

**Assignment #1 — Due Friday, September 10, 2010, by 4:00 P.M.**

Turn in homework to your TA's mailbox using this sheet as the cover page.

Fill in your name and also circle the *lecture section in which you are registered* and circle the *discussion section you expect to attend* to pick up this assignment.

**Name:**

**Lecture 1 (Larget).**      **311:** Tu 1:00 - 2:15pm      **312:** Th 8:00 - 9:15am      **313:** We 1:00 - 2:15pm

**Lecture 2 (Hanlon).**      **321:** Tu 1:00 - 2:15pm      **322:** We 2:30 - 3:45pm      **323:** We 1:00 - 2:15pm

Please answer the following questions.

1. Find a paper in your field which studies a sample involving several ( $> 3$ ) variables for each observational unit. Provide a citation and the full abstract for this paper.
  2. (Classification of Data). Classify each variable in the data set, using the distinctions: numerical vs. categorical, experimental vs. observational, and response vs. explanatory.
  3. (Populations and Samples). What is the target population in this study? Repeat a quote from the article which implies the scope of inference to support your response. Describe how the sample is collected. Is the sample collected a random sample? Why or why not?
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