

Homework #1

Due 8am EST Wednesday Sept 9, 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. Work on the stats review – you must complete the diagnostic test by end of the day Tuesday Sept 22.
3. *this is due Tuesday before class* "Adjust" the dice I gave out to you, by sanding, heating, drilling, gluing, squeezing or whatever*. Can you get them to roll a 6 more often than would be expected? How would you know – what is "more often"? Can you write some code in R that will simulate a fair roll? Bring the dice to class, we'll have a tournament.
4. Open up R (in the lab here on campus or if you're working on a home computer, download and install it). Replicate the commands given in the lecture notes to do some simple stats on the PUMS data. Tell me something interesting, that you learned from the PUMS data, for example about educational attainments in different neighborhoods in the city. Are there surprises for you?

* *The dice example is from Andrew Gelman's book on Teaching Stats.*