

STATISTICS 110 AND 201, Fall 2009
STATISTICAL METHODS FOR DATA ANALYSIS I

Lecture: Mon, Wed, 2:00 – 3:20pm, 124 Multipurpose Science and Technology Building
Discussion: Mon, 9:00 – 9:50am, 145 Social Science Laboratory

Instructor: Professor Jessica Utts, Department of Statistics
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Office hours: TBA (For this week only – Thurs, 2-4pm)

Reader: Jie Shen, jshen3@uci.edu
Office hour: Mon and Fri, 11am to noon, 2013 Bren Hall

Textbook: *Applied Linear Regression Models, 4th Edition* by Michael H Kutner, Christopher J. Nachtsheim and John Neter, McGraw-Hill

Website: <http://www.ics.uci.edu/~jutts/110-201> The website has general information and will be updated regularly with homework assignments and other useful information.

Course Goals and material to be covered: The goal of this course is to enhance your data analysis skills as well as your understanding of statistics. Two common areas of statistical analysis will be covered: Regression and Analysis of variance (ANOVA), with more time spent on regression. Emphasis is on applications and understanding, not on theory. A detailed list of topics and resources is available on the class website.

Prerequisite: Knowledge of basic statistics at the level of Statistics 7.

Computing: We are using statistical software called Stata; instruction will be provided. Stata is available in the ICS computer labs - Rooms 183, 189, 192, and 364 in ICS Building 1. To use Stata in these labs you need to set up an account with ICS; instructions for doing so are provided at this link: http://www.ics.uci.edu/~lab/students/acct_activate.php (also linked to the course webpage). You may use other software (such as R, SAS or Minitab) as long as you are able to do the homework assignments. Information on purchasing Stata (if you prefer to do so) is available on the course webpage.

Discussion Sections: Monday discussion sections will be held most (but not all) weeks, and will be used for a variety of purposes including computer instruction, review, and possibly, presentation of new material. Consult the detailed schedule on the course webpage for updated information.

Homework: In general, homework will be assigned at each lecture, and is due weekly, on the Monday after it is assigned. Homework is worth 30% of your grade.

Midterm Exam: Tentative date is **Mon, November 2**; worth 30% of your grade. Open book and notes.

Final Exam: Fri, Dec 11, 1:30-3:30pm, open book and notes, worth 40% of your grade.

110 versus 201: Students enrolled in Statistics 110 will be excused from doing some work that will be required for Statistics 201. More details to follow. Grades will be assigned separately for the two groups.