

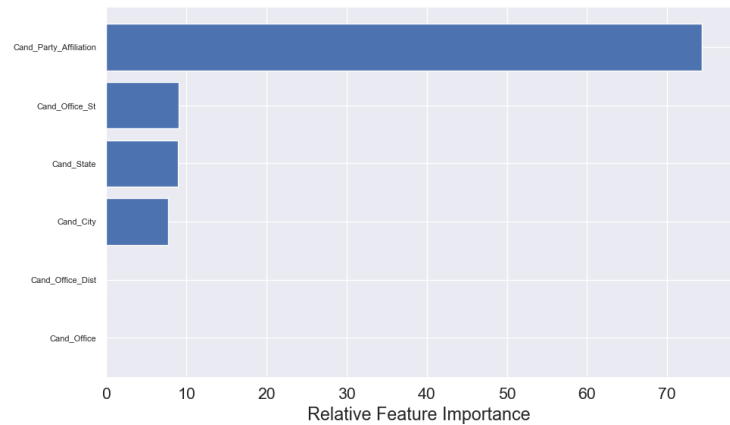
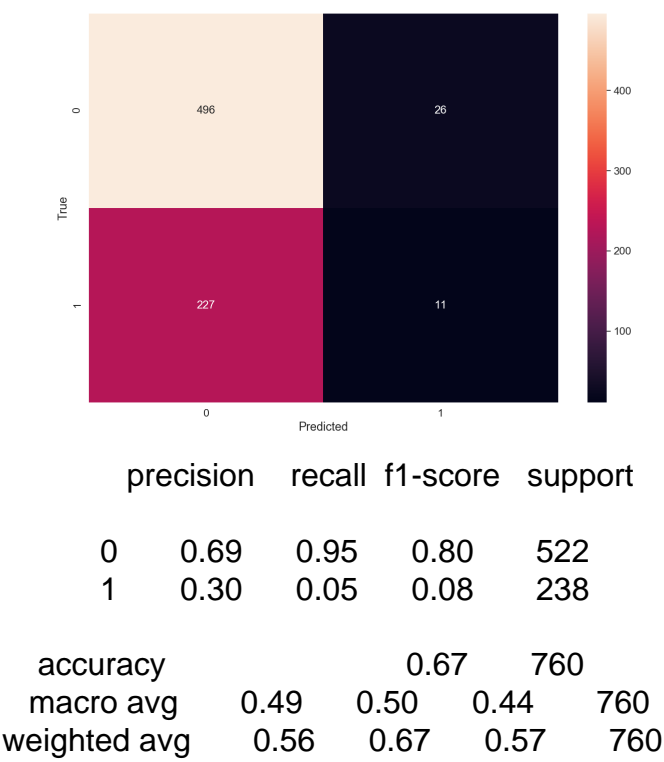
donation columns: ['funding1', 'fund2', 'donations3', 'gifts4', 'donat5', 'transac6', 'grants7', 'money8', 'gift9', 'gift10', 'funding11', 'donations12', 'donations13']

Positive sample count: 1187 and Negative sample count: 2613

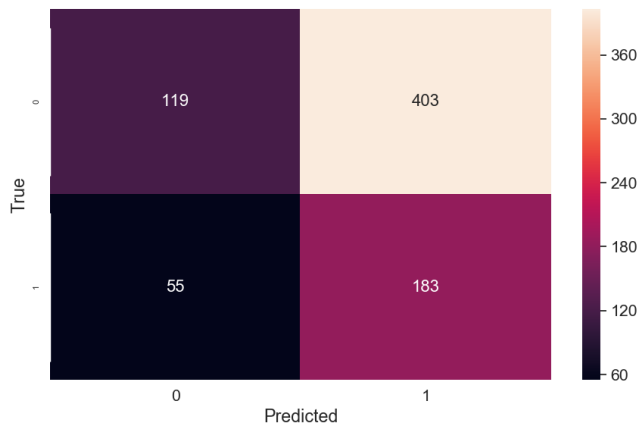
Total training samples: 3800

Categorical columns: ['Cand_Office']

