	0.65	0.58	0.68	0.75	0.65
CalibratedClassifierCV	0.67	0.53	0.68	0.70	0.67
BaggingClassifier	0.67	0.38	0.68	0.68	0.67
LabelSpreading	0.76	0.33	0.66	0.58	0.76
QuadraticDiscriminantAnalysis	0.76	0.33	0.66	0.58	0.76
LabelPropagation	0.76	0.33	0.66	0.58	0.76
RidgeClassifierCV	0.65	0.50	0.66	0.67	0.65
GaussianNB	0.61	0.51	0.65	0.73	0.61
KNeighborsClassifier	0.57	0.73	0.63	0.85	0.57
RidgeClassifier	0.59	0.50	0.62	0.66	0.59
DecisionTreeClassifier	0.59	0.39	0.61	0.66	0.59
ExtraTreeClassifier	0.50	0.30	0.54	0.61	0.50
LinearDiscriminantAnalysis	0.39	0.41	0.45	0.60	0.39
DummyClassifier	0.22	0.44	0.26	0.55	0.22

Table 14: **Prediction results for Moon Landing Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
SVC	0.85	0.67	0.84	0.85	0.85
NuSVC	0.83	0.66	0.82	0.84	0.83
XGBClassifier	0.80	0.62	0.80	0.81	0.80
LGBMClassifier	0.78	0.64	0.78	0.79	0.78
ExtraTreesClassifier	0.80	0.43	0.76	0.76	0.80
GaussianNB	0.72	0.64	0.74	0.80	0.72
RandomForestClassifier	0.76	0.42	0.73	0.71	0.76
BaggingClassifier	0.72	0.45	0.72	0.72	0.72
SGDClassifier	0.72	0.53	0.70	0.71	0.72
ExtraTreeClassifier	0.67	0.43	0.70	0.74	0.67
NearestCentroid	0.67	0.62	0.70	0.77	0.67
AdaBoostClassifier	0.67	0.43	0.68	0.70	0.67
LinearSVC	0.67	0.51	0.68	0.69	0.67
RidgeClassifierCV	0.63	0.36	0.66	0.70	0.63
LogisticRegression	0.65	0.50	0.66	0.68	0.65
LabelPropagation	0.76	0.33	0.66	0.58	0.76
QuadraticDiscriminantAnalysis	0.76	0.33	0.66	0.58	0.76
LabelSpreading	0.76	0.33	0.66	0.58	0.76
CalibratedClassifierCV	0.67	0.48	0.66	0.67	0.67
Perceptron	0.65	0.47	0.65	0.71	0.65
BernoulliNB	0.63	0.41	0.65	0.69	0.63
RidgeClassifier	0.61	0.35	0.63	0.66	0.61
LinearDiscriminantAnalysis	0.59	0.47	0.62	0.67	0.59
PassiveAggressiveClassifier	0.63	0.43	0.61	0.60	0.63
DecisionTreeClassifier	0.54	0.45	0.58	0.64	0.54
KNeighborsClassifier	0.52	0.71	0.58	0.83	0.52
DummyClassifier	0.22	0.44	0.26	0.55	0.22

Table 15: **Prediction results for Moon Landing Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
XGBClassifier	0.85	0.64	0.83	0.86	0.85
RandomForestClassifier	0.83	0.47	0.80	0.83	0.83
NuSVC	0.80	0.49	0.79	0.78	0.80
SVC	0.80	0.49	0.79	0.78	0.80
LGBMClassifier	0.78	0.61	0.78	0.80	0.78
AdaBoostClassifier	0.74	0.62	0.75	0.77	0.74
DecisionTreeClassifier	0.74	0.59	0.75	0.76	0.74
ExtraTreesClassifier	0.80	0.41	0.75	0.80	0.80
SGDClassifier	0.76	0.42	0.74	0.74	0.76
GaussianNB	0.72	0.61	0.74	0.78	0.72
BaggingClassifier	0.72	0.55	0.72	0.74	0.72
LogisticRegression	0.72	0.55	0.72	0.74	0.72
CalibratedClassifierCV	0.72	0.40	0.72	0.73	0.72
LinearSVC	0.70	0.39	0.71	0.73	0.70
RidgeClassifierCV	0.65	0.55	0.69	0.75	0.65
NearestCentroid	0.67	0.66	0.69	0.72	0.67
PassiveAggressiveClassifier	0.65	0.37	0.67	0.70	0.65
Perceptron	0.67	0.35	0.67	0.67	0.67
RidgeClassifier	0.63	0.54	0.67	0.72	0.63
QuadraticDiscriminantAnalysis	0.76	0.33	0.66	0.58	0.76
LabelSpreading	0.76	0.33	0.66	0.58	0.76
LabelPropagation	0.76	0.33	0.66	0.58	0.76
BernoulliNB	0.63	0.52	0.66	0.70	0.63
KNeighborsClassifier	0.61	0.80	0.64	0.85	0.61
LinearDiscriminantAnalysis	0.54	0.38	0.59	0.67	0.54
ExtraTreeClassifier	0.54	0.32	0.58	0.63	0.54
DummyClassifier	0.22	0.44	0.26	0.55	0.22

Table 16: **Prediction results for Moon Landing Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

1.5 Flat Earth

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
RandomForestClassifier	0.77	0.62	0.77	0.78	0.77
XGBClassifier	0.73	0.58	0.76	0.81	0.73
SVC	0.73	0.68	0.75	0.79	0.73
ExtraTreesClassifier	0.73	0.55	0.73	0.73	0.73
LGBMClassifier	0.69	0.46	0.72	0.75	0.69
NuSVC	0.69	0.74	0.71	0.78	0.69
ExtraTreeClassifier	0.67	0.73	0.69	0.77	0.67
BaggingClassifier	0.67	0.53	0.68	0.71	0.67
LinearSVC	0.65	0.52	0.68	0.74	0.65
SGDClassifier	0.65	0.52	0.67	0.72	0.65
RidgeClassifierCV	0.63	0.53	0.67	0.77	0.63
GaussianNB	0.65	0.67	0.67	0.75	0.65
LogisticRegression	0.63	0.51	0.67	0.74	0.63
Perceptron	0.60	0.50	0.65	0.73	0.60
KNeighborsClassifier	0.60	0.77	0.65	0.85	0.60
RidgeClassifier	0.58	0.51	0.65	0.79	0.58
PassiveAggressiveClassifier	0.60	0.50	0.64	0.71	0.60
CalibratedClassifierCV	0.60	0.50	0.64	0.71	0.60
LabelSpreading	0.69	0.62	0.62	0.57	0.69
QuadraticDiscriminantAnalysis	0.73	0.33	0.61	0.53	0.73
LabelPropagation	0.73	0.33	0.61	0.53	0.73
LinearDiscriminantAnalysis	0.54	0.49	0.61	0.78	0.54
DecisionTreeClassifier	0.58	0.54	0.60	0.63	0.58
AdaBoostClassifier	0.54	0.55	0.57	0.64	0.54
NearestCentroid	0.54	0.74	0.56	0.74	0.54
BernoulliNB	0.48	0.59	0.52	0.72	0.48
DummyClassifier	0.31	0.47	0.34	0.64	0.31

