

Course Information

Semester & Year: Spring 2020
Course ID & Section #: V9322
Instructor's name: Michelle Moreno
Day/Time or *Online: Online
Location or *Online: Canvas
Number of units: 4

Instructor Contact Information

Office location or *Online: Canvas
Office hours: By Appointment
Email address: michelle-moreno@redwoods.edu

Required Materials

Textbook title: Interactive Statistics
Edition: 3rd
Author: Aliaga and Gunderson
ISBN: 0-13-149756-1
Other requirement: TI-83/84 Calculator or Emulator for Smart Phone or Tablet

Catalog Description

An introduction to basic concepts of descriptive and inferential statistics, with emphasis on the meaning and use of statistical significance. Students will use probability techniques to make decisions via hypothesis testing and will estimate parameters using confidence intervals. The course includes applications from a variety of technical and social science fields. Note: A TI-83 or TI-84 graphing calculator is required. The MATH-15S support course is strongly recommended to take concurrently for students without previous mathematical experience in courses such as Algebra II or Pathway to Statistics.

Course Student Learning Outcomes *(from course outline of record)*

1. Accurately communicate statistical ideas using correct statistical notation, graphs, and vocabulary.
2. Use descriptive and inferential statistics to solve real-world problems.
3. Demonstrate appropriate use of technology in making decisions based upon real-world data.
4. Read and interpret information that contains statistical analysis and be able to communicate these results.
5. Judge the validity of research reported in the mass media and peer reviewed journals.

Evaluation & Grading Policy

Grade Weights:

Discussion Forum	20%
Homework	15%
Exam 1	20%
Exam 2	20%
Final Exam	25%

Final Letter Grade:

A 93-100	A- 90-92
B+ 87-89	B 83-86
C+ 77-79	B- 80-82
C 70-76	
D 60-69	
F <59	

***Please do NOT contact me at the end of the term requesting a grade different from what you have earned. Consideration is automatically given for effort and attendance.**

Late Assignments are generally not accepted. There is a lot of material to cover in this course and falling behind is not an option.

Prerequisites/co-requisites/ recommended preparation

1. Computer Skills:
 - a. Be able navigate the course Learning Management System (Canvas)
 - b. Be able to use Canvas messaging system to communicate with instructor and classmates
 - c. Be able to download and upload files
 - d. Be able to convert document files to .doc or .pdf format
2. English 1A

Special accommodations statement

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS at 707-476-4280.

Student feedback policy

- The instructor will maintain frequent contact with the class and will respond to questions within 24 hours, unless announced absence to due illness, etc.
- The instructor will be part of the weekly discussion forum, providing feedback and discussion prompts.
- Lecture videos will be provided for learning course material.
- Homework, exams, discussion forums, etc. are typically graded within one week of the due date.
- Solutions to homework assignments will be provided via video and/or written explanation.
- Weekly announcements are provided to remind students of what to expect for the upcoming week.

Proctored Exams

This course has no proctored exams.

Student Accessibility Statement and Academic Support Information

Academic support is available at [Counseling and Advising](#) and includes academic advising and educational planning, [Academic Support Center](#) for tutoring and proctored tests, and [Extended Opportunity Programs & Services](#), for eligible students, with advising, assistance, tutoring, and more. The following resources are available to support your success as a student:

- [CR-Online](#) (Resources for online students)
- [Library](#) (including online databases)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

Class Policies and Practices

Course Objectives

This is an introductory course to the science of statistics. Statistics is about making sense out of data. At the most basic level statistics is how to organize data. At the other end of the spectrum is inferential statistics where you make decisions/inferences based upon the data. There are two primary goals for this course:

1. Properly collect and analyze a set of data.
2. Critically examine statistical information presented both in the media and in peer-reviewed journals.

Course Structure

This course runs for 16 weeks, from January 21 to May 15 and will operate fully online.

To be successful in this class, you must be present! That means, participating in discussions, keeping up with assignments, and asking questions.

Discussion Forum

There will usually two discussion forums each week, one for the **Topic of the Week (graded)** the other for **Homework Questions (graded for participation)**.

You are **required to participate, each week**, in a meaningful and respectful way. If you do not have Homework Questions, then you should assist your classmates with their questions. When assisting with homework questions, do NOT just provide answers. In order to receive participation credit, you must provide detailed explanations. You should not be in this class, or any class, to just punch your card. It is my goal, and hopefully yours as well, for you to truly learn these concepts that are applicable to your everyday life, the premier concept being critical thinking.

