CSCI 4380/6380 Data Mining

Assignment Number 5: Due 11/16/2017 (in class)

1. [25 points] Short answers please

   (a) Give a major difference between lift charts and ROC curves.

   (b) Give one advantage to using the mean absolute error instead of the root mean squared error for performance evaluation.

   (c) Give one advantage to using the relative absolute error instead of the mean absolute error for performance evaluation.

2. [25 points] Short answers please

   (a) Give two major differences between Kernel Ridge regression and Support Vector Machines.

   (b) Why is over-fitting less likely to happen using support vector machines than many other methods?

   (c) Give two ways to speed up back-propagation learning of neural networks.