Table 17: **Prediction results for Flat Earth topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
RandomForestClassifier	0.85	0.89	0.86	0.87	0.85
ExtraTreesClassifier	0.79	0.73	0.80	0.80	0.79
XGBClassifier	0.79	0.63	0.79	0.79	0.79
NuSVC	0.77	0.80	0.79	0.84	0.77
Perceptron	0.77	0.67	0.79	0.83	0.77
SGDClassifier	0.77	0.50	0.76	0.75	0.77
SVC	0.73	0.66	0.75	0.81	0.73
LogisticRegression	0.73	0.68	0.75	0.79	0.73
LGBMClassifier	0.75	0.51	0.75	0.75	0.75
BaggingClassifier	0.73	0.58	0.74	0.76	0.73
PassiveAggressiveClassifier	0.67	0.53	0.69	0.72	0.67
CalibratedClassifierCV	0.67	0.53	0.69	0.72	0.67
AdaBoostClassifier	0.67	0.67	0.68	0.74	0.67
ExtraTreeClassifier	0.65	0.62	0.68	0.73	0.65
LinearSVC	0.65	0.52	0.67	0.71	0.65
GaussianNB	0.63	0.63	0.66	0.74	0.63
RidgeClassifierCV	0.58	0.51	0.64	0.75	0.58
RidgeClassifier	0.58	0.53	0.63	0.74	0.58
KNeighborsClassifier	0.58	0.76	0.62	0.81	0.58
QuadraticDiscriminantAnalysis	0.73	0.33	0.61	0.53	0.73
LabelPropagation	0.73	0.33	0.61	0.53	0.73
LabelSpreading	0.69	0.31	0.59	0.52	0.69
NearestCentroid	0.54	0.74	0.56	0.74	0.54
BernoulliNB	0.52	0.61	0.55	0.71	0.52
DecisionTreeClassifier	0.52	0.39	0.55	0.60	0.52
LinearDiscriminantAnalysis	0.46	0.45	0.52	0.72	0.46
DummyClassifier	0.31	0.47	0.34	0.64	0.31

Table 18: **Prediction results for Flat Earth topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
LGBMClassifier	0.79	0.61	0.79	0.78	0.79
NuSVC	0.77	0.80	0.78	0.81	0.77
RandomForestClassifier	0.77	0.60	0.77	0.76	0.77
XGBClassifier	0.75	0.59	0.76	0.76	0.75
SVC	0.73	0.55	0.73	0.73	0.73
BernoulliNB	0.71	0.77	0.73	0.79	0.71
ExtraTreesClassifier	0.73	0.63	0.72	0.72	0.73
GaussianNB	0.69	0.68	0.72	0.79	0.69
SGDClassifier	0.73	0.43	0.71	0.70	0.73
AdaBoostClassifier	0.71	0.47	0.70	0.70	0.71
BaggingClassifier	0.69	0.56	0.70	0.71	0.69
Perceptron	0.67	0.50	0.69	0.72	0.67
LogisticRegression	0.67	0.50	0.69	0.72	0.67
NearestCentroid	0.67	0.67	0.69	0.74	0.67
RidgeClassifierCV	0.65	0.52	0.68	0.74	0.65
DecisionTreeClassifier	0.69	0.51	0.68	0.68	0.69
CalibratedClassifierCV	0.65	0.39	0.67	0.72	0.65
LinearSVC	0.63	0.38	0.66	0.71	0.63
KNeighborsClassifier	0.60	0.70	0.66	0.81	0.60
PassiveAggressiveClassifier	0.60	0.37	0.64	0.69	0.60
QuadraticDiscriminantAnalysis	0.73	0.33	0.61	0.53	0.73
LabelPropagation	0.73	0.33	0.61	0.53	0.73
ExtraTreeClassifier	0.58	0.42	0.59	0.61	0.58
LabelSpreading	0.69	0.31	0.59	0.52	0.69
RidgeClassifier	0.56	0.38	0.59	0.63	0.56
LinearDiscriminantAnalysis	0.46	0.41	0.50	0.60	0.46
DummyClassifier	0.31	0.47	0.34	0.64	0.31

Table 19: **Prediction results for Flat Earth topic using Word2Vec Google News - 300D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization					
Model	Accuracy	Balanced Accuracy	F1 Score	Precision	Recall
BaggingClassifier	0.77	0.64	0.79	0.83	0.77
NuSVC	0.75	0.61	0.77	0.81	0.75
SVC	0.75	0.69	0.76	0.76	0.75
LGBMClassifier	0.77	0.55	0.75	0.75	0.77
ExtraTreesClassifier	0.75	0.56	0.75	0.74	0.75
BernoulliNB	0.73	0.80	0.74	0.79	0.73
RandomForestClassifier	0.75	0.64	0.74	0.74	0.75
ExtraTreeClassifier	0.71	0.65	0.73	0.77	0.71
XGBClassifier	0.73	0.63	0.73	0.73	0.73
SGDClassifier	0.71	0.67	0.72	0.76	0.71
Perceptron	0.69	0.64	0.70	0.73	0.69
AdaBoostClassifier	0.67	0.55	0.69	0.73	0.67
GaussianNB	0.67	0.65	0.69	0.73	0.67
LinearSVC	0.65	0.62	0.67	0.72	0.65
CalibratedClassifierCV	0.65	0.59	0.67	0.71	0.65
LogisticRegression	0.65	0.59	0.67	0.71	0.65
PassiveAggressiveClassifier	0.65	0.59	0.67	0.71	0.65
RidgeClassifier	0.63	0.55	0.67	0.75	0.63
RidgeClassifierCV	0.63	0.61	0.66	0.73	0.63
NearestCentroid	0.63	0.55	0.66	0.71	0.63
LabelSpreading	0.73	0.54	0.65	0.58	0.73
QuadraticDiscriminantAnalysis	0.73	0.33	0.61	0.53	0.73
LabelPropagation	0.73	0.33	0.61	0.53	0.73
LinearDiscriminantAnalysis	0.56	0.48	0.61	0.68	0.56
KNeighborsClassifier	0.56	0.67	0.60	0.84	0.56
DecisionTreeClassifier	0.56	0.33	0.58	0.60	0.56
DummyClassifier	0.31	0.47	0.34	0.64	0.31

Table 20: **Prediction results for Flat Earth topic using Word2Vec Twitter - 200D text vectorization.** This table shows the three class (Misinformation, Debunking Misinformation, and Neutral) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, weighted F1-score, weighted Precision and weighted Recall).

2 Misinformation Classifier

2.1 Vaccines Controversy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SVC	0.97	0.89	0.89	0.97	0.97	0.97
LabelPropagation	0.93	0.87	0.87	0.94	0.96	0.93
LabelSpreading	0.93	0.87	0.87	0.94	0.96	0.93
BaggingClassifier	0.95	0.69	0.69	0.94	0.94	0.95
AdaBoostClassifier	0.93	0.68	0.68	0.93	0.93	0.93
LGBMClassifier	0.93	0.68	0.68	0.93	0.93	0.93
ExtraTreesClassifier	0.95	0.59	0.59	0.93	0.93	0.95
NuSVC	0.92	0.77	0.77	0.93	0.94	0.92
RandomForestClassifier	0.93	0.59	0.59	0.93	0.92	0.93
XGBClassifier	0.92	0.58	0.58	0.92	0.92	0.92
QuadraticDiscriminantAnalysis	0.95	0.50	0.50	0.92	0.89	0.95
ExtraTreeClassifier	0.89	0.66	0.66	0.90	0.92	0.89
LinearSVC	0.89	0.66	0.66	0.90	0.92	0.89
GaussianNB	0.88	0.75	0.75	0.90	0.93	0.88
LogisticRegression	0.88	0.65	0.65	0.90	0.92	0.88
SGDClassifier	0.88	0.65	0.65	0.90	0.92	0.88
PassiveAggressiveClassifier	0.86	0.64	0.64	0.88	0.92	0.86
Perceptron	0.86	0.64	0.64	0.88	0.92	0.86
DecisionTreeClassifier	0.86	0.64	0.64	0.88	0.92	0.86
LinearDiscriminantAnalysis	0.85	0.73	0.73	0.88	0.93	0.85
CalibratedClassifierCV	0.85	0.73	0.73	0.88	0.93	0.85
RidgeClassifier	0.85	0.73	0.73	0.88	0.93	0.85
RidgeClassifierCV	0.84	0.72	0.72	0.87	0.93	0.84
KNeighborsClassifier	0.78	0.88	0.88	0.84	0.96	0.78
BernoulliNB	0.65	0.53	0.53	0.74	0.90	0.65
NearestCentroid	0.64	0.53	0.53	0.74	0.90	0.64
DummyClassifier	0.49	0.64	0.64	0.61	0.93	0.49