Topic of the Week – Discussions must be well thought out and researched and references must be provided. While I will sometimes ask for your opinion on a topic, typically I am looking for you to show ability to research and provide unbiased feedback. Media, Wikipedia, etc. are not good sources for unbiased information. We will explore that concept in one of the major assignments for this course. Anyone can find “research” to back their own opinions. True research / critical thinking attempts to look at all angles, even if the results go against our own opinions.

Lecture Videos

There is a lecture video for each chapter in which I go over the Let’s Do It (LDI) problems from the textbook. In the lecture videos I will teach you both the concepts and how to use your calculator. However, I will also provide an Excel spreadsheet (once we get to Chapter 4) so that you can also learn to utilize Excel to make graphs and calculations. You may use Excel or your calculator. While there are better statistics software packages, Excel is the tool widely used in the business realm, which seems to be applicable to the larger percentage of students who take this class.

If something in the videos or Excel spreadsheets is unclear to you, please post those questions in the discussion forum.

Homework

After going through the lecture video, do the assigned homework. As you are working through the problems, post any questions you may have in the discussion forum. Do not rely on the back of the book, particularly this book. It is far more important that you learn than just get the right answers. Do NOT get behind on the homework – it will **NOT be accepted late**. This is not to be inflexible; it is to make sure you are successful. Allowing you to get behind is setting you up for failure.

Solutions will be posted after the due date and it is imperative that you go through those solutions and make sure you understand anything you might have missed. However, if you are using the discussion forum properly, you should get all of the questions right. **Homework will be due in Canvas on Sundays at 11:59pm.**

Exams

There will be 3 Exams including the final.

Exam 1 – Analysis of the book, *How to Lie With Statistics* by Darrell Huff. Details are in the Assignments section in Canvas. **Due on Sunday February 16 in Canvas by 11:59pm. LATE SUBMISSIONS ARE NOT ACCEPTED!**

Exam 2 – You will design a research study, collect data, analyze the data, and write a scientific style paper that includes an explanation of the research, data analysis, and results. You will have several weeks to work on this. **Due on Sunday May 3 in Canvas at 11:59pm. LATE SUBMISSIONS ARE NOT ACCEPTED!**

Final Exam - The final will be given in Canvas. It will be open on Monday May 11 at 5am until 11:59pm. Once you start, the final the 3-hour clock will start. Therefore, do not open the final if you are not ready to sit down and take it in its entirety. It will only be open during the above time frame so plan accordingly. The final will consist of essay type questions as well as problems in which you must make calculations. The best way to prepare for this is to do and make sure you understand the homework and concepts taught in the video lectures.

Institutional Policies

Special accommodations statement (*required for online classes)

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability-related services and accommodations, please see me or contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

Student Access (*required for online classes)

These standards are required by federal regulation. Students will have access to this course that complies with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Course materials will include a text equivalent for all non-text elements; videos will include closed captioning, images will include alt-tags, hyperlinks will use descriptive/meaningful phrases instead of URLs and audio files will include transcripts. All text will be formatted for use with screen readers and all course materials will be understandable without the use of color.

Students who discover access issues with this class should contact the instructor.

Admissions deadlines & enrollment policies

Fall 2019 Dates

- *Classes begin: 1/18/20*
- *Martin Luther King Jr. Day (all-college holiday): 1/20/20*
- *Last day to add a class: 1/24/20*
- *Last day to drop without a W and receive a refund: 1/31/20*
- *Census date: 2/3/20 or 20% into class duration*
- *Lincoln's Birthday (no classes): 2/14/20*
- *President's Day (all-college holiday): 2/17/20*
- *Last day to petition to graduate or apply for certificate: 2/14/20*
- *Spring break (no classes): 3/16/20-3/21/20*
- *Last day for student-initiated W (no refund): 4/3/20*
- *Last day for faculty initiated W (no refund): 4/3/20*
- *Final examinations: 5/9/20-5/15/20*
- *Semester ends: 5/15/20*
- *Grades available for transcript release: approximately 6/1/20*

Students who have experienced extenuating circumstances can complete & submit the **Excused Withdrawal Petition** to

request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Disruptive behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, the student may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Policies for this Class

Class participation and Attendance policy

Your participation is vital for a successful educational experience for you and for your classmates. This course is highly interactive and everyone's feedback is valuable. Your participation and attendance will be recognized by timely posts and replies in the discussion forum. Posting in the forum and never returning, does not constitute a "discussion."

