

Homework 1: due Oct 15th, 11:59 pm

Write a program *predict(TS, QS): OUT* ;

TS, QS, and OUT are text files where

1. TS contains lines of  $n+1$  integers separated by commas
2. QS contains lines of  $n$  integers and a "?" in the last position
3. OUT contains lines of  $n+1$  integers

The idea is that you make up a prediction/learning algorithm that decides what integer to choose to substitute for the "?" for each sample in the QS, given the feature values in the sample and the information in the TS. Any algorithm you implement is fine, even a random choice... The homework is intended to make you think about the problem on your own without prior bias ... and to start building a general learning system. You will have the opportunity to make your program more reasonable and general in subsequent homework steps...

Hand by email with obj ML Homework 1 a zip file YourFisrtName.YourLastName.ML.HW1.zip containing your implementation code files, a brief pdf with the description of the algorithm you decided to implement, and