

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Spring 2019 / Lecture 1

Location: Bunche Hall 1209B

Time: TR 3:30 – 4:45 PM

Website: <https://ccle.ucla.edu>

Instructor: Dr. Linda Zanontian

Email: linda@stat.ucla.edu

Office: MS 8208

Office Hours: Tuesdays and Thursdays 2:00 – 3:00 PM

Course Description

Introduction to statistical thinking and understanding, includes strengths and limitations of basic experimental designs, as well as graphical and numerical summaries of data, inference, and regression as a descriptive tool.

The overall goal of this class is to introduce you to the discipline of statistics as a science of understanding and data analysis. This class is designed to provide you with the tools you need for solving real world problems using statistics while giving you a better understanding of the process of scientific research and statistical inference.

Course Material

1. Introductory Statistics: Exploring the World Through Data, Second Edition by Gould and Ryan. You MUST have the second edition.

2. Stats 10 Lab Manual

Both the textbook and the lab manual are available at the UCLA bookstore.

3. iClicker

You will need an iClicker to participate in certain activities during class. You must register your clicker on CCLE. There will be a link on the top right corner of the course homepage. If you do not register, you will not receive credit. Please register your clicker by end of Week 2. Clicker participation will begin on Tuesday of Week 3 (April 16). The lowest 3 clicker scores will be dropped.

*MyStatLab and StatCrunch will not be used in this course.

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Textbook

Stats 10 for Spring 2019 is part of a textbook program called Inclusive Access. The purpose of Inclusive Access is to make sure that you have access to the digital course materials on or before the first day of class at a highly competitive rate. If you haven't already, you will soon be receiving an e-mail from the UCLA Store with instructions on how to access your course content. (The e-mail will be sent to the address on file with the registrar's office.)

Everyone enrolled in the course will automatically be granted access to the digital course materials. Those who have not opted-out and are still enrolled after Friday of 2nd week (April 12, 2019) will be billed \$68.24 to their BAR account.

This program is **OPTIONAL**; however you must **ACTIVELY OPT-OUT** if you do not wish to participate. If you choose to Opt-Out, you must do so before 9pm PST on April 12, 2019 by going to the UCLA Store's Compare webpage for the class.

If you have questions or concerns, please e-mail the UCLA Store at inclusiveaccess@asucla.ucla.edu.

If you have access to the textbook, you do not need inclusive access and can opt-out.

Course Website

All important information pertaining to the course will be posted on <https://ccle.ucla.edu>. Course announcements, schedule changes, homework, lab data, lecture notes and any other miscellaneous information will be posted on the site. Please be sure to check it on a regular basis to make sure you do not miss any important information.

Homework

There will be 6-8 homework assignments which will be posted on the course website. Homework needs to be uploaded as one PDF document. Late Homework will NOT be accepted. Please include first and last name, student ID, and section number on every homework assignment. The lowest homework grade will be dropped from your grade.

Online Quizzes

There will be 6-8 online quizzes posted on CCLE. Quizzes will be posted a week in advance. The lowest quiz grade will be dropped.

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Lab submissions

There will be 5 lab assignments. Your TA will guide you through the lab assignments during lab section on Tuesdays in Boelter 9413. Every lab assignment must be submitted online on CCLE in PDF format. No hard copies or e-mails of any work will be accepted. Word documents, Google documents, etc. will not be accepted. **Assignments that are late due to technical glitches will not be accepted.** You will have at least one week to submit all assignments, so if you start early, you will have plenty of time to iron out any technical glitches. Please ask your TA any questions regarding labs. All labs will be counted towards your final grade. **No labs will be dropped.**

Software

In the labs, we will use Fathom. Fathom is available for free in the lab or CLICC. There is no need to buy Fathom as all labs can be completed in the lab in Boelter Hall, however, you may download your own copy of Fathom for a fee (\$5.25): <http://concord.org/fathom-dynamic-data-software>

Exams

There will be two exams. The exams will each be 1 hour 15 minutes taken during regular lecture. Every student must have a calculator that at least can take a square root of a number (no graphing calculators are allowed). You CANNOT use the calculator on your phone. No cell phones or other devices such as iPads, iPods, laptops, etc. are allowed during the exam. You will be allowed 1 “cheat sheet” during each exam. You cannot share materials with another student during the exams. You need to have your UCLA ID to take the in-class assessments.

Please do not make any travel plans on the specified dates of exams.

NO MAKE UP EXAMS WILL BE GIVEN FOR ANY REASON.

If you are unable to take an exam on the specified date, please drop the course.

Exam 1 Thursday, May 2, 2019, 3:30 – 4:45 PM (Week 5 in class)
Exam 2 Thursday, June 6, 2019, 3:30 – 4:45 PM (Week 10 in class)

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Grading

Course grades will be based on the following:

- Exam 1 - 25%
- Exam 2 - 25%
- Homework - 18% (lowest score will be dropped)
- Online Quizzes - 15% (lowest score will be dropped)
- Labs - 15%
- iClicker Participation - 2% (lowest 3 scores will be dropped)

Final Grades

Letter Grade	Final Grade
A	93 – 100%
A-	90 – 92.99%
B+	87 – 89.99%
B	83 – 86.99%
B-	80 – 82.99%
C+	77 – 79.99%
C	73 – 76.99%
C-	70 – 72.99%
D	60 – 69.99%
F	Below 60%

Policies on graded assignments

Every homework, lab, exam, or other assessment that you turn in **MUST** have your full name and student ID (UID) listed. If any of this information is missing, misspelled, incorrect, or illegible you will receive a zero grade for that assessment. It is your responsibility to ensure you work is correct and readable.

