Math 3070: Applied Statistics I
University of Utah – Fall 2019

Course Information:

Course Section: Math 3070-004
Meetings: Tuesday and Thursday 6:00-7:30PM, CSC 10-12
Instructor: Ash Rowland
E-mail: rowland@math.utah.edu
Phone: 801-403-7500
Office: JWB 121
Office Hours: To Be Determined
Homepage: Online via Canvas. Official announcements and homework assignments will be posted there.

Textbook:
Probability & Statistics for Engineering and the Sciences.
Available through the Campus Bookstore or Amazon

Purpose of Course
This course will cover descriptive statistics, basic probability theory, discrete and continuous distributions, sampling, estimation, confidence intervals, and hypothesis testing.

Labs
Students must also be enrolled in a lab section of Math 3070. The labs introduce students to the statistical software package R, which you can download for free from the internet. Students must pass the lab in order to pass the course.

Homework
Homework comes from the 8th edition of the textbook so you must have access to this version. The assigned problems are on the attached schedule along with due dates. The due dates MAY change as the semester progresses so pay attention on Canvas. Hard copies should be handed in, but email is acceptable in the case of illness or other extenuating circumstances. Students are expected to be able to do all of the exercises but only those in the column “Grade Problems” are to be turned in. Homework should be written neatly, showing the steps used to solve each problem, with answers marked clearly. Late homework is not accepted. The lowest two homework scores will be dropped.
Grading Scheme
Labs: 20%
Homework: 20%
Midterms: 30%
Final: 30%
No make-up exams will be allowed, except in the case of emergencies which can be documented. If, because of scheduling conflicts, you absolutely cannot make the midterm you must let me know a week beforehand. Roughly speaking, to get a letter grade starting with A you need a score of 90-100, for a B you need 80-89, for a C you need 70-79, for a D you need 60-69, and anything lower will result in an E. I reserve the right to change this later if necessary, but will only do so for the benefit of the class.

Important Dates
First class: Tuesday, August 20th
Midterm 1: Tuesday, Sept 24th (subject to change)
Midterm 2: Thursday, November 7th (subject to change)
Last Class: Thursday, December 5th
Final Exam: Tuesday, December 10th, 6:00 - 8:00 PM

ADA Statement
The University of Utah is fully committed to policies of nondiscrimination and equal opportunity. The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities, and the University seeks to provide equal access to its programs, services, and activities for people with disabilities. Reasonable prior notice is necessary to arrange such accommodations, and students are responsible for obtaining the accommodations and notifying the instructor through official channels early in the semester.

Safety Statement
“The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.”

Extra Help
You are always welcome to come to office hours or set up an appointment. The math tutoring center is also available for assistance, see http://www.math.utah.edu/ugrad/mathcenter.html