The offline testing results using cross validation with cv=10 and RAW EMG DATA

Number of samples = 1595

training time for linear svc : 586.32888 s

Accuracy: 0.36 (+/- 0.05)

training time for SVC OVO: 12.63328 s

Accuracy: 0.70 (+/- 0.05)

training time for SVC ovr: 12.81657 s

Accuracy: 0.70 (+/- 0.05)

training time for KNeighborsClassifier: 13.24841 s

Accuracy: 0.70 (+/- 0.05)

training time for Forests of randomized tree classfier: 0.69867 s

Accuracy: 0.95 (+/- 0.02)

training time for Decision tree classfier: 0.23107 s

Accuracy: 0.91 (+/- 0.03)

training time for Random forest classfier: 0.59614 s

Accuracy: 0.94 (+/- 0.03)

training time for ExtraTreesClassifier: 0.55601 s

Accuracy: 0.94 (+/- 0.04)

training time for GradientBoostingClassfier: 8.96987 s

Accuracy: 0.95 (+/- 0.03)

training time for Naive bayes Gaussian : 0.10804 s

Accuracy: 0.96 (+/- 0.02)

training time for Naive bayes BernoulliNB : 1.70969 s

Accuracy: 0.54 (+/- 0.04)

training time for MLPClassifier : 8.02229 s

Accuracy: 0.76 (+/- 0.06)

training time for NearestCentroid : 0.11395 s

Accuracy: 0.36 (+/- 0.05)

training time for QuadraticDiscriminantAnalysis : 0.16627 s

Accuracy: 0.97 (+/- 0.02)

training time for NuSVC : 24.06901 s

Accuracy: 0.68 (+/- 0.07)

training time for PassiveAggressiveClassifier : 0.27286 s

Accuracy: 0.39 (+/- 0.04)

training time for SGD classfier : 0.38277 s

Accuracy: 0.26 (+/- 0.09)

training time for linear_model.SGDClassifier : 0.22989 s

Accuracy: 0.30 (+/- 0.12)