Classifier: LogisticRegression, f1-score 0.57 and time(seconds): 0.346



Classifier: GaussianNB, f1-score 0.37 and time(seconds): 0.18

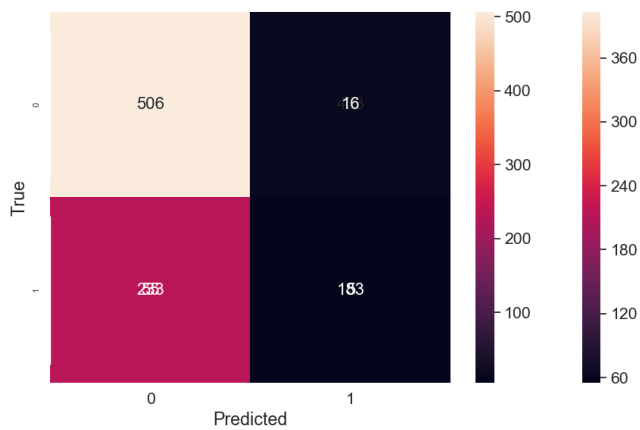


precision recall f1-score support

0	0.68	0.23	0.34	522
1	0.31	0.77	0.44	238

accuracy		0.40	760	
macro avg	0.50	0.50	0.39	760
weighted avg	0.57	0.40	0.37	760

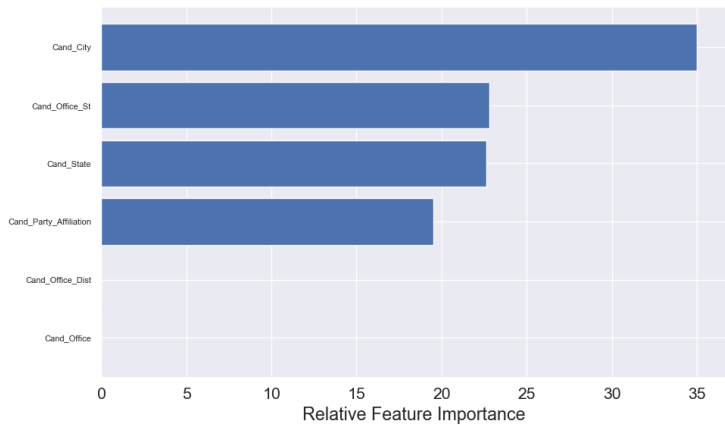
Classifier: MultinomialNB, f1-score 0.56 and time(seconds): 0.018



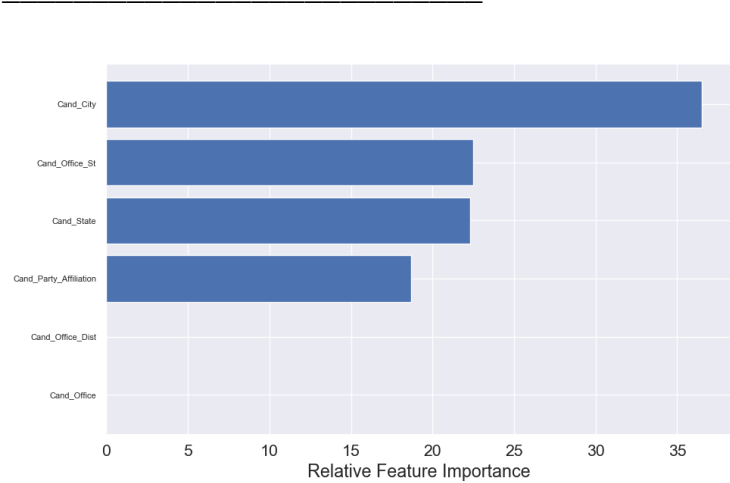
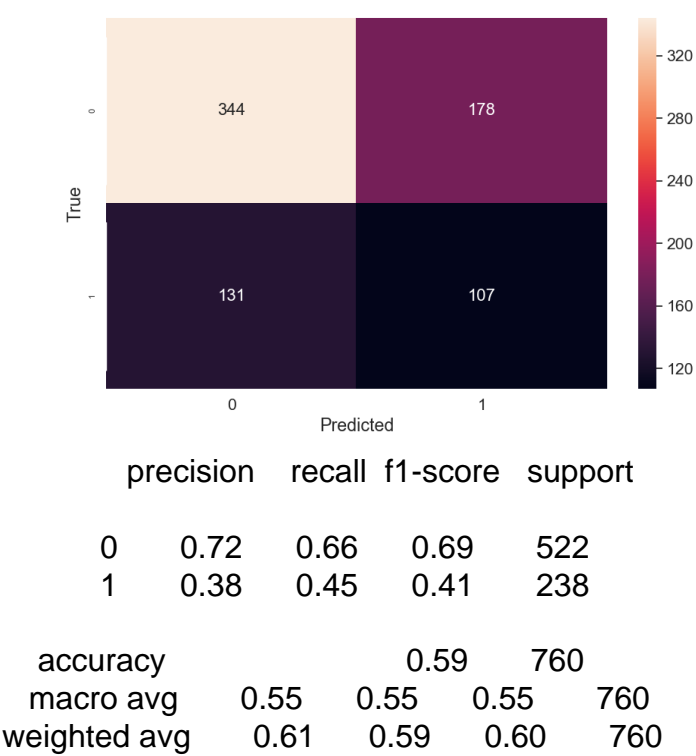
precision recall f1-score support

