Report File for Hw1 Set 1

Are you satisfied that you have found the best solution? Explain.

I am satisfied that I found the best solution because the mean squared error calculated in the models for both the training and testing data proved to be close to 0 in value, thus proving the prediction was highly accurate. Not only were both the MSE’s for the training and testing data close to 0, they were both close in value to each other. Lastly, the r squared values for both the training and testing data were equivalent to 1, proving that the regression predictions would perfectly fit both the training and testing data.

Are you satisfied that the package has found the best solution? How can you check? Explain.

I am satisified that the package has found the best solution, given that the r squared value indicated by the models were calculated as 1, which indicates that the regression predictions perfectly fit both the training and testing data as shown in a screenshot of the code provided below.