Table 21: **Prediction results for Vaccines Controversy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SVC	0.97	0.79	0.79	0.97	0.96	0.97
LabelSpreading	0.97	0.70	0.70	0.96	0.97	0.97
LabelPropagation	0.97	0.70	0.70	0.96	0.97	0.97
LGBMClassifier	0.96	0.69	0.69	0.95	0.95	0.96
XGBClassifier	0.96	0.69	0.69	0.95	0.95	0.96
ExtraTreesClassifier	0.96	0.60	0.60	0.94	0.96	0.96
NuSVC	0.92	0.87	0.87	0.93	0.96	0.92
AdaBoostClassifier	0.93	0.68	0.68	0.93	0.93	0.93
DecisionTreeClassifier	0.93	0.68	0.68	0.93	0.93	0.93
RandomForestClassifier	0.95	0.59	0.59	0.93	0.93	0.95
QuadraticDiscriminantAnalysis	0.95	0.50	0.50	0.92	0.89	0.95
GaussianNB	0.90	0.76	0.76	0.92	0.94	0.90
BaggingClassifier	0.91	0.58	0.58	0.91	0.91	0.91
Perceptron	0.89	0.66	0.66	0.90	0.92	0.89
SGDClassifier	0.88	0.65	0.65	0.90	0.92	0.88
LogisticRegression	0.87	0.65	0.65	0.89	0.92	0.87
PassiveAggressiveClassifier	0.86	0.64	0.64	0.88	0.92	0.86
CalibratedClassifierCV	0.86	0.64	0.64	0.88	0.92	0.86
LinearSVC	0.86	0.64	0.64	0.88	0.92	0.86
RidgeClassifierCV	0.82	0.72	0.72	0.87	0.93	0.82
ExtraTreeClassifier	0.81	0.52	0.52	0.85	0.90	0.81
RidgeClassifier	0.75	0.58	0.58	0.81	0.91	0.75
BernoulliNB	0.74	0.58	0.58	0.81	0.91	0.74
NearestCentroid	0.71	0.57	0.57	0.79	0.91	0.71
LinearDiscriminantAnalysis	0.70	0.56	0.56	0.78	0.91	0.70
KNeighborsClassifier	0.68	0.83	0.83	0.77	0.95	0.68
DummyClassifier	0.49	0.64	0.64	0.61	0.93	0.49

Table 22: **Prediction results for Vaccines Controversy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LogisticRegression	0.97	0.89	0.89	0.97	0.97	0.97
CalibratedClassifierCV	0.97	0.79	0.79	0.97	0.96	0.97
LinearSVC	0.96	0.79	0.79	0.96	0.96	0.96
SGDClassifier	0.96	0.79	0.79	0.96	0.96	0.96
SVC	0.96	0.69	0.69	0.95	0.95	0.96
PassiveAggressiveClassifier	0.95	0.78	0.78	0.95	0.95	0.95
DecisionTreeClassifier	0.95	0.69	0.69	0.94	0.94	0.95
BaggingClassifier	0.95	0.69	0.69	0.94	0.94	0.95
LabelSpreading	0.96	0.60	0.60	0.94	0.96	0.96
LabelPropagation	0.96	0.60	0.60	0.94	0.96	0.96
ExtraTreesClassifier	0.96	0.60	0.60	0.94	0.96	0.96
NuSVC	0.93	0.78	0.78	0.94	0.95	0.93
Perceptron	0.93	0.78	0.78	0.94	0.95	0.93
AdaBoostClassifier	0.93	0.68	0.68	0.93	0.93	0.93
RandomForestClassifier	0.93	0.59	0.59	0.93	0.92	0.93
XGBClassifier	0.93	0.59	0.59	0.93	0.92	0.93
LGBMClassifier	0.93	0.59	0.59	0.93	0.92	0.93
ExtraTreeClassifier	0.91	0.67	0.67	0.92	0.93	0.91
QuadraticDiscriminantAnalysis	0.95	0.50	0.50	0.92	0.89	0.95
GaussianNB	0.89	0.75	0.75	0.91	0.94	0.89
RidgeClassifier	0.87	0.93	0.93	0.90	0.96	0.87
LinearDiscriminantAnalysis	0.87	0.93	0.93	0.90	0.96	0.87
RidgeClassifierCV	0.87	0.84	0.84	0.90	0.95	0.87
KNeighborsClassifier	0.82	0.91	0.91	0.87	0.96	0.82
BernoulliNB	0.76	0.68	0.68	0.82	0.92	0.76
NearestCentroid	0.73	0.67	0.67	0.80	0.92	0.73
DummyClassifier	0.49	0.64	0.64	0.61	0.93	0.49

Table 23: **Prediction results for Vaccines Controversy topic using Word2Vec Google News - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LabelPropagation	0.97	0.79	0.79	0.97	0.96	0.97
LabelSpreading	0.97	0.79	0.79	0.97	0.96	0.97
XGBClassifier	0.97	0.70	0.70	0.96	0.97	0.97
AdaBoostClassifier	0.96	0.69	0.69	0.95	0.95	0.96
SVC	0.95	0.69	0.69	0.94	0.94	0.95
RandomForestClassifier	0.96	0.60	0.60	0.94	0.96	0.96
LGBMClassifier	0.96	0.60	0.60	0.94	0.96	0.96
ExtraTreesClassifier	0.95	0.59	0.59	0.93	0.93	0.95
LinearSVC	0.92	0.77	0.77	0.93	0.94	0.92
CalibratedClassifierCV	0.92	0.77	0.77	0.93	0.94	0.92
Perceptron	0.92	0.77	0.77	0.93	0.94	0.92
PassiveAggressiveClassifier	0.92	0.77	0.77	0.93	0.94	0.92
NuSVC	0.91	0.77	0.77	0.92	0.94	0.91
QuadraticDiscriminantAnalysis	0.95	0.50	0.50	0.92	0.89	0.95
BaggingClassifier	0.93	0.49	0.49	0.91	0.89	0.93
SGDClassifier	0.90	0.67	0.67	0.91	0.92	0.90
LogisticRegression	0.89	0.75	0.75	0.91	0.94	0.89
GaussianNB	0.86	0.74	0.74	0.89	0.93	0.86
DecisionTreeClassifier	0.88	0.47	0.47	0.88	0.89	0.88
ExtraTreeClassifier	0.86	0.64	0.64	0.88	0.92	0.86
RidgeClassifierCV	0.85	0.73	0.73	0.88	0.93	0.85
RidgeClassifier	0.84	0.72	0.72	0.87	0.93	0.84
LinearDiscriminantAnalysis	0.84	0.72	0.72	0.87	0.93	0.84
KNeighborsClassifier	0.70	0.84	0.84	0.78	0.95	0.70
BernoulliNB	0.70	0.56	0.56	0.78	0.91	0.70
NearestCentroid	0.69	0.55	0.55	0.78	0.90	0.69
DummyClassifier	0.49	0.64	0.64	0.61	0.93	0.49