0	0.68	0.97	0.80	522
1	0.24	0.02	0.04	238

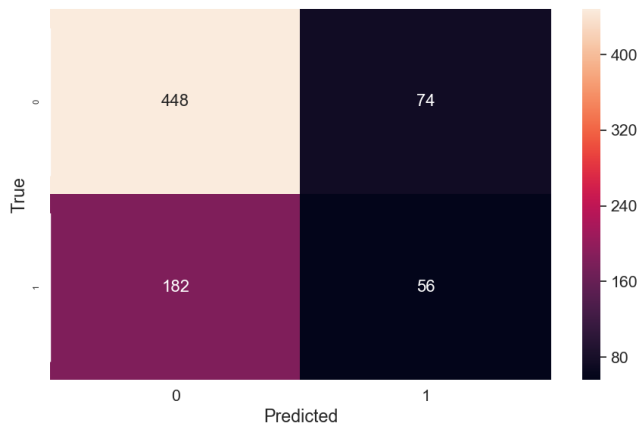
accuracy		0.67	760	
macro avg	0.46	0.50	0.42	760
weighted avg	0.54	0.67	0.56	760



Classifier: ComplementNB, f1-score 0.6 and time(seconds): 0.02



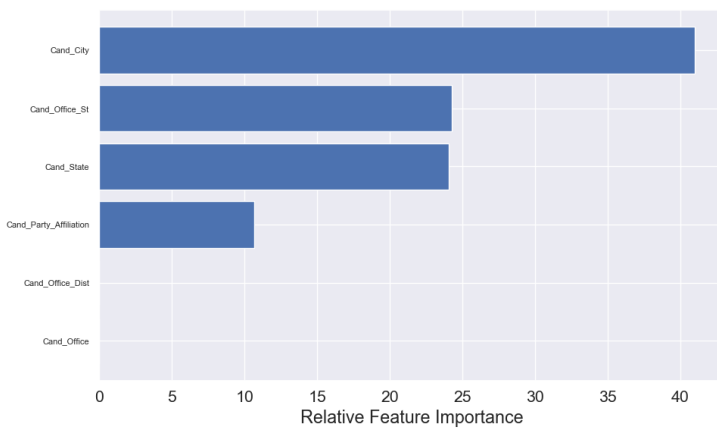
Classifier: BernoulliNB, f1-score 0.63 and time(seconds): 0.184



