

Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.126754083
KNeighborsClassifier	n_neighbors=3	0
KNeighborsClassifier	n_neighbors=5	0
SVC (Best result)	C=1000, Kernel=rbf, Gamma=0.0001	0.543022774

Phase 2 best results

Best result for KNeighborsClassifier	
PCA parameters	n_components=250, whiten=False, svd_solver='full'
KNeighborsClassifier parameters	n_neighbors=1
Mean F1	0.205467373

Best result for SVC

PCA parameters	n_components=1752, whiten=False, svd_solver='auto', random_state=5
SVC parameters	C=150.0, gamma=0.0001, kernel='rbf'
Mean F1	0.562509953