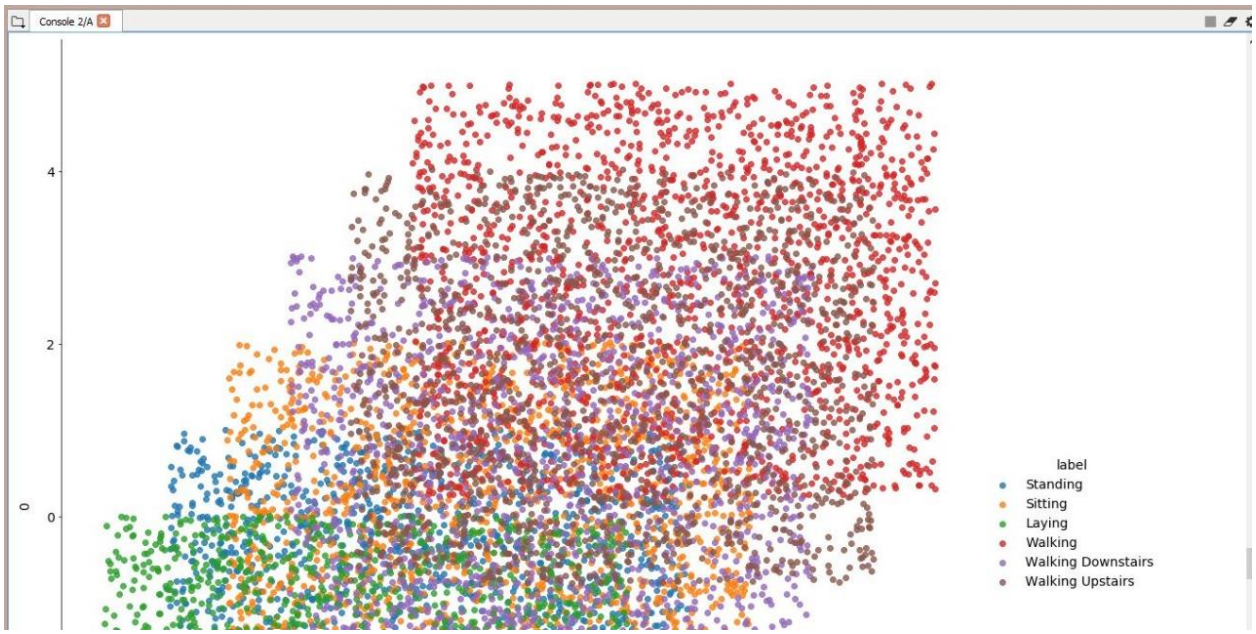
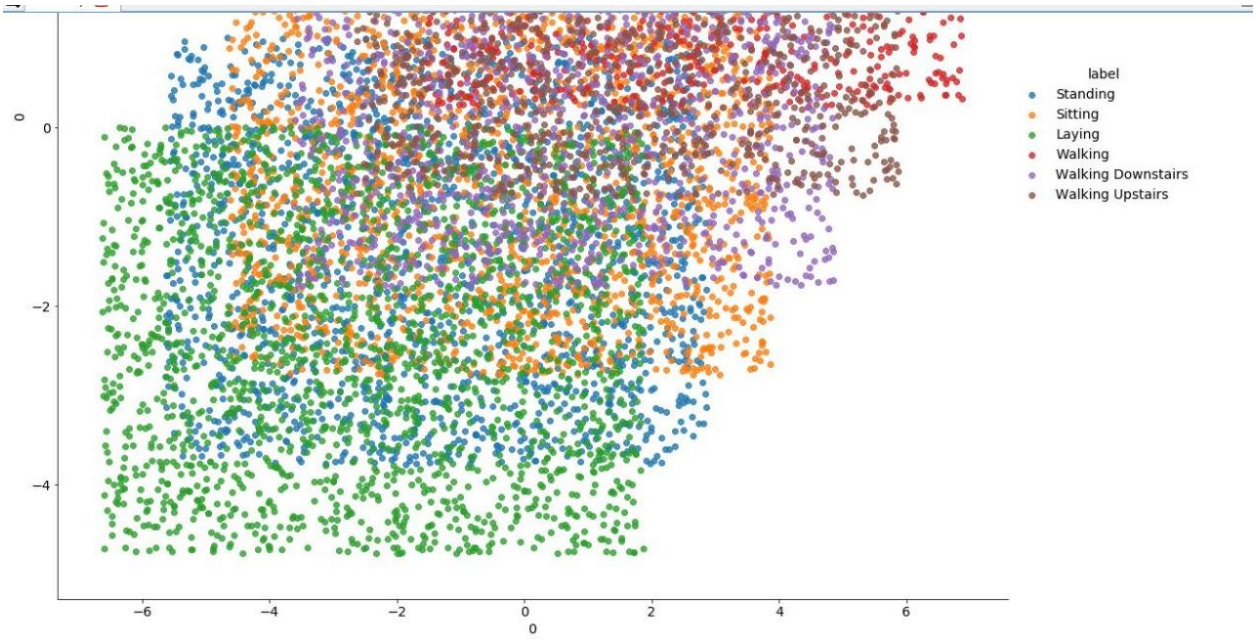
