Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.211904762
KNeighborsClassifier	n_neighbors=3	0
KNeighborsClassifier	n_neighbors=5	0
SVC (Best result)	C=1,kernel= 'linear'	0.481481481

Phase 2 best results

Best result for KNeighborsClassifier

PCA parameters	n_components=57
KNeighborsClassifier parameters	n_neighbours =1
Mean F1	0.244227994

Best result for SVC

PCA parameters	n_components= 1600
SVC parameters	C=10,kernel='poly',degree=5,coef0=5
Mean F1	0.496133496