Stat 1020:CCC Elementary Statistics and Inference

Lecture location: Due to COVID-19, lectures will be over Zoom MWF from 2:30 to 3:20. Attendance is optional and lectures will be recorded and posted later the same day.

Discussion: Discussion sections will be live over Zoom. In discussion section you will work on additional problems and extra examples that reinforce the main lectures.

Instructor: Professor Colin Lewis-Beck
Office: 256 Schaeffer Hall
Email: colin-lewis-beck@uiowa.edu
Zoom office hours: Monday 3:30 - 5 PM, Tuesday 9:00 - 10:30 AM

Teaching assistants: Wang, Chunlei & Wang, Chuyi
Emails: chunlei-wang@uiowa.edu & chuyi-wang@uiowa.edu
Chunlei office hours: Friday 10:30 AM - 12:00 PM
Chuyi office hours: Tuesday and Thursday 2:55 PM - 4:25 PM

Grader: Nathan Timmins
Office: 241 Schaeffer Hall
Email: nathaniel-timmins@uiowa.edu

DEO: Dr. Kung-Sik Chan, 241 Schaeffer Hall, 319-335-0712

Course description: This course provides an overview of the logic and techniques involved in quantitatively analyzing and interpreting empirical data. Methods for displaying data graphically and for describing characteristics of data will be covered in the first part of the course dealing with descriptive statistics. The second part of the course includes topics in elementary probability theory and sampling, forming a basis for techniques of statistical inference. The problem of inference, attempting to make generalizations that go beyond the data at hand, is the focus of the third part of the course.

This is a General Education course in Quantitative or Formal Reasoning. Courses approved in this area have as their primary purpose the development of the analytical powers of the student as they might be exercised in presentation and evaluation of mathematical or other formal symbolic systems. Students will learn and practice methods of statistical reasoning. Students will also learn to evaluate arguments made in the symbolic system embodied in the course and will become familiar with its major concepts and ways of formulating questions.


- When students enrolled in the course, they were automatically registered for Pearsons MyLab & Mastering website, which includes access to the eText and a variety of other online resources (enrollment in MyLab & Mastering is mandatory for the completion of online homework assignments).
- The access code to register for MyLab is posted in the Syllabus folder. Please follow the directions in the document called:

  MyLab_Registration_Code.docx
Course webpage: ICON (http://icon.uiowa.edu) has course information, notes, and access to grades.

Assessment: Your final course grade is computed based on the following proportions:

- 25% Homework
- 5% Discussion
- 40% Two in-semester exams
- 30% Final exam

Homework: Ten homework assignments will be assigned throughout the semester through MyLab. Late homework submissions will not be accepted unless permission to turn in the homework late has been granted by the instructor prior to the due date. Such permission will be given at the discretion of the instructor and will only be given in extraordinary circumstances. The worst homework score will be dropped. Homework is to be completed and submitted individually. Group work is encouraged but all answers must be unique to the student.

Submitting Homework: Homework will be posted through MyLab. You will have at least a week to complete each homework assignment.

Participation: Five percent of your grade comes from Discussion Section, which will be determined by the TA.

In-semester exams: There will be two in-semester exams, each of the two worth 20% of your final course grade. The tentative dates for these exams are March 5 (Friday), April 16 (Friday), but these dates are subject to change. The exams will be take home and open book/open note. They will be posted on Friday and due the following Monday.

Final exam: The final exam will also be a take home exam. It will be posted during finals week.

Email Etiquette:

- Check the syllabus/announcements/slides before emailing; try to figure things out yourself first.
- Start your email by addressing me (Dear/Hi Professor Lewis-Beck).
- Be clear and concise.
- Use correct spelling and proper grammar.
- Be polite when making requests - do not make demands.
- End your email with a closing and your name.

Dates of Interest:
January 25: First day of class
March 5: Exam 1
April 14: No class (official non-instruction day per the University)
April 16: Exam 2
TBD: Final exam
UI and the College of Liberal Arts and Sciences
Information for Undergraduates

Absences and Attendance
Students are responsible for attending class and for contributing to the learning environment of a course. Students are also responsible for knowing their course absence policies, which will vary by instructor. All absence policies, however, must uphold the UI policy related to student illness, mandatory religious obligations, including Holy Day obligations, military service obligations, unavoidable circumstances, or University authorized activities. Students may use the CLAS absence form to aid communication with the instructor who will decide if the absence is excused or unexcused. The form is on ICON in the top banner under “Student Tools.” More information is at https://clas.uiowa.edu/students/handbook/attendance-absences.

