

36-303: Sampling, Surveys & Society
HW01: Due Tue Jan 31, 2012 by 3:30 on Blackboard

Announcements:

- Please turn in all assignments (homework and project assignments!) using the “Turnitin” tool on Blackboard. *It is best to turn in a single pdf file for each assignment.* You may turn in other formats, but if we cannot read it or figure it out, we won’t grade it.

Reminders:

- Things to do:

Also Due Thu Jan 31: Team Assig. I.1 (two project proposals). See handouts “project-schedule.pdf” and “project-ideas.pdf” on the class website, <http://www.stat.cmu.edu/~brian/303>.
- Things to read:
 - Done already: Groves Ch 1
 - This week: Groves, Ch’s 2 and 3
- Clear, careful writing and interpretation of results is an important part of both weekly homeworks and the projects. *I always expect neatly typed or neatly handwritten work.*
- Always be judicious about including computer output and graphs: show enough that we can clearly see what you are doing, but not so much that we will get lost or bored leafing through your work!
- Remember that most homeworks and project assignments should be submitted as a single pdf using the “Turnitin” tool on Blackboard.

[Exercises begin on next page]

Exercises to Turn In (there are 4 exercises):

1. In class we looked at a short article on the recent Pew survey of Mormons in America. The link to the Pew Research Center reporting website for this survey is
<http://www.pewforum.org/mormons-in-america/>.
 - (a) Fill out, as completely as possible, a table like Tables 1.1–1.6 of the Groves text, for the the Pew survey on Mormons in America. You may need to use links from the page listed above to get the information you need.
 - (b) Please comment on any items in your table that would make it difficult to understand or believe the results of the survey (e.g. you couldn't get the information, or the information you got worries you in some way). *If you are happy with all the information in your table, just say that.*
2. For several years, the American Automobile Association (AAA) has conducted a survey called the Traffic Safety Culture Index. The 2011 report (as well as reports from earlier years) can be found at <http://www.aaafoundation.org/reports>. Re-do question #1(both parts!) for the AAA Traffic Safety Culture Index survey.
3. Groves, Ch 1, p 36, #6. Be sure to name the report you use for this exercise so we can go read the same pdf report that you are reading.
4. Groves, Ch 2, p. 65, #1. Be sure to give separate answers in part (d) for *sampling error* and for *coverage error*.
5. Groves, Ch 2, p. 67, #7.