Assignment - 1

Instructor: Dr. Arabin Kumar Dey

1 Notes:

- The assignment will be discussed in Friday's tutorial class.

- Each student needs to make his/ her own solutions, even though discussions of the assignments between students are encouraged.

2 Assignments:

1. Import the following datasets

   (a) Boston Housing dataset (`https://www.cs.toronto.edu/~delve/data/boston/bostonDetail.html`),

   (b) Diabetes dataset (`https://archive.ics.uci.edu/ml/datasets/diabetes`)

2. Use different regression strategy [MLR, Ridge, Lasso, (k-NN, kernel Cobra) etc] and compare the accuracy based on suitable benchmark.

3. Use cross-validation, cross check if it affects accuracy.

4. Determine Outlier if possible.