

For Tuesday:

Topic:	Assumptions and Inference of multiple linear regression
Text:	Chapter 5

Exercises:

1. IQ scores and Income. Continuing studying of IQ scores. In the data set is a listing from the National Longitudinal Study of Youth (NLSY79) with annual income in 2005 (in U.S. dollars, as recorded in a 2006 interview) and scores on the Word Knowledge, Paragraph Comprehension, Arithmetic Reasoning, and Mathematics Knowledge portions of the Armed Forces Vocational Test, which is based on a linear combination of the four components and which is sometimes used as a general intelligence test score. In this exercise we will consider the dependence of 2005 income with AFQT score. First study if or how well the AFQT score predicts the 2005 income. However, a much more interesting question is whether there might be some better linear combination of the four components than AFQT for predicting income. Investigate this by seeing whether the component scores are useful predictors of "Income2006" in addition to AFQT. Also see whether AFQT is a predictor in addition to the four test scores. Which test scores seem to be the most important predictors of 2005 income?

For Thursday:

Topic:	Design principles for presenting graphs and figures
Text:	-

Exercise

1. Continue work on the project