**Week 4, Day 2**

**Multiple Linear Regression**

Body measurements: NHANES-body.csv

* Follow-up: NHANES Part I (the multiple regression model)
  + What transformations/alterations did you make?
  + Are these *practically* significant effects?
  + Interpreting slopes and tests for individual predictors in a model with multiple predictors
  + Interpreting when log(Y) or log(X): <https://data.library.virginia.edu/interpreting-log-transformations-in-a-linear-model/>
* NHANES Part II – the multiple regression model with interaction

**For Tuesday:**

* Complete & submit NHANES Part II (one per pair)
* Read Sections 3.6 & 4.4, and watch lecture videos “Ch 3 – nested F test” and “Ch 3 – VIF”