ML Written Assignment 4

Sam Coxon

November 20, 2016

1. (a) See additional pdf

   (b) Intuitively the best boundaries seem to be the decision tree boundaries and the logistic regression boundary. Even though logistic regression can often lead to overfitting, perhaps combining it with the possible multiple decision tree boundaries, thus taking advantage of the flexibility of decision tree boundaries while also gaining the smoothness of the logistic boundary.

2. See additional pdf