STAT 381 Syllabus

Spring 2016

January 19, 2016

Title: Applied Statistical Methods I

Textbook: Probability and Statistics for Engineers and Scientists, 9th Ed, by Walpole / Myers / Myers / Ye. ISBN: 9780321629111.
Lecture Room and Hours: Grant Hall 204 MWF 3:00PM -3:50PM
Prerequisite: Grade of C or better in Math 210.
Computational Tools: R, see https://www.r-project.org/.

Instructor: Nicholas Syring Office: SEO 635 E-mail: nsyring2@uic.edu Office Hours: M F, 4:00 PM - 5:00 PM

Course Objectives:

Statistics lies at the center of the scientific method. A solid foundation of statistics is essential for evaluating scientific hypotheses. Our study will focus on the first ten chapters of the course text with additional computational examples using R, a free statistical computing program. We will build upon an introduction to probability towards sampling distributions, estimation, confidence intervals, and tests of hypotheses.

Important dates:

- Last day to drop is January 22. Last day to drop by Withdrawal is March 18.
- Holidays: January 18, March 21–25.
- Midterm: Friday, March 4, (tentatively).
- Final Exam: TBA.

Grading:

Grades will be assigned with the following weights: homework, 25%; quizzes, 10%; midterm, 25%; final exam, 40%. Grades will be no stricter than

 $A \ge 90\%, B \ge 80\%, C \ge 70\%, D \ge 60\%, F < 60\%$

Homework Assignments:

Homework will be assigned on Friday and due the following Friday. Solutions will be posted on my website http://homepages.math.uic.edu/nsyring2/teaching.html on Fridays after homework is collected. No late homework will be accepted. Assignments may be completed collaboratively, but each student must hand in his or her own copy in person in class. Graded assignments will be returned by the following Wednesday.

Policies

- Dont cheat! See the UIC Guidelines for Student Conduct, at http://www.uic.edu/depts/dos/studentconduct.html.
- Concerning disabled students, the University of Illinois at Chicago is committed to maintaining a barrier-free environment so that individuals with disabilities can fully access programs, courses, services, and activities at UIC. Students with disabilities who require accommodations for full access and participation in UIC Programs must be registered with the Disability Resource Center (DRC). Please contact DRC at (312) 413-2183 (voice) or (312) 413- 0123 (TDD).