STAT 1020:0BBB  Elementary Statistics and Inference.  Spring 2022

Instructor:  Alex Liebrecht

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Office Hours:

- Alex Liebrecht: MWF 2:30 – 3:20 p.m. in 211 SH
- Ian Hultman: TBD
- Chenyang Li: TBD
- Anastasia Ellison: TBD
- Chaitraj Mete (Grader for 20 hours): chaitraj-mete@uiowa.edu
- Yuan Gao (Grader for 5 hours): yuan-gao@uiowa.edu

Department Information:  Department of Statistics and Actuarial Science, 241 SH.  Phone 335-2082

Department Executive Officer: Dr. Kung-Sik Chan, 241 SH. Phone 335-2849. E-mail: kung-sik-chan@uiowa.edu


Course Website: Course materials such as syllabus, lecture notes, homework assignments, practice problems, supplementary materials, grades, etc. will be posted on ICON.

Calculators:  It is recommended that you get a TI-83 or TI-84 for this course. Demonstrations in this class will be done with a TI-84 and *Microsoft Excel*.

Course Description and Objectives: The main objective of this course is to introduce students to basic statistical concepts for summarizing, analyzing and presenting data. Main topics include regression, prediction, probability, estimation, and tests of significance.

This course is approved for the general education “quantitative or formal reasoning” requirement. Courses approved in this area have as their primary purpose the development of the analytical powers of the student as they might be exercises in the presentation and evaluation of mathematical or other formal symbolic systems.

Pre-requisites:  MATH:0100, MATH:1005 or equivalent. Students should be comfortable with math at the level of elementary algebra.

Grades:  Grade cutoffs will be no higher than the usual 90-80-70-60 breakdown. The course will use the +/- grading system. The A+ grade is used only in extraordinary situations.

Homework (25% of grade):  Homework will be assigned and collected on Fridays at 11:59 p.m. using ICON. Homework should be turned in as a pdf. Points will be deducted for homework that is not the appropriate file type.

During the semester, there will be two presentations---one on regression and one on hypothesis testing. These will be counted as a “double” homework assignment.

Exams (25%/25%/25%): Three exams will be given: two midterms and a final. The dates of the exams are TBD.
ATTENDANCE AND CLASSROOM EXPECTATIONS
Students are responsible for attending class and for knowing an instructor’s attendance policies, which vary by course and content area. All students are expected to attend class and to contribute to its learning environment in part by complying with University policies and directives regarding appropriate classroom behavior or other matters.

ABSENCES
Students are responsible for communicating with instructors as soon they know that an absence might occur or as soon as possible in the case of an illness or an unavoidable circumstance. Students can use the CLAS absence form to help communicate with instructors who will decide if the absence is excused or unexcused; the form is located on ICON within the top banner under “Student Tools.” Delays by students in communication with an instructor could result in a forfeit of what otherwise might be an excused absence (https://clas.uiowa.edu/students/handbook/attendance-absences).

ABSENCES: ILLNESS, UNAVOIDABLE CIRCUMSTANCES, AND UNIVERSITY SPONSORED ACTIVITIES
Students who are ill, in an unavoidable circumstance affecting academic work, or who miss class because of a University sponsored activity are allowed by UI policy to make up a missed exam. Documentation is required by the instructor except in the case of a brief illness. Students are responsible for communicating with instructors as soon as the absence is known (https://opsmanual.uiowa.edu/students/absences-class#8.1).

ABSENCES: HOLY DAYS
The University is prepared to make reasonable accommodations for students whose religious holy days coincide with their classroom assignments, test schedules, and classroom attendance expectations. Students must notify their instructors in writing of any such Religious Holy Day conflicts or absences within the first few days of the semester or session, and no later than the third week of the semester. If the conflict or absence will occur within the first three weeks of the semester, the student should notify the instructor as soon as possible. See Operations Manual 8.2 Absences for Religious Holy Days for additional information.

