

EE6550 Machine Learning, Spring 2016

Homework Assignment #3 User Manual

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1. Parameters (can be found in the top of main program):
 - nCross : in n-fold cross validation, nCross = n.
 - TChoice : choices of T while doing cross validation. The vector is defaulted to 5~20.
 - whichData : 1 for adult, 2 for iris_set_ver
2. You can either run the entire process of cross validation with main routine program or merely use precomputed hypotheses to test performance on testing data, which can be done typing following command in command window.

```
>> load adult_testing
>> x_test = adult_testing(:,1:end-1);
>> y_test = adult_testing(:,end);
>> load precomputed-hypothesis.mat
>> y_predict = adaBoost_predict(x_test,bestAlpha,bestH,threshold);
>> fprintf('Accuracy=%.3f%%\n',sum(y_predict==y_test)/length(y_test)*100);
```

, where precomputed-hypothesis.mat can be n5.mat, n10.mat, n5_entireDataSet.mat, n10_entireDataSet.mat