**Introduction to Stata**

**Practice exercise 2**

* Using the NLSW88 data set, show how wages and hours vary by industry. Plot a bar chart of mean wages and hours by industry.
* Graphically explore the distribution of hourly wages. Does the distribution differ by race? Explain.
* Graphically explore the relationship between education (measured with variable grade) and wages. What is the best functional form for line that fits this relationship? Explain.
* Create a good-looking graph: scatter wage against work experience and their linear or quadratic fit (choose the one you think is more appropriate), and plot this graph by the variable collgrad. Add a main and y-axis titles, make the color of dots black and the color of fitted lines orange. Make sure that the text in legend is informative, and save the final figure in .pdf format.
* Create two different graphs, one a horizontal bar chart for mean wage across different races, and another one as a box-plot for wage by marital status. Combine these two graphs together.