ABSENCES: MILITARY SERVICE OBLIGATIONS
Students absent from class due to U.S. veteran or U.S. military service obligations (including military service-related medical appointments, military orders, and National Guard Service obligations) must be excused without penalty. Instructors must make reasonable accommodations to allow students to make-up exams or other work. Students must communicate with their instructors about the expected possibility of missing class as soon as possible. (For more information, see https://opsmanual.uiowa.edu/iv-8-absences-class%C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%A0-%2C2%
CLASS RECORDINGS: PRIVACY AND SHARING
Course lectures and discussions are sometimes recorded or live-streamed. These are only available to students registered for the course and the intellectual property of the faculty member. These materials may not be shared or reproduced without the explicit written consent of the instructors. Students may not share these recordings with those who are not enrolled in the course; likewise, students may not upload recordings to any other online environment. Doing so is a breach of the Code of Student Conduct and could be a violation of the Federal Education Rights and Privacy Act (FERPA); also see https://dos.uiowa.edu/policies/code-of-student-life/.

COMMUNICATION: UI EMAIL
Students are responsible for all official correspondences sent to their UI email address (uiowa.edu) and must use this address for any communication with instructors or staff in the UI community (Operations Manual, III.15.2). Emails should be respectful and brief, with complex matters addressed during the instructor’s drop-in hours, for example. Faculty are not expected to answer email after business hours or during the weekends.

COMPLAINTS ABOUT ACADEMIC MATTERS
Students with a complaint about a grade or a related academic issue should first visit with the instructor and then with the course supervisor (if one is assigned), and next with the Chair of the department or program offering the course. If not resolved, students may bring their concerns to the College of Liberal Arts and Sciences: https://clas.uiowa.edu/students/handbook/student-rights-responsibilities.

FINAL EXAMINATION POLICIES
The final exam schedule is published during the fifth week of the fall and spring semesters or on the first day of summer classes; students are responsible for knowing the date, time, and place of their final exams. Students should not make travel plans until knowing this information. A student with exams scheduled on the same day and time or who have more than two final exams on the same day should visit this page for how to resolve these problems by the given deadline: https://registrar.uiowa.edu/makeup-final-examination-policies. No exams may be scheduled the week before finals; some exception, however, have been made for labs, language courses, and off-cycle courses (https://registrar.uiowa.edu/final-examination-scheduling-policies).

FREE SPEECH AND EXPRESSION
The University of Iowa supports and upholds the First Amendment protection of freedom of speech and the principles of academic and artistic freedom. We are committed to open inquiry, vigorous debate, and creative expression inside and outside of the classroom. Visit Free Speech at Iowa for more information on the University’s policies on free speech and academic freedom (https://freespeech.uiowa.edu/).

HOME OF THE COURSE
The College of Liberal Arts and Sciences (CLAS) is the home of this course, and CLAS governs the course’s add and drop deadlines, the “second-grade only” option (SGO), and other undergraduate policies and procedures. Different UI colleges may have other policies or deadlines. See https://clas.uiowa.edu/students/handbook. Questions? Contact CLAS at clasps@uiowa.edu or 319-335-2633.

MENTAL HEALTH
Students are encouraged to be mindful of their mental health and seek help as a preventive measure or if feeling overwhelmed and/or struggling to meet course expectations. Students are encouraged to talk to their instructor for assistance with specific class-related concerns. For additional support and counseling, students are encouraged to contact University Counseling Service (UCS). Information about UCS, including resources and how to schedule an appointment, can be found at counseling.uiowa.edu. Find out more about UI mental health services at: mentalhealth.uiowa.edu. Student Health can also address related concerns (https://studenthealth.uiowa.edu/). These visits are free to students. After hours, students are encouraged to call the Johnson County Community Crisis Line at (319) 351-0140 or dial 911 in an emergency.

NON-DISCRIMINATION STATEMENT
The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Institutional Equity, the University of Iowa, 202 Jessup Hall, Iowa City, IA 52242-1316, 319-335-0705, oie-ui@uiowa.edu. Students may share their pronouns and chosen/preferred names in MyUI, which is accessible to instructors and advisors.
SEXUAL HARASSMENT
The University of Iowa prohibits all forms of sexual harassment, sexual misconduct, and related retaliation. The Policy on Sexual Harassment and Sexual Misconduct governs actions by students, faculty, staff and visitors. Incidents of sexual harassment or sexual misconduct can be reported to the Title IX and Gender Equity Office or to the Department of Public Safety. Students impacted by sexual harassment or sexual misconduct may be eligible for academic supportive measures and can learn more by contacting the Title IX and Gender Equity Office. Information about confidential resources can be found here. Watch the video for an explanation of these resources.