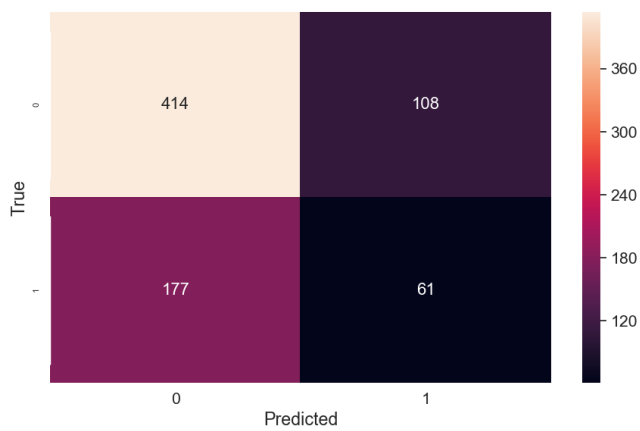
precision recall f1-score support

0	0.71	0.86	0.78	522
1	0.43	0.24	0.30	238

accuracy	0.66			760
macro avg	0.57	0.55	0.54	760
weighted avg	0.62	0.66	0.63	760



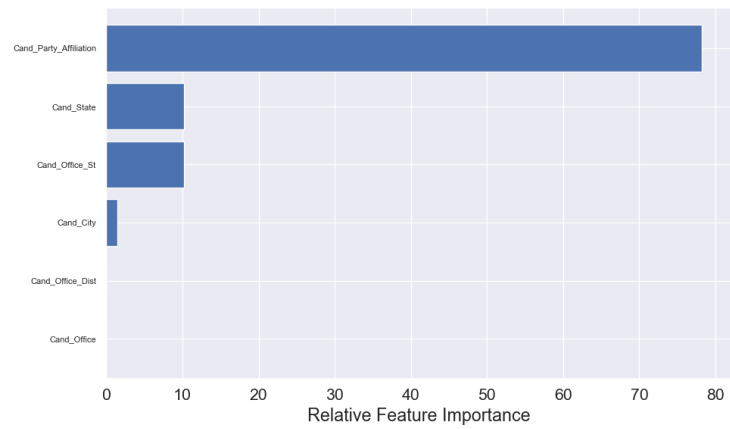
Classifier: DecisionTreeClassifier, f1-score 0.6 and time(seconds): 0.64



