

1. The coefficient estimates and their standard errors
 - Standard error
 - Confidence intervals for coefficients
 - Hypothesis tests on the coefficients
2. Regression residuals as a diagnostic
3. Estimating the earnings equation in semilog form
 - Interpretation of coefficients
 - Comparing residual plots with linear model
4. Multiple regression
 - Importance of controlling for additional factors
 - Interpretation of coefficients
 - Dummy variables and interactions
5. Regression problems and pitfalls: diagnosis and treatment
 - Bias in estimated coefficients: Meaning, sources, and treatment
 - Problems affecting standard errors of coefficients

Reading for next time: *Notes on Labor Economics*, chapter 5.

Homework #5: Due Thursday, October 18. From Data Analysis Project #1, do **Part 2**. Please make sure to hand in a final version of this with your completed project (make a copy if you need to).