ML Handin 17-9

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1 Report for Hand in for Lecture 3 - Parametric and nonparametric methods

The code is separated into four main parts. The first part contains the loading of all the required data, as well as some functions to be used in the other parts. The other 3 parts are the individual assignments: a, b c, respectively.

For assignment a), an accuracy of 93.44% was achieved. This was done by computing the prior probabilities from the training data set.

For assignment b), an accuracy of 88.66% was achieved. A uniform prior of 0.5 was used.

For assignment c), an accuracy of 98.65% was achieved. The priors were given as x=0.9 and y=0.1. Comparing the two, it is clear that the prior probability given in assignment c) is a closer representation of the given data set,

tst_xy_126.txt

than the uniform prior.