Table 24: **Prediction results for Vaccines Controversy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

2.2 9/11 Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
BaggingClassifier	0.92	0.77	0.77	0.92	0.92	0.92
ExtraTreesClassifier	0.91	0.76	0.76	0.91	0.91	0.91
LinearSVC	0.89	0.88	0.88	0.90	0.93	0.89
SVC	0.89	0.88	0.88	0.90	0.93	0.89
RandomForestClassifier	0.89	0.75	0.75	0.90	0.90	0.89
PassiveAggressiveClassifier	0.88	0.87	0.87	0.89	0.92	0.88
NuSVC	0.86	0.86	0.86	0.88	0.92	0.86
CalibratedClassifierCV	0.86	0.86	0.86	0.88	0.92	0.86
LabelSpreading	0.86	0.80	0.80	0.88	0.90	0.86
LogisticRegression	0.86	0.80	0.80	0.88	0.90	0.86
LabelPropagation	0.86	0.80	0.80	0.88	0.90	0.86
LGBMClassifier	0.86	0.73	0.73	0.87	0.89	0.86
AdaBoostClassifier	0.85	0.85	0.85	0.87	0.92	0.85
SGDClassifier	0.85	0.73	0.73	0.86	0.88	0.85
XGBClassifier	0.85	0.73	0.73	0.86	0.88	0.85
DecisionTreeClassifier	0.83	0.72	0.72	0.85	0.88	0.83
QuadraticDiscriminantAnalysis	0.89	0.50	0.50	0.84	0.80	0.89
Perceptron	0.80	0.76	0.76	0.83	0.89	0.80
RidgeClassifierCV	0.78	0.82	0.82	0.82	0.91	0.78
RidgeClassifier	0.78	0.82	0.82	0.82	0.91	0.78
ExtraTreeClassifier	0.77	0.62	0.62	0.80	0.85	0.77
LinearDiscriminantAnalysis	0.75	0.80	0.80	0.80	0.90	0.75
GaussianNB	0.66	0.75	0.75	0.73	0.89	0.66
BernoulliNB	0.65	0.68	0.68	0.71	0.87	0.65
NearestCentroid	0.63	0.67	0.67	0.70	0.87	0.63
KNeighborsClassifier	0.63	0.79	0.79	0.70	0.92	0.63
DummyClassifier	0.52	0.67	0.67	0.60	0.88	0.52

Table 25: **Prediction results for 9/11 Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
ExtraTreesClassifier	0.94	0.78	0.78	0.93	0.93	0.94
SVC	0.92	0.83	0.83	0.93	0.93	0.92
LGBMClassifier	0.91	0.70	0.70	0.90	0.90	0.91
LabelPropagation	0.91	0.70	0.70	0.90	0.90	0.91
LabelSpreading	0.91	0.70	0.70	0.90	0.90	0.91
BaggingClassifier	0.91	0.70	0.70	0.90	0.90	0.91
XGBClassifier	0.91	0.70	0.70	0.90	0.90	0.91
NuSVC	0.88	0.87	0.87	0.89	0.92	0.88
RandomForestClassifier	0.89	0.69	0.69	0.89	0.89	0.89
AdaBoostClassifier	0.86	0.80	0.80	0.88	0.90	0.86
PassiveAggressiveClassifier	0.86	0.80	0.80	0.88	0.90	0.86
Perceptron	0.85	0.79	0.79	0.87	0.90	0.85
LinearSVC	0.85	0.79	0.79	0.87	0.90	0.85
CalibratedClassifierCV	0.85	0.79	0.79	0.87	0.90	0.85
LogisticRegression	0.83	0.78	0.78	0.85	0.90	0.83
SGDClassifier	0.85	0.60	0.60	0.85	0.85	0.85
QuadraticDiscriminantAnalysis	0.89	0.50	0.50	0.84	0.80	0.89
DecisionTreeClassifier	0.80	0.64	0.64	0.82	0.85	0.80
ExtraTreeClassifier	0.80	0.64	0.64	0.82	0.85	0.80
BernoulliNB	0.75	0.74	0.74	0.80	0.88	0.75
RidgeClassifierCV	0.71	0.71	0.71	0.76	0.88	0.71
LinearDiscriminantAnalysis	0.69	0.70	0.70	0.75	0.87	0.69
RidgeClassifier	0.69	0.70	0.70	0.75	0.87	0.69
GaussianNB	0.66	0.75	0.75	0.73	0.89	0.66
NearestCentroid	0.66	0.68	0.68	0.73	0.87	0.66
KNeighborsClassifier	0.54	0.74	0.74	0.62	0.91	0.54
DummyClassifier	0.52	0.67	0.67	0.60	0.88	0.52

Table 26: **Prediction results for 9/11 Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SGDClassifier	0.94	0.78	0.78	0.93	0.93	0.94
ExtraTreesClassifier	0.92	0.71	0.71	0.91	0.91	0.92
LGBMClassifier	0.91	0.76	0.76	0.91	0.91	0.91
RandomForestClassifier	0.91	0.70	0.70	0.90	0.90	0.91
LogisticRegression	0.89	0.81	0.81	0.90	0.91	0.89
SVC	0.89	0.81	0.81	0.90	0.91	0.89
Perceptron	0.89	0.81	0.81	0.90	0.91	0.89
NuSVC	0.89	0.81	0.81	0.90	0.91	0.89
CalibratedClassifierCV	0.89	0.75	0.75	0.90	0.90	0.89
XGBClassifier	0.89	0.75	0.75	0.90	0.90	0.89
PassiveAggressiveClassifier	0.89	0.75	0.75	0.90	0.90	0.89
LinearSVC	0.88	0.74	0.74	0.88	0.89	0.88
ExtraTreeClassifier	0.86	0.73	0.73	0.87	0.89	0.86
BaggingClassifier	0.88	0.62	0.62	0.87	0.86	0.88
AdaBoostClassifier	0.86	0.61	0.61	0.86	0.85	0.86
LabelSpreading	0.88	0.55	0.55	0.85	0.84	0.88
LabelPropagation	0.88	0.55	0.55	0.85	0.84	0.88
QuadraticDiscriminantAnalysis	0.89	0.50	0.50	0.84	0.80	0.89
DecisionTreeClassifier	0.82	0.65	0.65	0.83	0.86	0.82
RidgeClassifierCV	0.74	0.67	0.67	0.78	0.86	0.74
BernoulliNB	0.72	0.78	0.78	0.77	0.90	0.72
RidgeClassifier	0.71	0.71	0.71	0.76	0.88	0.71
GaussianNB	0.69	0.76	0.76	0.75	0.90	0.69
LinearDiscriminantAnalysis	0.69	0.70	0.70	0.75	0.87	0.69
NearestCentroid	0.65	0.74	0.74	0.71	0.89	0.65
DummyClassifier	0.52	0.67	0.67	0.60	0.88	0.52
KNeighborsClassifier	0.51	0.72	0.72	0.59	0.91	0.51

