

HW1:

Deadline: 30 Azar

Upload the code and the report (pdf) in a rar file

Use

- Decision tree
- Random Forest
- XGBoost
- SVM

methods for classification of the data in the below link:

<https://archive.ics.uci.edu/ml/datasets/Activity+recognition+using+wearable+physiological+measurements>

Report all the details of your modeling and also Confusion matrix, Accuracy, Precision, Recall and f-measure for the best result. Use 5-fold cross validation and finally report the average values of the mentioned measures.

Compare your results with the results of the published paper (in a table format) .

Method	Value of parameters	Accuracy	Precision	Recall	f-measure
Decision tree					
Random Forest					
XGBoost					
SVM					