

Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.14594
KNeighborsClassifier	n_neighbors=3	0.06153
KNeighborsClassifier	n_neighbors=5	0.02149
SVC (Best result)	C=100000, kernel=rbf, Gamma=auto	0.647633

Phase 2 best results

Best result for KNeighborsClassifier

PCA parameters	n_components=512	
KNeighborsClassifier parameters	n_neighbors=1	
Mean F1		0.1465935

Best result for SVC

PCA parameters	n_components=1024	
SVC parameters	C=1.0, kernel=linear, Gamma = auto	
Mean F1		0.51976755