For every graded assignment (including but not limited to exams), there is a one week grace period to ask questions regarding grades. After one week, ALL GRADES ARE FINAL.

General Weekly Schedule

Monday Attend discussion section (MS 5128).

Tuesday Attend lecture (Bunche 1209B).

Wednesday Attend lab (Boelter 9413).

Thursday Attend lecture (Bunche 1209B).

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Course Schedule

(subject to modification if necessary)

Week	Date	Lecture
Week 1	Tuesday – April 2	Intro, Ch. 1
	Thursday – April 4	Ch. 2
Week 2	Tuesday – April 9	Ch. 2/3
	Thursday – April 11	Ch. 3
Week 3	Tuesday – April 16	Ch. 3/4
	Thursday – April 18	Ch. 4
Week 4	Tuesday – April 23	Ch. 5
	Thursday – April 25	Ch. 5
Week 5	Tuesday – April 30	Review
	Thursday – May 2	FIRST EXAM
Week 6	Tuesday – May 7	Ch. 6
	Thursday – May 9	Ch. 6/7
Week 7	Tuesday – May 14	Ch. 7
	Thursday – May 16	Ch. 7
Week 8	Tuesday – May 21	Ch. 8
	Thursday – May 23	Ch. 8/9
Week 9	Tuesday – May 28	Ch. 9
	Thursday – May 30	Ch. 9
Week 10	Tuesday – June 4	Review
	Thursday – June 6	SECOND EXAM

Lab Schedule

Lab	Start Date	Due Date
Baby Boom (Lab 1)	Week 1, Wednesday, 4/3/19	Week 3, Tuesday, 4/16/19
Batter Up (Lab 2)	Week 3, Wednesday, 4/17/19	Week 5, Tuesday, 4/30/19
Hot Hands (Lab 3)	Week 5, Wednesday, 5/1/19	Week 7, Tuesday, 5/14/19
TB or Not TB? (Lab 4)	Week 7, Wednesday, 5/15/19	Week 9, Tuesday, 5/28/19
Compared to What? (Lab 5)	Week 9, Wednesday, 5/29/19	Finals Week, Tuesday, 6/11/19

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

University Policies:

Academic Integrity

As a student and member of the University community, you are here to get an education and are, therefore, expected to demonstrate integrity in your academic endeavors. All students must uphold University of California Standards of Student Conduct as administered by the Office of the Dean of Students. Students are subject to disciplinary action for several types of misconduct, including but not limited to: cheating, multiple submissions, plagiarism, prohibited collaboration, facilitating academic dishonesty, or knowingly furnishing false information. You may have assignments or projects in which you work with a partner or with a group. For example, you are welcome, and even encouraged, to work with others to solve homework problems. Even though you are working together, the assignment you submit for a grade must be **IN YOUR OWN WORDS**, unless you receive specific instructions to the contrary. For more information about academic integrity, please go to <http://www.deanofstudents.ucla.edu>.

Accessible Education

Students needing academic accommodations based on a disability must contact the Center for Accessible Education (CAE) at (310) 825-1501 or present in person at Murphy Hall A255. As the professionals delegated authority from the campus to determine reasonable disability accommodations, CAE will assess all requested accommodations and communicate appropriately with faculty. In the event that a student has approval for proctoring arrangements during exams, please inform your respective professors and/or Teaching Assistant(s) before date of exam(s). When possible, students should contact the CAE within the first two weeks of the term as reasonable notice is needed to coordinate accommodations. For more information visit www.cae.ucla.edu <<http://www.cae.ucla.edu>>.

Statistics 10: Introduction to Statistical Reasoning – Spring 2019

Title IX

Title IX prohibits gender discrimination, including sexual harassment, domestic and dating violence, sexual assault, and stalking. If you have experienced sexual harassment or sexual violence, you can receive confidential support and advocacy at the CARE Advocacy Office for Sexual and Gender-Based Violence, 1st Floor Wooden Center West, CAREadvocate@caps.ucla.edu, (310) 206-2465. In addition, Counseling and Psychological Services (CAPS) provides confidential counseling to all students and can be reached 24/7 at (310) 825-0768. You can also report sexual violence or sexual harassment directly to the University's Title IX Coordinator, 2241 Murphy Hall, titleix@conet.ucla.edu, (310) 206-3417. Reports to law enforcement can be made to UCPD at (310) 825-1491. Faculty and TAs are required under the UC Policy on Sexual Violence and Sexual Harassment to inform the Title IX Coordinator should they become aware that you or any other student has experienced sexual violence or sexual harassment.

Undergraduate Mentoring

I am an undergraduate mentor for the UCLA Department of Statistics. This means that you may visit me during office hours (or by appointment) for an informal meeting where you can ask questions unrelated to course content, and about research opportunities, graduate studies, career paths, or any other topic pertinent to your education. You are welcome to visit and meet even after the course ends.