Project 2, Regression Analysis

You can do any one of the projects described below.

1. I am attaching a paper based on bootstrapping in simple regression. Find the confidence intervals of the regression parameters using bootstrap, for both model based bootstrap regression and cases bootstrap regression. You should create similar tables as Tables 1-3 and Figures 1-2 for your simulated data sets under both the different types of regression.

2. Refer to the data set attached. Y is to be predicted. Build a model to predict Y. Validate the model/s selected.

3. You can come up with your own data set with at least 12 predictor variables and do a model selection and validation on that data set.