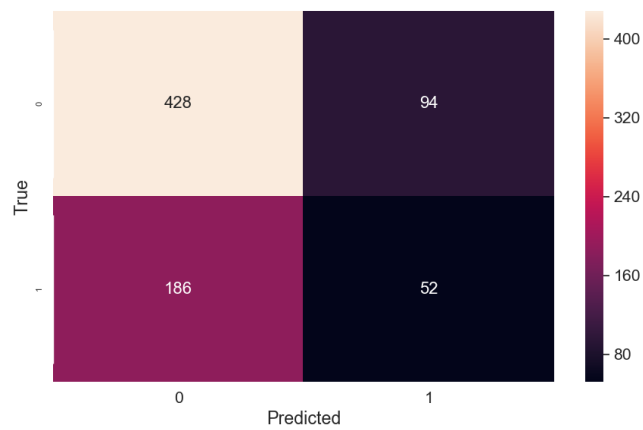
precision recall f1-score support

0	0.70	0.79	0.74	522
1	0.36	0.26	0.30	238

accuracy		0.62	760	
macro avg	0.53	0.52	0.52	760
weighted avg	0.59	0.62	0.60	760

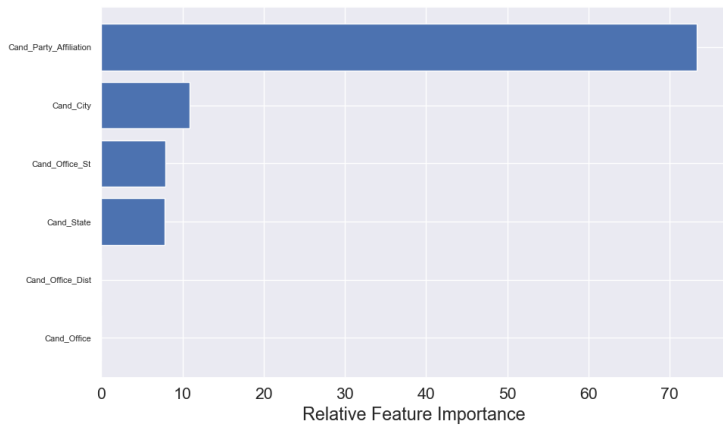


Classifier: SGDClassifier, f1-score 0.6 and time(seconds): 0.265

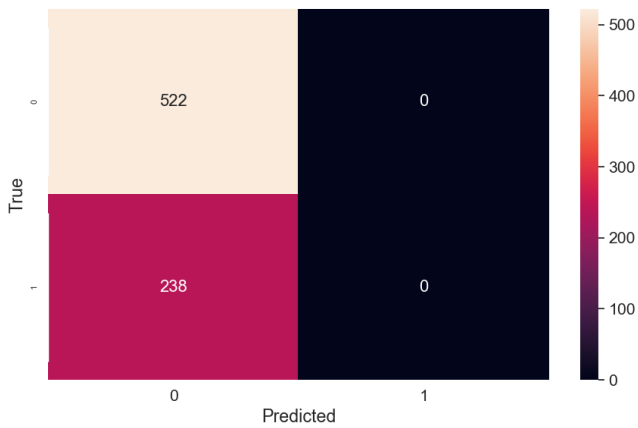


	precision	recall	f1-score	support
0	0.70	0.82	0.75	522
1	0.36	0.22	0.27	238

accuracy		0.63	760	
macro avg	0.53	0.52	0.51	760
weighted avg	0.59	0.63	0.60	760



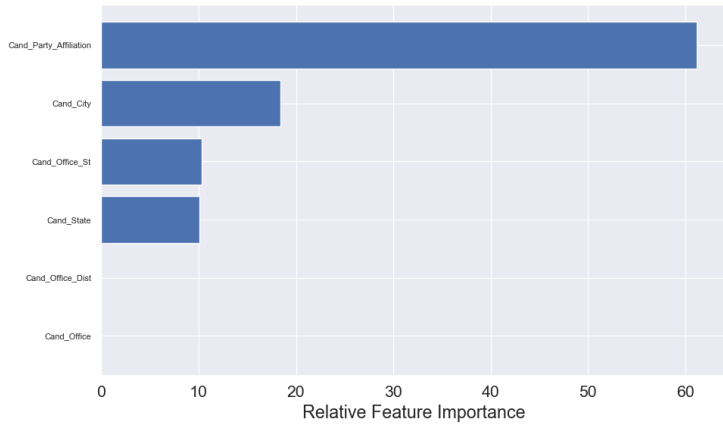
Classifier: PassiveAggressiveClassifier, f1-score 0.56 and time(seconds): 0.72



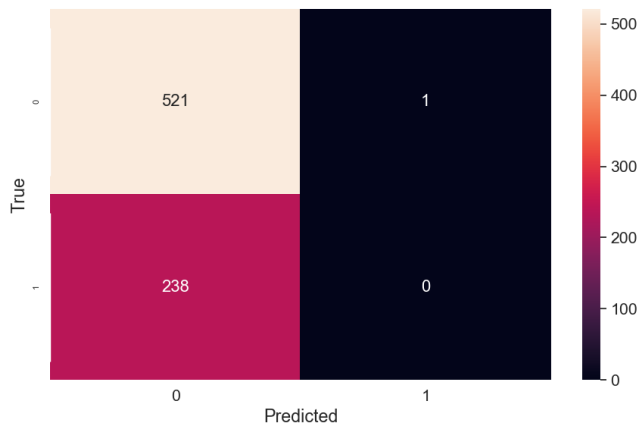
precision recall f1-score support

0	0.69	1.00	0.81	522
1	0.00	0.00	0.00	238

accuracy		0.69	760
macro avg	0.34	0.50	0.41
weighted avg	0.47	0.69	0.56



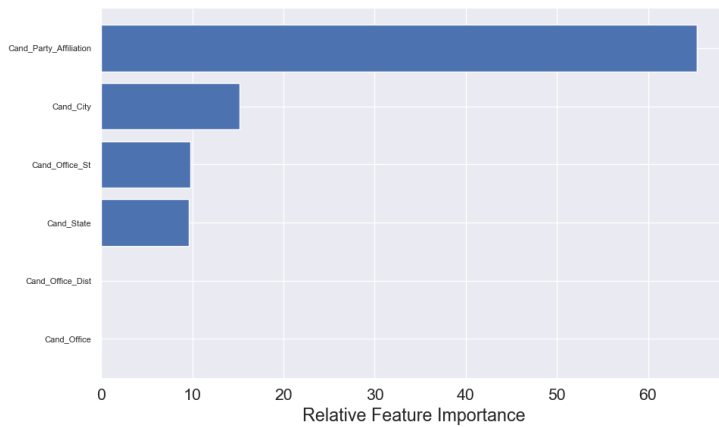
Classifier: LinearSVC, f1-score 0.56 and time(seconds): 0.099