Table 27: **Prediction results for 9/11 Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LGBMClassifier	0.94	0.78	0.78	0.93	0.93	0.94
ExtraTreesClassifier	0.94	0.78	0.78	0.93	0.93	0.94
XGBClassifier	0.94	0.78	0.78	0.93	0.93	0.94
RandomForestClassifier	0.92	0.71	0.71	0.91	0.91	0.92
SVC	0.91	0.82	0.82	0.91	0.92	0.91
AdaBoostClassifier	0.89	0.75	0.75	0.90	0.90	0.89
NuSVC	0.88	0.87	0.87	0.89	0.92	0.88
BaggingClassifier	0.89	0.69	0.69	0.89	0.89	0.89
LabelSpreading	0.89	0.69	0.69	0.89	0.89	0.89
LabelPropagation	0.89	0.69	0.69	0.89	0.89	0.89
SGDClassifier	0.88	0.74	0.74	0.88	0.89	0.88
DecisionTreeClassifier	0.86	0.73	0.73	0.87	0.89	0.86
Perceptron	0.86	0.73	0.73	0.87	0.89	0.86
LinearSVC	0.86	0.73	0.73	0.87	0.89	0.86
PassiveAggressiveClassifier	0.85	0.73	0.73	0.86	0.88	0.85
CalibratedClassifierCV	0.85	0.73	0.73	0.86	0.88	0.85
LogisticRegression	0.83	0.72	0.72	0.85	0.88	0.83
QuadraticDiscriminantAnalysis	0.89	0.50	0.50	0.84	0.80	0.89
LinearDiscriminantAnalysis	0.80	0.70	0.70	0.83	0.87	0.80
RidgeClassifier	0.80	0.70	0.70	0.83	0.87	0.80
RidgeClassifierCV	0.80	0.70	0.70	0.83	0.87	0.80
ExtraTreeClassifier	0.78	0.69	0.69	0.82	0.87	0.78
BernoulliNB	0.74	0.73	0.73	0.78	0.88	0.74
NearestCentroid	0.66	0.75	0.75	0.73	0.89	0.66
GaussianNB	0.60	0.71	0.71	0.67	0.89	0.60
KNeighborsClassifier	0.54	0.74	0.74	0.62	0.91	0.54
DummyClassifier	0.52	0.67	0.67	0.60	0.88	0.52

Table 28: **Prediction results for 9/11 Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

2.3 Chem-trail Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
ExtraTreeClassifier	0.88	0.90	0.90	0.88	0.90	0.88
CalibratedClassifierCV	0.88	0.87	0.87	0.88	0.88	0.88
AdaBoostClassifier	0.88	0.86	0.86	0.88	0.88	0.88
Perceptron	0.88	0.86	0.86	0.88	0.88	0.88
LogisticRegression	0.86	0.86	0.86	0.86	0.87	0.86
XGBClassifier	0.86	0.85	0.85	0.86	0.87	0.86
SVC	0.86	0.85	0.85	0.86	0.87	0.86
LGBMClassifier	0.86	0.85	0.85	0.86	0.87	0.86
LinearSVC	0.86	0.84	0.84	0.86	0.86	0.86
SGDClassifier	0.85	0.84	0.84	0.85	0.85	0.85
ExtraTreesClassifier	0.85	0.81	0.81	0.84	0.84	0.85
NuSVC	0.83	0.83	0.83	0.84	0.84	0.83
PassiveAggressiveClassifier	0.83	0.82	0.82	0.84	0.84	0.83
LabelSpreading	0.83	0.77	0.77	0.83	0.83	0.83
LabelPropagation	0.83	0.77	0.77	0.83	0.83	0.83
RandomForestClassifier	0.82	0.79	0.79	0.82	0.82	0.82
LinearDiscriminantAnalysis	0.81	0.81	0.81	0.81	0.83	0.81
RidgeClassifier	0.81	0.81	0.81	0.81	0.83	0.81
RidgeClassifierCV	0.79	0.80	0.80	0.80	0.82	0.79
BaggingClassifier	0.79	0.74	0.74	0.79	0.79	0.79
DecisionTreeClassifier	0.75	0.76	0.76	0.76	0.78	0.75
BernoulliNB	0.74	0.73	0.73	0.74	0.75	0.74
KNeighborsClassifier	0.65	0.73	0.73	0.66	0.81	0.65
QuadraticDiscriminantAnalysis	0.72	0.57	0.57	0.64	0.80	0.72
NearestCentroid	0.63	0.67	0.67	0.64	0.72	0.63
GaussianNB	0.61	0.65	0.65	0.62	0.70	0.61
DummyClassifier	0.42	0.42	0.42	0.44	0.49	0.42

Table 29: **Prediction results for Chem-trail Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
XGBClassifier	0.92	0.90	0.90	0.92	0.92	0.92
SGDClassifier	0.90	0.89	0.89	0.90	0.90	0.90
SVC	0.89	0.90	0.90	0.89	0.90	0.89
Perceptron	0.89	0.88	0.88	0.89	0.89	0.89
LGBMClassifier	0.89	0.86	0.86	0.89	0.89	0.89
LinearSVC	0.88	0.89	0.89	0.88	0.89	0.88
CalibratedClassifierCV	0.88	0.86	0.86	0.88	0.88	0.88
RidgeClassifierCV	0.86	0.87	0.87	0.86	0.88	0.86
LogisticRegression	0.86	0.86	0.86	0.86	0.87	0.86
NuSVC	0.85	0.84	0.84	0.85	0.85	0.85
RidgeClassifier	0.83	0.84	0.84	0.84	0.85	0.83
AdaBoostClassifier	0.83	0.83	0.83	0.84	0.84	0.83
PassiveAggressiveClassifier	0.83	0.83	0.83	0.84	0.84	0.83
LabelPropagation	0.85	0.76	0.76	0.83	0.88	0.85
LabelSpreading	0.85	0.76	0.76	0.83	0.88	0.85
ExtraTreesClassifier	0.83	0.77	0.77	0.83	0.83	0.83
RandomForestClassifier	0.82	0.76	0.76	0.81	0.82	0.82
DecisionTreeClassifier	0.81	0.78	0.78	0.81	0.81	0.81
BaggingClassifier	0.81	0.76	0.76	0.80	0.80	0.81
ExtraTreeClassifier	0.78	0.76	0.76	0.78	0.78	0.78
NearestCentroid	0.75	0.80	0.80	0.76	0.84	0.75
LinearDiscriminantAnalysis	0.74	0.76	0.76	0.74	0.79	0.74
BernoulliNB	0.74	0.71	0.71	0.74	0.75	0.74
KNeighborsClassifier	0.65	0.74	0.74	0.65	0.83	0.65
GaussianNB	0.64	0.67	0.67	0.65	0.71	0.64
QuadraticDiscriminantAnalysis	0.69	0.52	0.52	0.58	0.79	0.69
DummyClassifier	0.42	0.42	0.42	0.44	0.49	0.42

Table 30: **Prediction results for Chem-trail Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
CalibratedClassifierCV	0.92	0.90	0.90	0.92	0.92	0.92
LogisticRegression	0.89	0.91	0.91	0.89	0.91	0.89
SVC	0.89	0.88	0.88	0.89	0.89	0.89
AdaBoostClassifier	0.89	0.87	0.87	0.89	0.89	0.89
SGDClassifier	0.88	0.87	0.87	0.88	0.88	0.88
XGBClassifier	0.88	0.85	0.85	0.87	0.87	0.88
LGBMClassifier	0.88	0.85	0.85	0.87	0.87	0.88
BaggingClassifier	0.88	0.84	0.84	0.87	0.87	0.88
ExtraTreesClassifier	0.88	0.83	0.83	0.87	0.88	0.88
PassiveAggressiveClassifier	0.86	0.87	0.87	0.86	0.88	0.86
NuSVC	0.86	0.83	0.83	0.86	0.86	0.86
RidgeClassifierCV	0.85	0.85	0.85	0.85	0.86	0.85
RandomForestClassifier	0.85	0.81	0.81	0.84	0.84	0.85
BernoulliNB	0.83	0.82	0.82	0.84	0.84	0.83
LinearSVC	0.82	0.84	0.84	0.83	0.86	0.82
Perceptron	0.82	0.82	0.82	0.82	0.84	0.82
LabelSpreading	0.83	0.74	0.74	0.81	0.87	0.83
LabelPropagation	0.83	0.74	0.74	0.81	0.87	0.83
LinearDiscriminantAnalysis	0.81	0.81	0.81	0.81	0.83	0.81
RidgeClassifier	0.81	0.81	0.81	0.81	0.83	0.81
ExtraTreeClassifier	0.81	0.81	0.81	0.81	0.83	0.81
NearestCentroid	0.79	0.80	0.80	0.80	0.82	0.79
DecisionTreeClassifier	0.79	0.78	0.78	0.79	0.80	0.79
GaussianNB	0.68	0.66	0.66	0.69	0.70	0.68
KNeighborsClassifier	0.65	0.74	0.74	0.65	0.83	0.65
QuadraticDiscriminantAnalysis	0.68	0.50	0.50	0.55	0.46	0.68
DummyClassifier	0.42	0.42	0.42	0.44	0.49	0.42