Academic Integrity
All undergraduates enrolled in courses offered by CLAS have, in essence, agreed to the College’s Code of Academic Honesty. Misconduct is reported to the College, resulting in suspension or other sanctions, with sanctions communicated with the student through UI email. Visit this page for information: https://clas.uiowa.edu/students/handbook/academic-fraud-honor-code.

Accommodations for Disabilities
UI is committed to an educational experience that is accessible to all students. A student may request academic accommodations for a disability (such as mental health, attention, learning, vision, and physical or health-related condition) by registering with Student Disability Services (SDS). The student is then responsible for discussing specific accommodations with the instructor. More information is at https://sds.studentlife.uiowa.edu/.

Administrative Home of the Course
The College of Liberal Arts and Sciences (CLAS) is the administrative home of this course and governs its add/drop deadlines, the second-grade-only option, and related policies. Other colleges may have different policies. CLAS policies may be found here: https://clas.uiowa.edu/students/handbook.

Class Behavioral Expectations
Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life. This includes the policies and procedures that all students have agreed to regarding the Steps Forward for Fall 2020 in response to the COVID-19 pandemic. Particularly, all students are required to wear a face covering when in a UI building, including a classroom. In addition, the density of seats in classrooms has been reduced; in some instances, this will allow 6 feet or more between students while other cases, it may be less. Regardless, wearing a face covering and maintaining as much distance as possible are vital to slowing the spread of COVID19. In the event that a student disrupts the classroom environment through their failure to comply with the reasonable directive of an instructor or the University, the instructor has the authority to ask that the student immediately leave the space for the remainder of the class period. Additionally, the instructor is asked to report the incident to the Office of Student Accountability for the possibility of additional follow-up. Students who need a temporary alternative learning arrangement related to COVID-19 expectations should contact Student Disability Services (https://sds.studentlife.uiowa.edu/fall-2020/covid-19-temporary-learning-arrangements/; +1 319 335-1462)

Class Recordings: Privacy and Sharing
Some sessions of a course could be recorded or live-streamed. Such a recording or streaming will only be available to students registered for the course. These recordings are the intellectual property of the faculty, and they may not be shared or reproduced without the explicit written consent of the faculty.
member. Students may not share these sessions with those not in the class; likewise, students may not upload recordings to any other online environment. Doing so is a breach of the Code of Student Conduct and, in some cases, a violation of the Federal Education Rights and Privacy Act (FERPA).

**Communication and the Required Use of UI Email**

Students are responsible for official correspondences sent to their UI email address (uiowa.edu) and must use this address for all communication within UI (Operations Manual, III.15.2).

**Complaints**

Students with a complaint about an academic issue should first visit with the instructor or course supervisor and then with the Chair of the department or program offering the course; students may next bring the issue to the College of Liberal Arts and Sciences; see this page for more information: [https://clas.uiowa.edu/students/handbook/student-rights-responsibilities](https://clas.uiowa.edu/students/handbook/student-rights-responsibilities).

**Final Examination Policies**

The final exam schedule is announced around the fifth week of classes; students are responsible for knowing the date, time, and place of a final exam. Students should not make travel plans until knowing this information. No exams of any kind are allowed the week before finals with very few exceptions made (for labs, ESL and some world language courses, and off-cycle courses): [https://registrar.uiowa.edu/final-examination-scheduling-policies](https://registrar.uiowa.edu/final-examination-scheduling-policies).

**Nondiscrimination in the Classroom**

The University of Iowa is committed to making the classroom a respectful and inclusive space for people of all gender, sexual, racial, religious, and other identities. Toward this goal, students are invited in MyUI to optionally share the names and pronouns they would like their instructors and advisors to use to address them. The University of Iowa prohibits discrimination and harassment against individuals on the basis of race, class, gender, sexual orientation, national origin, and other identity categories set forth in the University’s Human Rights policy. For more information, contact the Office of Equal Opportunity and Diversity ([https://diversity.uiowa.edu/eod](https://diversity.uiowa.edu/eod); +1 319 335-0705).

**Sexual Harassment**

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community must uphold the UI mission and contribute to a safe environment that enhances learning. Incidents of sexual harassment must be reported immediately. For assistance, please see [https://osmrc.uiowa.edu/](https://osmrc.uiowa.edu/).