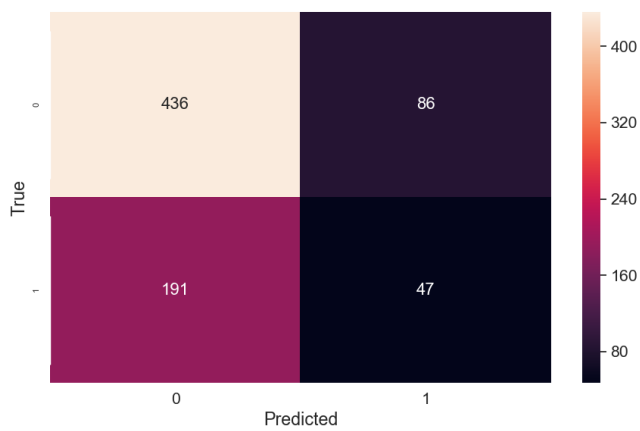
precision recall f1-score support

0	0.69	1.00	0.81	522
1	0.00	0.00	0.00	238

accuracy			0.69	760
macro avg	0.34	0.50	0.41	760
weighted avg	0.47	0.69	0.56	760



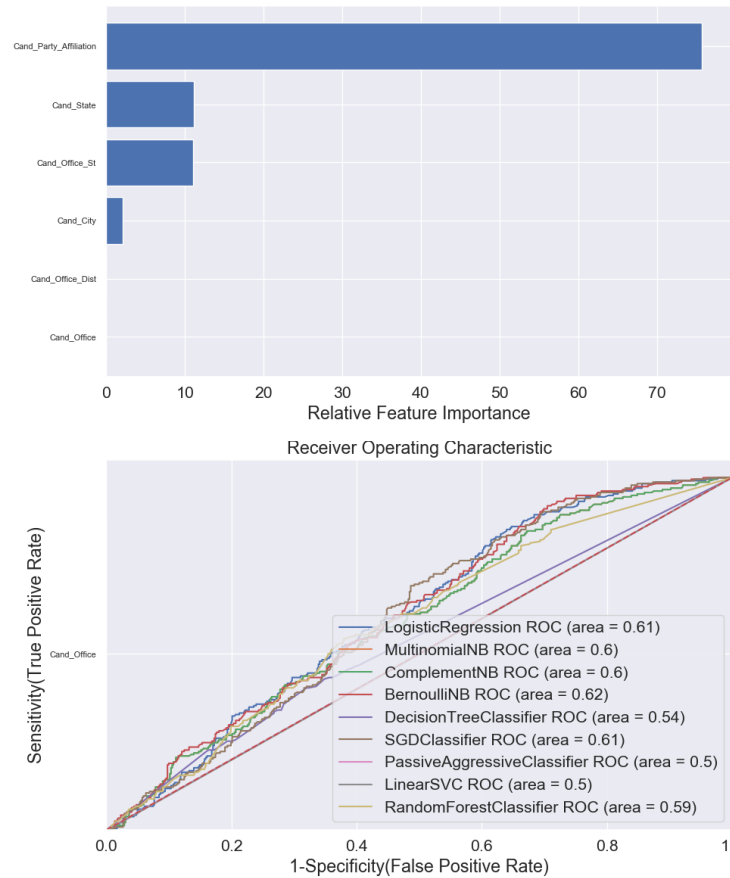
Classifier: RandomForestClassifier, f1-score 0.6 and time(seconds): 0.307



precision recall f1-score support

0	0.70	0.84	0.76	522
1	0.35	0.20	0.25	238

accuracy		0.64	760	
macro avg	0.52	0.52	0.51	760
weighted avg	0.59	0.64	0.60	760



```

1 2315
0 1485
Name: 2020_BernoulliNB, dtype: int64

1 2014
0 1786
Name: 2020_ComplementNB, dtype: int64

0 2475
1 1325
Name: 2020_DecisionTreeClassifier, dtype: int64

0 2007
1 1793
Name: 2020_SGDClassifier, dtype: int64

0 2412
1 1388
Name: 2020_RandomForestClassifier, dtype: int64

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