

Hunter College

Introduction to Applied Statistics

Course Information

Class Information

Meeting days/times: Monday & Wednesday / 4:10 - 5:25 pm

Location: 604 Hunter West

Instructor

Jiangtao Gou, Office 928 Hunter East

Office hours: Tuesday 2:00 - 4:00 pm

E-mail: jiangtao.gou@hunter.cuny.edu

Learning Outcomes

This course emphasizes statistical literacy and develops statistical thinking. Statistical literacy is promoted throughout the text in the many examples and exercises, drawn from published research findings and the popular press. Many of the examples and exercises discussed will highlight the central role of probability and statistics in 21st century science. Students should understand how to adequately interpret and communicate statistical results. Understanding the nature and role of variability is key to developing sound skills in statistical thinking.

Students will be able to describe statistical procedures, explain how to use statistical methods and their limitation, prepare a survey or a data collection plan, diagram and analyze data, persuade and conclude statistically.

Textbook

Introduction to Statistics and Data Analysis, 5th Edition, by Roxy Peck, Chris Olsen, and Jay L. Devore, Cengage Learning

Class key for WebAssign

Self-enrollment: hunter 8348 1619

Homework

Homework will be assigned on a regular basis. We will use WebAssign, an online homework system. You need to buy the access code from WebAssign to access the homework. Students are expected to turn in assignments on time.

Exams

No graded quiz in class. There will be no remake for the midterms and final.

Midterm 1: Monday, March 14 (Midterm 1 Review: March 9)

Midterm 2 (non-cumulative): Monday, May 2 (Midterm 2 Review: April 20)

Final Exam (comprehensive): Wednesday, May 25, 3:00 - 5:00 pm (Final Exam Schedule Spring 2016, Office of the Registrar)

Midterm exams and final exam are **closed book**. Calculators and formula sheets are allowed. You will be allowed to consult two single-sided 8.5" × 11" notes during the midterm exams, and five

single-sided 8.5" × 11" notes during the final exam. For midterm and final exams, I recommend that you prepare sheets of formula ahead so you are able to review all materials. Students may need to have access to a calculator for use on homework and exams.

Grading

Homework: 20%

(If the lowest score is at the Midterm 1) Midterm 1: 15%, Midterm 2: 25%, Final: 40%

(If the lowest score is at the Midterm 2) Midterm 1: 25%, Midterm 2: 15%, Final: 40%

(If the lowest score is at the Final Exam) Midterm 1: 25%, Midterm 2: 25%, Final: 30%

If you are absent more than 3 times, you will lose 0.5% from your final grade for each additional absence.

Extra Credits (5%): Course Project

Basically students will work as an applied statistician on some data and try to draw conclusion or gave suggestion based on these data. Students are encouraged to discuss with anyone for their course project. Students need to hand in project reports (2-3 pages). Students may collect data from public database, or use your own experience to collect data yourself.

Software

Students may consult with me about any statistical software (e.g. Excel, SPSS, Stata, JMP, R, MATLAB) if they need to use them in their homework.

Dolciani Mathematics Learning Center Resources

The Dolciani Lab is located in rooms 300-305 Hunter North. The lab provides multimedia materials (videotape & CDs), as well as free tutoring, specifically for STAT 213 students. Website: <http://www.hunter.cuny.edu/dolciani>.

Credit/No Credit

You need to submit the CR/NC form to me before the final exam if you decide to get a CR/NC grade for this course. Please check with the Office of the Registrar for more details.

Other Notes

College's policy on academic integrity: "Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures."

College's statement on students with disabilities: "In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/or Learning) consult the Office of AccessABILITY located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212-772-4857)/TTY (212-650-3230)."

Please Note: The instructor reserves the right to evaluate special requests or circumstances. The instructor may make modifications to the syllabus and/or outline during the course. Students will be notified of any changes.