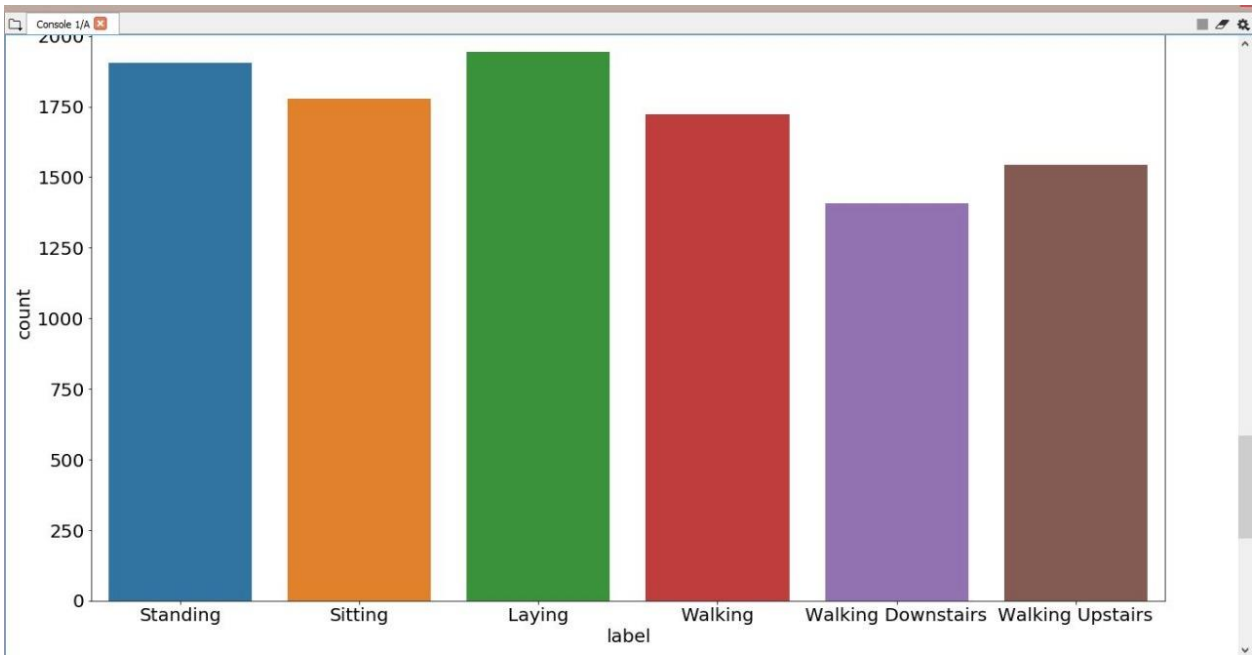
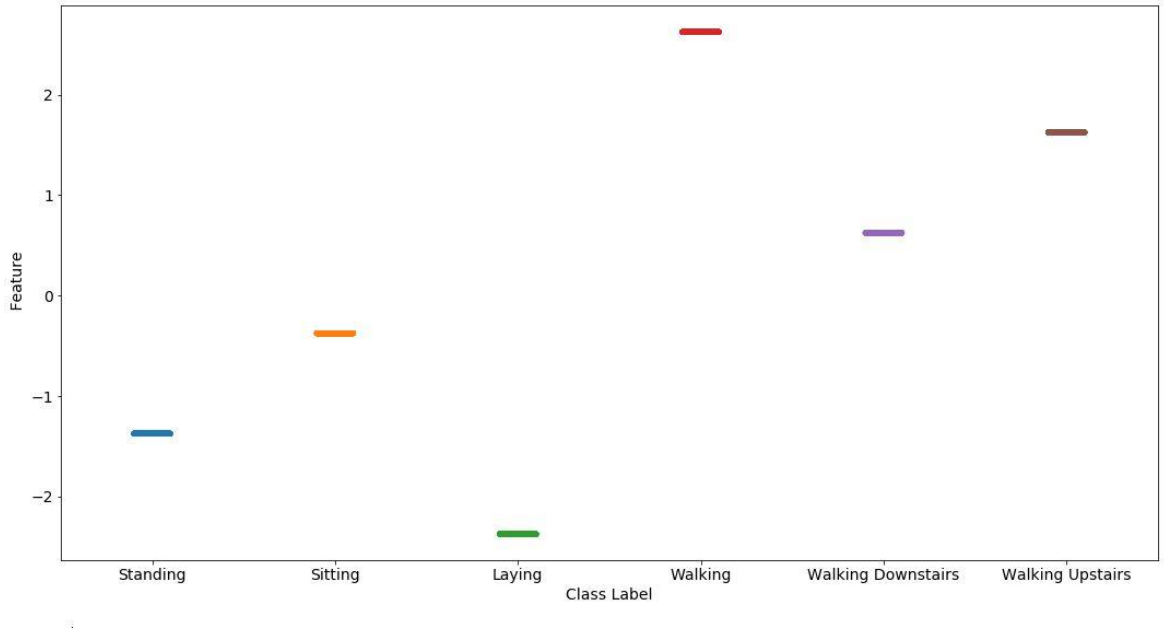
OUTPUT 1


