Titles+abstracts

Train Data

LogisticRegression=0.8782051282051282

[[148   3]

 [35 126]]

MultinomialNB= 0.8493589743589743

[[110 41]

 [6 155]]

ComplementNB= 0.8269230769230769

[[101 50]

 [4 157]]

BernoulliNB= 0.8685897435897436

[[136 15]

 [26 135]]

SVM.SVC= 0.8621794871794872

[[148   3]

 [40 121]]

SVM.NuSVC= 0.8878205128205128

[[147   4]

 [31 130]]

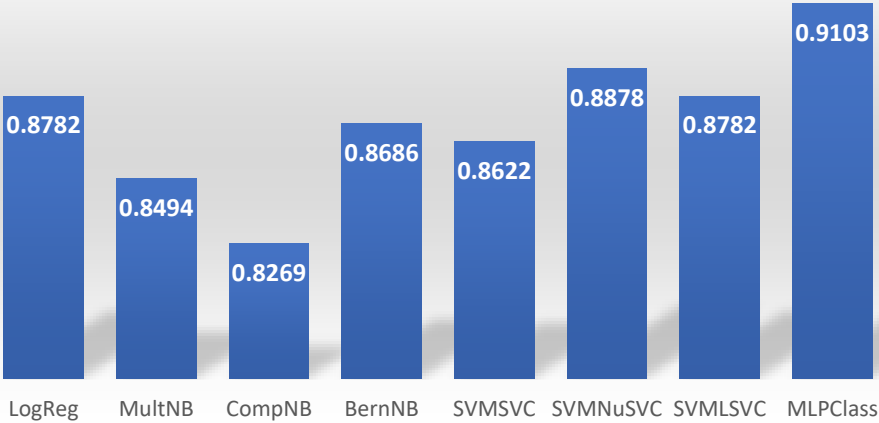SVM.LinearSVC= 0.8782051282051282

[[145   6]

 [32 129]]

MLPClassifier= 0.9102564102564102

[[136 15]

 [13 148]]

Train/Val Data f1-score

Model	f1-score
LogReg	0.8782
MultNB	0.8494
CompNB	0.8269
BernNB	0.8686
SVMSVC	0.8622
SVMNuSVC	0.8878
SVMLSVC	0.8782
MLPClass	0.9103

Test Data

LogisticRegression =0.8491978609625669

[[445 21]

 [120 349]]

SVM.NuSVC= 0.8545454545454545

[[448 18]

 [118 351]]

SVM.LinearSVC= 0.8727272727272727

[[444 22]

 [97 372]]

MLPClassifier= 0.8705882352941177

[[400 66]

 [55 414]]

Test Data f1-score

Model	f1-score
LogReg	0.8292
NuSVC	0.8545
LinearSVC	0.8727
MLPClass	0.8706