Selected Topics in Statistics

Instructor: Tamre Cardoso
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Course Website: http://faculty.washington.edu/tamre/stp.shtml

Office Hours: TBA or by appointment (tamre@u.washington.edu; 206-972-0283)

Lectures: T, TH 9:00-10:20 in Sieg 134

Course Objectives: This course will introduce you to some exploratory data analysis techniques as well as the concepts of hypothesis testing. We will emphasize conceptual understanding, while teaching statistical methods that can be used to help you answer your research question(s) for your psychology projects. You will learn to do some calculations by hand and others will be taught using computer software.

Attendance/Class Policies: Attendance and participation, in both lectures and quiz sections, are expected. It is your responsibility to know the course requirements and to be aware of any announcements. Class begins promptly and on time. Arriving late or leaving early is disruptive and should be avoided.

Our role as instructor and TAs is to facilitate your learning. We work under the assumption that you are interested in the subject at some level, and are in this course to learn. It is not our responsibility to give you a good grade, but rather it is up to you to earn your grade. Please ask when you have questions about course material---we will be more than willing to work with you to answer your questions.

Grades: There will be no midterm or final exams. Grades will be based on the two homework assignments (10% each), two quizzes (15% each), and the materials and results sections of your paper/poster (50%). Your final course grade will be CREDIT or NO CREDIT. A student must obtain a score of at least 60% to obtain a grade of CREDIT.

Grading Scale:
> 89% of total possible points = A
> 79-89% = B
> 67-79% = C   The final grade for this class will be CREDIT or NO CREDIT.
> 57-67% = D   A student must obtain a score of at least 60% to obtain a grade
<= 57% = F.   of CREDIT

Tentative Lecture Schedule

Date	*Topic*
Tuesday, July 22	Introduction; Exploratory Data Analysis
Thursday, July 24	Exploratory Data Analysis Continued
Tuesday, July 29	Correlation; Introduction to Hypothesis Testing
Thursday, July 31	Hypothesis Testing for means and proportions
Tuesday, August 5	More hypothesis testing, ANOVA or chi-square
Thursday, August 7	TBD
Tuesday, August 12	Practice Group Presentations
Thursday, August 14	Practice Group Presentations

Tentative Homework Due Dates and Quiz Dates

Homework due dates: Thursday 7/31, Thursday 8/5

Quiz dates: Thursday 8/5 and Thursday 8/14

Outline of Methods and Results sections of paper due in Stat quiz section on 7/31
Draft of Results and Discussions sections of paper Stat quiz section on due on 8/7
Draft of Posters due during IC study hall on 8/10