Stat 1010: Statistics and Society

Lecture location: Van Allen 2

Lecture times: MWF 1:30–2:20 PM

Instructor: Professor Colin Lewis-Beck
    Office: 256 Schaeffer Hall
    Email: colin-lewis-beck@uiowa.edu
    Office hours: Monday 2:30 - 4:00 pm and Wednesday 2:30 - 4:00 pm

Teaching assistants: Kayla Schneider and Frederic Oke-Agbo
    Offices: 241 and 241 Schaeffer Hall
    Emails: kayla-schneider@uiowa.edu   oussa-oke-agbo@uiowa.edu
    Office hours: TBD

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

Prerequisites: Math 1860 or 1560

Course description: This course is intended to introduce the student to the fundamental concepts of statistics, as well as, provide the student with reasoning skills that can be applied to statistical information that may be encountered on a daily basis. Students should learn how to draw conclusions from analyses and also communicate analysis results.

Text: The required textbook for this class is: Bennett, Briggs, and Triola (2018). *Statistical Reasoning for Everyday Life, 5th edition*, Pearson.

Course webpage: ICON (http://icon.uiowa.edu) has course information, notes, assignments, solutions, exam preparation materials, and access to grades.

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

- 15% Homework

- 5% Participation & in-class assignments

- 10% Discussion

- 40% Two in-semester exams

- 30% Final exam

   Homework: Ten homework assignments will be assigned throughout the semester. Homework is due at the beginning of lecture on the due date. 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. Submission must be in hard copy form (printed + stapled). No electronic homework submissions allowed.

   Participation & in-class assignments: We will do approximately five in-class activities during the semester. You must be in class to receive credit for an in-class assignment. Note:

make-up assignments will NOT be offered.. The second part of your participation grade comes from participating in class. At the start of the semester everyone starts with 10 participation points. If I call your name and you are not present I will deduct one point. If you answer the question (it doesn't have to be the correct answer, just an attempt), I will add one point to your score.

   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 February 28 (Friday), April 17 (Friday), but these dates are subject to change. The changes, if any, will be announced at least one week before the exam dates. Each exam is 50 minutes, completed in lecture. There will be no make-up exams.

   Final exam: The University has tentatively set the final exam on TBD. The final exam is cumulative and may not be taken early under any circumstances.

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 22: First day of class
February 28: Exam 1
April 17: Exam 2
TBD: Final exam

Tentative Course Topics:

Week	Topics
1	Sampling Techniques & Types of Studies (Chapter 1)
2	Sampling Techniques & Types of Studies (Chapter 1)
3	Measurement, Data Types, & Dealing with Errors (Chapter 2)
4	Measurement, Data Types, & Dealing with Errors (Chapter 2)
5	Visual Displays of Data, Statistical Graphics (Chapter 3)
6	Visual Displays of Data, Statistical Graphics (Chapter 3)
7	Describing Data (Chapter 4)
8	Describing Data (Chapter 4)
9	Normal Distribution (Chapter 5)
10	Normal Distribution (Chapter 5)
11	Probability in Statistics (Chapter 6)
12	Probability in Statistics (Chapter 6)
13	Correlation (Chapter 7)
14	Sampling Distributions (Chapter 8)
15	Sampling Distributions (Chapter 8)

Administrative Home 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 other policies. These policies vary by college (https://clas.uiowa.edu/students/handbook).

Electronic Communication 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).

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 should then discuss accommodations with the course instructor (https://sds.studentlife.uiowa.edu/).

Nondiscrimination in the Classroom UI is committed to making the classroom a respectful and inclusive space for all people irrespective of their gender, sexual, racial, religious or other identities. Toward this goal, students are invited to optionally share their preferred names and pronouns with their instructors and classmates. 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 Universitys Human Rights policy. For more information, contact the Office of Equal Opportunity and Diversity at diversity@uiowa.edu or diversity.uiowa.edu.

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 the UI email address.

CLAS Final Examination Policies The final exam schedule for each semester 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 final exam information. No exams of any kind are allowed the week before finals. (https://clas.uiowa.edu/faculty/teaching-poli

Making a Complaint Students with a complaint should first visit with the instructor or course supervisor and then with the departmental executive officer (DEO), also known as the Chair. Students may then bring the concern to CLAS (https://clas.uiowa.edu/students/handbook/student-rights-re

Understanding 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, definitions, and the full University policy, see https://osmrc.uiowa.edu/.