

Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.163170163
KNeighborsClassifier	n_neighbors=3	0
KNeighborsClassifier	n_neighbors=5	0
SVC (Best result)	C=2000, kernel=rbf, gamma=0.0001	0.479401709

Phase 2 best results

Best result for KNeighborsClassifier

PCA parameters n_components=55

KNeighborsClassifier parameters n_neighbors=1

Mean F1 0.271111111

Best result for SVC

PCA parameters n_components=370

SVC parameters C=2000, kernel='rbf', gamma=0.0001

Mean F1 0.487482662