Communication Guidelines

I make every effort to respond to emails and messages within a 24-hour period. I will let the class know of any times that I may be traveling for work. Please be sure to send brief but detailed messages. Vague messages such as, "I don't understand this problem," make it nearly impossible for me to help you. Be specific! It is my preference that you ask homework questions in the discussion forum so that I can answer for everyone.

Regular effective contact (required for online classes*)**

- The instructor will maintain frequent contact with the class and will respond to questions within 24 hours, unless announced absence to due illness, etc.
- The instructor will be part of the weekly discussion forum, providing feedback and discussion prompts.
- Lecture videos will be provided for learning course material.
- Homework, exams, discussion forums, etc. are typically graded within one week of the due date.
- Solutions to homework assignments will be provided via video and/or written explanation.
- Weekly announcements are provided to remind students of what to expect for the upcoming week.

Policies - additional

- Late homework is generally not accepted.
- Late exams are NOT accepted. You will have several weeks to work on each exam, with the exception of the final.
- You are expected to be an active participant in this course. This means engaging in substantive dialogue in the discussion forum, making a sincere effort on homework, and asking and/or answering homework questions.

Information for this Class

Class schedule

Include the scheduled dates for each of the class meetings, and indicate finalized or tentative readings, assignment due dates, quizzes, and exams. Note that this is tentative.

The First Day the Class Meets should be made clear here (since our semesters start on Saturdays, which confuses people). Dates of Holidays and non-class days (Spring Break, Fall Break, Lincoln Day) should also be listed in the CLASS schedule, along with the last regular class meeting, finals week information, AND the last date that late work will be accepted.

- Students not attending the first week will be dropped from the course. To show attendance, you must post to the “Introduce Yourself” discussion thread by Thursday January 23 and respond to at least three classmates by Sunday January 26.
- Each week will be fairly similar:
 - Discussion Forum initial post due typically by Wednesday
 - Responses to classmates’ posts due typically by Sunday
 - Homework typically due by Sunday
 - Exam dates are posted above
 - Deviations from the normal schedule will be announced

Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://www.redwoods.edu/online/Help-Student>

Canvas online orientation workshop: <https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources>

Technology skills, requirements, and support (required for online classes)

1. Technology Requirements:
 - a. Reliable high-speed internet access
 - b. Word processing software, such as Microsoft Word
 - c. Microsoft Excel is optional
2. Technical Support:
 - a. The instructor will assist you with your calculator and using Excel. For issues with school supported platforms see below:
 - b. Before contacting Technical Support please visit the [Online Support Page](#). For password issues with Canvas, Web Advisor or your mycr.redwoods.edu email, contact [Technical Support](#) or call 707-476-4160 or 800-641-0400 ext. 4160 between 8:00 A.M. and 4:00 P.M., Monday through Friday.

Before contacting Technical Support please visit the [Online Support Page](#). For password issues with Canvas, Web Advisor or your mycr.redwoods.edu email, contact its@redwoods.edu or call 707-476-4160 or 800-641-0400 ext. 4160 between 8:00 A.M. and 4:00 P.M., Monday through Friday.

Gender-Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is gender-inclusive and non-sexist to affirm and respect how people describe, express, and experience their gender. Just as sexist language excludes women's experiences, non-gender-inclusive language excludes the experiences of individuals whose identities may not fit the gender binary, and/or who may not identify with the sex they were assigned at birth. Gender-inclusive/non-sexist language acknowledges people of any gender (for example, first year student versus freshman, humankind versus mankind, etc.), affirms non-binary gender identifications, and recognizes the difference between biological sex and gender expression.

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel

Do not leave campus, unless it has been deemed safe by the campus authorities.

Del Norte Campus Emergency Procedures

Please review the [Crescent City campus emergency map](#) for campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information see the [Redwoods Public Safety Page](#).

Klamath Trinity Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [Redwoods Public Safety Page](#). It is the responsibility of College of the Redwoods to protect life and property from the effects of emergency situations within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
4. If safe to do so, notify key Klamath-Trinity Instructional Site administrators and personnel.
5. Do not leave site, unless it is necessary to preserve life and/or has been deemed safe by the person in command.
6. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling and Advising](#) offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams.
- [Library Services](#) to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center [waiting for hyperlink and Mission]
- Math Lab & Drop-in Writing Center

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821
- The [Honors Program](#) helps students succeed in transferring to a competitive four-year school.