Table 31: **Prediction results for Chem-trail Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SGDClassifier	0.89	0.87	0.87	0.89	0.89	0.89
CalibratedClassifierCV	0.88	0.87	0.87	0.88	0.88	0.88
XGBClassifier	0.88	0.86	0.86	0.88	0.88	0.88
LGBMClassifier	0.88	0.85	0.85	0.87	0.87	0.88
AdaBoostClassifier	0.86	0.85	0.85	0.86	0.87	0.86
BaggingClassifier	0.86	0.85	0.85	0.86	0.87	0.86
RandomForestClassifier	0.86	0.85	0.85	0.86	0.87	0.86
ExtraTreesClassifier	0.86	0.82	0.82	0.86	0.86	0.86
LinearSVC	0.85	0.84	0.84	0.85	0.85	0.85
SVC	0.85	0.84	0.84	0.85	0.85	0.85
LogisticRegression	0.83	0.84	0.84	0.84	0.85	0.83
Perceptron	0.83	0.84	0.84	0.84	0.85	0.83
PassiveAggressiveClassifier	0.83	0.83	0.83	0.84	0.84	0.83
NuSVC	0.83	0.82	0.82	0.84	0.84	0.83
RidgeClassifierCV	0.82	0.84	0.84	0.83	0.86	0.82
RidgeClassifier	0.82	0.84	0.84	0.83	0.86	0.82
LinearDiscriminantAnalysis	0.82	0.84	0.84	0.83	0.86	0.82
LabelSpreading	0.83	0.75	0.75	0.82	0.85	0.83
LabelPropagation	0.83	0.75	0.75	0.82	0.85	0.83
BernoulliNB	0.79	0.77	0.77	0.79	0.79	0.79
DecisionTreeClassifier	0.79	0.75	0.75	0.79	0.79	0.79
NearestCentroid	0.75	0.79	0.79	0.76	0.82	0.75
ExtraTreeClassifier	0.72	0.69	0.69	0.73	0.73	0.72
KNeighborsClassifier	0.65	0.74	0.74	0.65	0.83	0.65
GaussianNB	0.58	0.60	0.60	0.60	0.65	0.58
QuadraticDiscriminantAnalysis	0.68	0.50	0.50	0.55	0.46	0.68
DummyClassifier	0.42	0.42	0.42	0.44	0.49	0.42

Table 32: **Prediction results for Chem-trail Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

2.4 Moon Landing Conspiracy

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SVC	0.93	0.73	0.73	0.94	0.95	0.93
NuSVC	0.93	0.73	0.73	0.94	0.95	0.93
ExtraTreesClassifier	0.96	0.50	0.50	0.94	0.91	0.96
QuadraticDiscriminantAnalysis	0.96	0.50	0.50	0.94	0.91	0.96
RandomForestClassifier	0.96	0.50	0.50	0.94	0.91	0.96
SGDClassifier	0.91	0.72	0.72	0.93	0.94	0.91
ExtraTreeClassifier	0.91	0.72	0.72	0.93	0.94	0.91
BernoulliNB	0.89	0.94	0.94	0.92	0.97	0.89
LabelSpreading	0.91	0.48	0.48	0.91	0.91	0.91
LabelPropagation	0.91	0.48	0.48	0.91	0.91	0.91
XGBClassifier	0.91	0.48	0.48	0.91	0.91	0.91
LGBMClassifier	0.91	0.48	0.48	0.91	0.91	0.91
LinearSVC	0.89	0.70	0.70	0.91	0.94	0.89
Perceptron	0.89	0.70	0.70	0.91	0.94	0.89
LogisticRegression	0.87	0.69	0.69	0.90	0.94	0.87
RidgeClassifierCV	0.87	0.69	0.69	0.90	0.94	0.87
PassiveAggressiveClassifier	0.87	0.69	0.69	0.90	0.94	0.87
AdaBoostClassifier	0.87	0.69	0.69	0.90	0.94	0.87
CalibratedClassifierCV	0.87	0.69	0.69	0.90	0.94	0.87
BaggingClassifier	0.87	0.45	0.45	0.89	0.91	0.87
NearestCentroid	0.85	0.92	0.92	0.89	0.97	0.85
LinearDiscriminantAnalysis	0.85	0.68	0.68	0.89	0.94	0.85
GaussianNB	0.85	0.68	0.68	0.89	0.94	0.85
RidgeClassifier	0.83	0.67	0.67	0.87	0.94	0.83
DecisionTreeClassifier	0.83	0.43	0.43	0.87	0.91	0.83
KNeighborsClassifier	0.67	0.83	0.83	0.77	0.96	0.67
DummyClassifier	0.43	0.47	0.47	0.57	0.91	0.43

Table 33: **Prediction results for Moon Landing Conspiracy topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
SVC	0.96	0.74	0.74	0.96	0.96	0.96
SGDClassifier	0.96	0.74	0.74	0.96	0.96	0.96
NuSVC	0.96	0.74	0.74	0.96	0.96	0.96
CalibratedClassifierCV	0.93	0.73	0.73	0.94	0.95	0.93
RandomForestClassifier	0.96	0.50	0.50	0.94	0.91	0.96
QuadraticDiscriminantAnalysis	0.96	0.50	0.50	0.94	0.91	0.96
LGBMClassifier	0.96	0.50	0.50	0.94	0.91	0.96
LabelSpreading	0.96	0.50	0.50	0.94	0.91	0.96
LabelPropagation	0.96	0.50	0.50	0.94	0.91	0.96
ExtraTreesClassifier	0.96	0.50	0.50	0.94	0.91	0.96
LinearSVC	0.91	0.72	0.72	0.93	0.94	0.91
ExtraTreeClassifier	0.91	0.72	0.72	0.93	0.94	0.91
PassiveAggressiveClassifier	0.91	0.72	0.72	0.93	0.94	0.91
BaggingClassifier	0.93	0.49	0.49	0.92	0.91	0.93
DecisionTreeClassifier	0.91	0.48	0.48	0.91	0.91	0.91
AdaBoostClassifier	0.91	0.48	0.48	0.91	0.91	0.91
Perceptron	0.89	0.70	0.70	0.91	0.94	0.89
LogisticRegression	0.89	0.70	0.70	0.91	0.94	0.89
RidgeClassifierCV	0.89	0.70	0.70	0.91	0.94	0.89
NearestCentroid	0.87	0.93	0.93	0.90	0.97	0.87
BernoulliNB	0.87	0.93	0.93	0.90	0.97	0.87
XGBClassifier	0.89	0.47	0.47	0.90	0.91	0.89
GaussianNB	0.87	0.69	0.69	0.90	0.94	0.87
RidgeClassifier	0.85	0.68	0.68	0.89	0.94	0.85
LinearDiscriminantAnalysis	0.65	0.58	0.58	0.75	0.93	0.65
KNeighborsClassifier	0.65	0.82	0.82	0.75	0.96	0.65
DummyClassifier	0.43	0.47	0.47	0.57	0.91	0.43

