

Mr. Alex Liebrecht  
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## STAT 1020:0BBB Elementary Statistics and Inference. Spring 2021

**Instructor:** Alex Liebrecht

**Email:** alexander-liebrecht@uiowa.edu

**Office Hours:** MW 10:30 – 12:00 p.m. over Zoom

**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-  
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**TAs:** Caroline Morrison (caroline-morrison@uiowa.edu) as Teaching Assistant  
Haiyang Zhu (haiyang-zhu@uiowa.edu) as Grader

**Textbook:** *Intro Stats*. 5<sup>th</sup> edition, by Richard De Veaux, Paul Velleman, and David Bock, 2014.

**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 exercised 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 (e.g., equation of a straight line, plotting points, percentages, powers and square roots)

**Grades:** Grade cutoffs will be no higher than the usual 90-80-70-60 breakdown. The course will use the +/- grading system. The instructor reserves the right to lower the cutoff points depending on the instructor’s assessment of class and individual performance. 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. Students will turn in their assignments at the beginning of class on its due date. Homework should be turned in as a pdf. Points will be deducted for homework that is not the appropriate file type. Unless instructed otherwise, you may work together on homework problems. However, you must write up your solutions in your own words.

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

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**Exams (25/25/25%):** Three exams will be given: two midterms and a final. The exams will be on March 5<sup>th</sup> and April 2<sup>nd</sup>. The final is currently TBD.

**Make-Ups:** There will be no make-up exams given except in extraordinary circumstances.

**Grading:** Questions about grading must be asked within two class days of the graded work's return.

**Attendance:** The class is asynchronous so attendance is not required at a particular time and date but it is highly recommended that all the class videos are watched.

## College of Liberal Arts and Sciences Information for Undergraduates Spring 2021

### **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 course absence policies, which vary by instructor. All absence policies, however, must uphold the UI policy related to student illness, mandatory religious obligations, including Holy Day obligations, unavoidable circumstances, and University authorized activities (<https://clas.uiowa.edu/students/handbook/attendance-absences>). 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 located on ICON within the top banner under "Student Tools."

### **Academic Integrity**

All undergraduates enrolled in courses offered by CLAS have in essence agreed to the College's [Code of Academic Honesty](#). Academic misconduct affects a student's related grade and is reported to the College which applies an additional sanction including suspension. Outcomes about misconduct are communicated through UI email (<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 a mental health, attention, learning, vision, and a 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 UI colleges may have different policies for courses offered by that college. CLAS policies may be found here: <https://clas.uiowa.edu/students/handbook>.

### **Classroom Expectations**

Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life (<https://dos.uiowa.edu/policies/code-of-student-life/>). This includes related UI policies and procedures that all students have agreed to regarding the COVID-19 pandemic. Particularly, each student must wear a face mask when in a UI building, including a classroom. The density of seats in classrooms has been reduced, and in some instances, this will allow 6 feet or more of distance while other cases, it may be less. Regardless, wearing a face mask and maintaining as much distance as is possible are vital to slowing the spread of COVID-19. In the event that a student disrupts the classroom environment through the failure to comply with a reasonable directive of an instructor or of the University, the instructor has the authority to ask that the student to leave the space immediately for the remainder of the class period. Additionally, the instructor is asked to report the incident to the UI Office of Student Accountability, with the possibility of additional follow-up with the student.

Students who need temporary alternative learning arrangements (TALA) for a future semester related to COVID-19 should visit this website for more information: <https://coronavirus.uiowa.edu/temporary-alternative-learning-arrangements-tala>.

### **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 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 in some cases is 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 the UI email address (uiowa.edu) and must use this address for all communication within or with 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>.

### **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 a few exceptions made for particular types of courses such as labs or off-cycle courses: <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>; +1 319 335-0705 or ([diversity.uiowa.edu](https://diversity.uiowa.edu)))

### **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/>.