

Homework #5

Due 8am EST Wednesday Nov 4, 2015

Econ B2000, MA Econometrics

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Each student should submit a separate assignment, even if it is an identical computer file to the rest of your study group. When submitting assignments, please include your name and the assignment number as part of the filename. Please write the names of your study group members at the beginning of your homework.

1. What are the names of the people in your study group?
2. Each person in the group should find 2 academic articles related to your current choice of final project. Write a short paragraph on each, concentrating on what data is used (and whether it is accessible), what econometric techniques, and what questions are addressed.
3. Using the CPS data, construct some interesting regressions on wage and salary (you might use the same subgroup as I did or you might change it up). Estimate a linear, quadratic, cubic and quartic specification of age on log wage. Next some interactions (your choice, try some interesting ones – you have data on gender, race, ethnicity, education, marital status, union, veteran, immigrant, detailed industry and occupation, state [GESTCEN], even metro area [GTCBSA]). **Don't just give me raw output!** Make a nice table, like in Stock and Watson (e.g. Chapter 9, Table 9.2). Make nice output graphs and tests of groups of coefficients like I showed in class.
4. (optional, if you really want to impress) Can you do as we discussed in class, estimate on some fraction of the data then assess fit on the other part? Repeat N times and see how your results hold up to statistical tests done previously.