Table 34: **Prediction results for Moon Landing Conspiracy topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LGBMClassifier	0.96	0.74	0.74	0.96	0.96	0.96
NuSVC	0.96	0.74	0.74	0.96	0.96	0.96
XGBClassifier	0.93	0.73	0.73	0.94	0.95	0.93
SGDClassifier	0.93	0.73	0.73	0.94	0.95	0.93
AdaBoostClassifier	0.93	0.73	0.73	0.94	0.95	0.93
QuadraticDiscriminantAnalysis	0.96	0.50	0.50	0.94	0.91	0.96
RandomForestClassifier	0.96	0.50	0.50	0.94	0.91	0.96
LabelSpreading	0.96	0.50	0.50	0.94	0.91	0.96
LabelPropagation	0.96	0.50	0.50	0.94	0.91	0.96
ExtraTreesClassifier	0.96	0.50	0.50	0.94	0.91	0.96
NearestCentroid	0.91	0.95	0.95	0.93	0.97	0.91
DecisionTreeClassifier	0.91	0.72	0.72	0.93	0.94	0.91
BaggingClassifier	0.91	0.72	0.72	0.93	0.94	0.91
SVC	0.93	0.49	0.49	0.92	0.91	0.93
BernoulliNB	0.89	0.70	0.70	0.91	0.94	0.89
LogisticRegression	0.89	0.70	0.70	0.91	0.94	0.89
GaussianNB	0.89	0.70	0.70	0.91	0.94	0.89
PassiveAggressiveClassifier	0.87	0.69	0.69	0.90	0.94	0.87
CalibratedClassifierCV	0.87	0.69	0.69	0.90	0.94	0.87
Perceptron	0.87	0.69	0.69	0.90	0.94	0.87
RidgeClassifierCV	0.85	0.68	0.68	0.89	0.94	0.85
LinearSVC	0.85	0.68	0.68	0.89	0.94	0.85
RidgeClassifier	0.83	0.67	0.67	0.87	0.94	0.83
LinearDiscriminantAnalysis	0.80	0.66	0.66	0.86	0.94	0.80
ExtraTreeClassifier	0.80	0.66	0.66	0.86	0.94	0.80
KNeighborsClassifier	0.59	0.78	0.78	0.70	0.96	0.59
DummyClassifier	0.43	0.47	0.47	0.57	0.91	0.43

Table 35: **Prediction results for Moon Landing Conspiracy topic using Word2Vec Google News - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LGBMClassifier	0.96	0.74	0.74	0.96	0.96	0.96
BaggingClassifier	0.96	0.74	0.74	0.96	0.96	0.96
LabelSpreading	0.96	0.50	0.50	0.94	0.91	0.96
RandomForestClassifier	0.96	0.50	0.50	0.94	0.91	0.96
QuadraticDiscriminantAnalysis	0.96	0.50	0.50	0.94	0.91	0.96
LabelPropagation	0.96	0.50	0.50	0.94	0.91	0.96
ExtraTreesClassifier	0.96	0.50	0.50	0.94	0.91	0.96
XGBClassifier	0.91	0.72	0.72	0.93	0.94	0.91
Perceptron	0.91	0.72	0.72	0.93	0.94	0.91
PassiveAggressiveClassifier	0.91	0.72	0.72	0.93	0.94	0.91
SVC	0.93	0.49	0.49	0.92	0.91	0.93
NuSVC	0.91	0.48	0.48	0.91	0.91	0.91
ExtraTreeClassifier	0.91	0.48	0.48	0.91	0.91	0.91
DecisionTreeClassifier	0.91	0.48	0.48	0.91	0.91	0.91
LogisticRegression	0.89	0.70	0.70	0.91	0.94	0.89
AdaBoostClassifier	0.89	0.70	0.70	0.91	0.94	0.89
LinearSVC	0.89	0.70	0.70	0.91	0.94	0.89
CalibratedClassifierCV	0.89	0.70	0.70	0.91	0.94	0.89
SGDClassifier	0.87	0.45	0.45	0.89	0.91	0.87
BernoulliNB	0.85	0.92	0.92	0.89	0.97	0.85
GaussianNB	0.85	0.68	0.68	0.89	0.94	0.85
NearestCentroid	0.80	0.90	0.90	0.86	0.96	0.80
RidgeClassifierCV	0.80	0.66	0.66	0.86	0.94	0.80
KNeighborsClassifier	0.76	0.88	0.88	0.83	0.96	0.76
RidgeClassifier	0.74	0.63	0.63	0.82	0.93	0.74
LinearDiscriminantAnalysis	0.72	0.38	0.38	0.80	0.90	0.72
DummyClassifier	0.43	0.47	0.47	0.57	0.91	0.43

Table 36: **Prediction results for Moon Landing Conspiracy topic using Word2Vec Twitter - 200D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

2.5 Flat Earth

Using Stanford GloVe Wikipedia vectors - 100D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
QuadraticDiscriminantAnalysis	0.94	0.50	0.50	0.91	0.88	0.94
ExtraTreesClassifier	0.90	0.63	0.63	0.90	0.91	0.90
LabelPropagation	0.88	0.93	0.93	0.90	0.96	0.88
LabelSpreading	0.88	0.93	0.93	0.90	0.96	0.88
BaggingClassifier	0.88	0.62	0.62	0.89	0.91	0.88
DecisionTreeClassifier	0.85	0.61	0.61	0.88	0.90	0.85
RandomForestClassifier	0.88	0.47	0.47	0.88	0.88	0.88
ExtraTreeClassifier	0.83	0.76	0.76	0.87	0.93	0.83
SVC	0.83	0.76	0.76	0.87	0.93	0.83
NuSVC	0.79	0.89	0.89	0.84	0.95	0.79
XGBClassifier	0.81	0.43	0.43	0.84	0.87	0.81
LGBMClassifier	0.81	0.43	0.43	0.84	0.87	0.81
CalibratedClassifierCV	0.79	0.58	0.58	0.84	0.90	0.79
SGDClassifier	0.79	0.58	0.58	0.84	0.90	0.79
BernoulliNB	0.77	0.72	0.72	0.83	0.92	0.77
AdaBoostClassifier	0.77	0.41	0.41	0.82	0.87	0.77
NearestCentroid	0.75	0.71	0.71	0.81	0.92	0.75
LogisticRegression	0.75	0.56	0.56	0.81	0.89	0.75
PassiveAggressiveClassifier	0.75	0.56	0.56	0.81	0.89	0.75
Perceptron	0.75	0.56	0.56	0.81	0.89	0.75
KNeighborsClassifier	0.73	0.86	0.86	0.80	0.95	0.73
GaussianNB	0.73	0.86	0.86	0.80	0.95	0.73
RidgeClassifierCV	0.73	0.54	0.54	0.80	0.89	0.73
RidgeClassifier	0.71	0.53	0.53	0.78	0.89	0.71
LinearSVC	0.71	0.53	0.53	0.78	0.89	0.71
LinearDiscriminantAnalysis	0.71	0.53	0.53	0.78	0.89	0.71
DummyClassifier	0.46	0.56	0.56	0.58	0.90	0.46

