

# Documentation : How to use code

For training and testing the following inputs can be given as suggested in the lab:

Training to be done before and use the hypothesisOut object to predict.

## 1. train <examples> <hypothesisOut> <learning-type>

- takes 4 arguments as given above in the commandline
- train as string to be passed so that the program knows that training is to be done
- examples is the file with data used for training is provided
- hypothesisOut is the output file or the serialized object file
- learning type is dt for decision tree and ada for adaboost

## 2. predict <hypothesis> <file>

- takes 3 arguments in the command line
- predict is passed as string for the program to know that prediction to be performed
- hypothesis is the model generated which is the object that is used to predict the samples
- file is the test data given