Module 14: Model Selection and Boosting

Case Study

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Case Study

Questions:

1.The data file contains numerical attributes that describe a letter and its corresponding class. Read the datafile "letterCG.data" and set all the numerical attributes as features. Split the data in to train and test sets.

2. Fit a sequence of AdaBoostClassifier with varying number of weak learners ranging from 1 to 16, keeping the max_depth as 1. Plot the accuracy on test set against the number of weak learners. Use decision tree classifier as the base classifier.

3.Repeat step2 with max_depth set as 2.

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