**Lab Assignment #2**

Due 1 week after your second lab session

Answer the following questions using the Wages and Hours dataset and the Wages and Hours Codebook.

For each question, provide your code and the answer.

1. How many variables are included in the *Wages and Hours* dataset?
2. How many observations (or rows) are included in the *Wages and Hours* dataset?
3. What is the correlation between the average highest grade of school completed and average hours worked during the year? Is this association significant?
   1. Interpret the correlation coefficient
4. Produce a plot of the average highest grade of school completed (x) and average hours worked during the year (y). Be sure to include a smoothing line.
5. Estimate a simple linear regression model where average hours worked during the year (y) is regressed on the highest grade of school completed (x).
   1. Include a copy of the model summary. (You do not need to interpret the model output.)