

This homework assignment focuses on Linear Models, Model Inference and Interpretation. You will provide a written analysis based on the following information:

- First, load the file M01_quasi_twitter.csv (it is online at http://nikbearbrown.com/YouTube/MachineLearning/M01/M01_quasi_twitter.csv). Next, generate a linear model for the following:
 - Two significant linear models of your choosing (Note that you may need to try a few models before finding two significant linear models)
 - A multivariate relation between wage & height, race, age, education, and experience
 - A significant logistic linear model of your choosing
- Finally, answer the following questions:
 1. Is the relationship significant?
 2. Are any model assumptions violated?
 3. Is there any multi-collinearity in multivariate models?
 4. In in multivariate models are predictor variables independent of all the other predictor variables?
 5. In in multivariate models rank the most significant predictor variables and exclude insignificant one from the model.
 6. Does the model make sense? Why or why not?

As a reminder, please provide a written analysis/report as an .Rmd file.