

### Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.11333
KNeighborsClassifier	n_neighbors=3	0
KNeighborsClassifier	n_neighbors=5	0
SVC (Best result)	C=100000, kernel=rbf, Gamma=auto	0.408369

### Phase 2 best results

Best result for KNeighborsClassifier

PCA parameters	n_components=512
KNeighborsClassifier parameters	n_neighbors=1
Mean F1	0.134310134

Best result for SVC

PCA parameters	n_components=1024
SVC parameters	C=1.0, kernel=linear, Gamma = auto
Mean F1	0.50536821