GaussianNB()

Accuracy: 0.84336 Precision: 0.44069 Recall: 0.35850 F1: 0.39537 F2: 0.37239

Total predictions: 14000 True positives: 717 False positives: 910 False negatives: 1283 True negatives: 11090

DecisionTreeClassifier(class\_weight=None, criterion='gini', max\_depth=None,

max\_features=None, max\_leaf\_nodes=None, min\_samples\_leaf=1,

min\_samples\_split=15, min\_weight\_fraction\_leaf=0.0,

presort=False, random\_state=None, splitter='best')

Accuracy: 0.81350 Precision: 0.29647 Recall: 0.22250 F1: 0.25421 F2: 0.23419

Total predictions: 14000 True positives: 445 False positives: 1056 False negatives: 1555 True negatives: 10944

AdaBoostClassifier(algorithm='SAMME.R', base\_estimator=None,

learning\_rate=1.0, n\_estimators=50, random\_state=None)

Accuracy: 0.81164 Precision: 0.31320 Recall: 0.26700 F1: 0.28826 F2: 0.27512

Total predictions: 14000 True positives: 534 False positives: 1171 False negatives: 1466 True negatives: 10829

RandomForestClassifier(bootstrap=True, class\_weight=None, criterion='gini',

max\_depth=None, max\_features='auto', max\_leaf\_nodes=None,

min\_samples\_leaf=1, min\_samples\_split=2,

min\_weight\_fraction\_leaf=0.0, n\_estimators=10, n\_jobs=1,

oob\_score=False, random\_state=None, verbose=0,

warm\_start=False)

Accuracy: 0.85064 Precision: 0.43759 Recall: 0.15950 F1: 0.23379 F2: 0.18272

Total predictions: 14000 True positives: 319 False positives: 410 False negatives: 1681 True negatives: 11590

Got a divide by zero when trying out: SVC(C=1.0, cache\_size=200, class\_weight=None, coef0=0.0,

decision\_function\_shape=None, degree=3, gamma='auto', kernel='rbf',

max\_iter=-1, probability=False, random\_state=None, shrinking=True,

tol=0.001, verbose=False)

Precision or recall may be undefined due to a lack of true positive predicitons.