Table 37: **Prediction results for Flat Earth topic using Stanford GloVe Wikipedia - 100D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Stanford GloVe Wikipedia vectors - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
LGBMClassifier	0.92	0.64	0.64	0.92	0.92	0.92
ExtraTreesClassifier	0.92	0.64	0.64	0.92	0.92	0.92
LabelPropagation	0.92	0.64	0.64	0.92	0.92	0.92
LabelSpreading	0.92	0.64	0.64	0.92	0.92	0.92
QuadraticDiscriminantAnalysis	0.94	0.50	0.50	0.91	0.88	0.94
XGBClassifier	0.90	0.63	0.63	0.90	0.91	0.90
BaggingClassifier	0.92	0.49	0.49	0.90	0.88	0.92
CalibratedClassifierCV	0.88	0.62	0.62	0.89	0.91	0.88
RandomForestClassifier	0.90	0.48	0.48	0.89	0.88	0.90
SVC	0.85	0.77	0.77	0.88	0.93	0.85
Perceptron	0.85	0.61	0.61	0.88	0.90	0.85
AdaBoostClassifier	0.85	0.61	0.61	0.88	0.90	0.85
LinearSVC	0.85	0.61	0.61	0.88	0.90	0.85
SGDClassifier	0.88	0.47	0.47	0.88	0.88	0.88
LogisticRegression	0.83	0.76	0.76	0.87	0.93	0.83
PassiveAggressiveClassifier	0.83	0.60	0.60	0.86	0.90	0.83
NuSVC	0.81	0.90	0.90	0.86	0.95	0.81
BernoulliNB	0.81	0.74	0.74	0.86	0.93	0.81
NearestCentroid	0.79	0.73	0.73	0.84	0.92	0.79
DecisionTreeClassifier	0.79	0.42	0.42	0.83	0.87	0.79
RidgeClassifierCV	0.77	0.57	0.57	0.82	0.89	0.77
GaussianNB	0.75	0.87	0.87	0.81	0.95	0.75
ExtraTreeClassifier	0.75	0.56	0.56	0.81	0.89	0.75
RidgeClassifier	0.69	0.52	0.52	0.77	0.89	0.69
KNeighborsClassifier	0.67	0.82	0.82	0.75	0.95	0.67
LinearDiscriminantAnalysis	0.52	0.43	0.43	0.64	0.87	0.52
DummyClassifier	0.46	0.56	0.56	0.58	0.90	0.46

Table 38: **Prediction results for Flat Earth topic using Stanford GloVe Wikipedia - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Google News - 300D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
AdaBoostClassifier	0.96	0.82	0.82	0.96	0.96	0.96
RandomForestClassifier	0.96	0.67	0.67	0.95	0.96	0.96
BaggingClassifier	0.96	0.67	0.67	0.95	0.96	0.96
LGBMClassifier	0.94	0.81	0.81	0.94	0.95	0.94
XGBClassifier	0.92	0.64	0.64	0.92	0.92	0.92
SVC	0.92	0.64	0.64	0.92	0.92	0.92
LabelPropagation	0.92	0.64	0.64	0.92	0.92	0.92
LabelSpreading	0.92	0.64	0.64	0.92	0.92	0.92
QuadraticDiscriminantAnalysis	0.94	0.50	0.50	0.91	0.88	0.94
ExtraTreeClassifier	0.90	0.63	0.63	0.90	0.91	0.90
ExtraTreesClassifier	0.90	0.48	0.48	0.89	0.88	0.90
Perceptron	0.85	0.61	0.61	0.88	0.90	0.85
DecisionTreeClassifier	0.88	0.47	0.47	0.88	0.88	0.88
NuSVC	0.83	0.91	0.91	0.87	0.95	0.83
LogisticRegression	0.83	0.60	0.60	0.86	0.90	0.83
SGDClassifier	0.83	0.60	0.60	0.86	0.90	0.83
BernoulliNB	0.81	0.90	0.90	0.86	0.95	0.81
CalibratedClassifierCV	0.83	0.44	0.44	0.85	0.87	0.83
NearestCentroid	0.79	0.73	0.73	0.84	0.92	0.79
PassiveAggressiveClassifier	0.79	0.42	0.42	0.83	0.87	0.79
LinearSVC	0.79	0.42	0.42	0.83	0.87	0.79
RidgeClassifierCV	0.77	0.57	0.57	0.82	0.89	0.77
GaussianNB	0.75	0.87	0.87	0.81	0.95	0.75
RidgeClassifier	0.71	0.38	0.38	0.78	0.86	0.71
LinearDiscriminantAnalysis	0.67	0.67	0.67	0.75	0.91	0.67
KNeighborsClassifier	0.67	0.82	0.82	0.75	0.95	0.67
DummyClassifier	0.46	0.56	0.56	0.58	0.90	0.46

Table 39: **Prediction results for Flat Earth topic using Word2Vec Google News - 300D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).

Using Word2Vec Twitter - 200D For Text Vectorization						
Model	Accuracy	Balanced Accuracy	ROC AUC	F1 Score	Precision	Recall
BaggingClassifier	0.96	0.82	0.82	0.96	0.96	0.96
XGBClassifier	0.96	0.82	0.82	0.96	0.96	0.96
RandomForestClassifier	0.96	0.67	0.67	0.95	0.96	0.96
DecisionTreeClassifier	0.94	0.97	0.97	0.95	0.97	0.94
LGBMClassifier	0.94	0.66	0.66	0.93	0.93	0.94
ExtraTreesClassifier	0.94	0.66	0.66	0.93	0.93	0.94
LabelSpreading	0.90	0.79	0.79	0.91	0.94	0.90
LabelPropagation	0.90	0.79	0.79	0.91	0.94	0.90
QuadraticDiscriminantAnalysis	0.94	0.50	0.50	0.91	0.88	0.94
Perceptron	0.88	0.78	0.78	0.90	0.93	0.88
SVC	0.88	0.78	0.78	0.90	0.93	0.88
BernoulliNB	0.85	0.92	0.92	0.89	0.96	0.85
CalibratedClassifierCV	0.85	0.77	0.77	0.88	0.93	0.85
AdaBoostClassifier	0.88	0.47	0.47	0.88	0.88	0.88
RidgeClassifierCV	0.83	0.76	0.76	0.87	0.93	0.83
ExtraTreeClassifier	0.81	0.74	0.74	0.86	0.93	0.81
SGDClassifier	0.81	0.74	0.74	0.86	0.93	0.81
LogisticRegression	0.81	0.74	0.74	0.86	0.93	0.81
NuSVC	0.81	0.74	0.74	0.86	0.93	0.81
PassiveAggressiveClassifier	0.81	0.74	0.74	0.86	0.93	0.81
LinearSVC	0.81	0.74	0.74	0.86	0.93	0.81
GaussianNB	0.79	0.89	0.89	0.84	0.95	0.79
RidgeClassifier	0.73	0.54	0.54	0.80	0.89	0.73
LinearDiscriminantAnalysis	0.71	0.53	0.53	0.78	0.89	0.71
NearestCentroid	0.69	0.52	0.52	0.77	0.89	0.69
KNeighborsClassifier	0.60	0.79	0.79	0.70	0.95	0.60
DummyClassifier	0.46	0.56	0.56	0.58	0.90	0.46

Table 40: **Prediction results for Flat Earth topic using Word2Vec Twitter - 200D text vectorization.** This table shows the two class (Misinformation, Not Misinformation (Debunking Misinformation + Neutral)) classification result by reporting various evaluation metrics (Accuracy, Balanced Accuracy, ROC AUC, weighted F1-score, weighted Precision and weighted Recall).