Console 2/A
4
2
0
0
label
Standing
Sitting
Laying
Walking
Walking Downstairs
Walking Upstairs


0
0
−2
−4
−6
−4
−2
0
2
4
6
0
label
Standing
Sitting
Laying
Walking
Walking Downstairs
Walking Upstairs


Console 1/A
2000
1750
1500
1250
1000
750
500
250
0
count
Standing
Sitting
Laying
Walking
Walking Downstairs
Walking Upstairs
label


2
1
0
−1
−2
Feature
Standing
Sitting
Laying
Walking
Walking Downstairs
Walking Upstairs
Class Label

OUTPUT 2

Console 1/A

```
    ...: model=GridSearchCV(classifier,parameters,n_jobs=-1,cv=4,verbose=4)
    ...: str(model.fit(Ytrain.as_matrix(),Ytrain.as_matrix().ravel().T))
    ...:
    ...:
    ...: from sklearn.metrics import accuracy_score
    ...: ypred=model.predict(Ytest)
    ...: accuracy=accuracy_score(Ytest,ypred)
    ...:
    ...: print ('Best Parameters ')
    ...: str(model.best_params_)
    ...: print ('Accuracy Score: ')
    ...: str(accuracy*100) + ' %'
__main__:22: FutureWarning: Method .as_matrix will be removed in a future version. Use .values instead.
[Parallel(n_jobs=-1)]: Using backend LokyBackend with 4 concurrent workers.
Fitting 4 folds for each of 12 candidates, totalling 48 fits
[Parallel(n_jobs=-1)]: Done  17 tasks      | elapsed:    4.6s
[Parallel(n_jobs=-1)]: Done  41 out of  48 | elapsed:    4.8s remaining:    0.7s
[Parallel(n_jobs=-1)]: Done  48 out of  48 | elapsed:    4.9s finished
Best Parameters
Accuracy Score:
Out[54]: '100.0 %'
```