



Syllabus for Introduction to Statistics

Course Information

Semester & Year: Spring 2024

Course ID & Section #: Math 15 – E6445

Instructor's name: Anya Savage

Day/Time of required meetings: M/W 10:05-12:10

Location: SC202

Course units: 4

Instructor Contact Information

Office hours: by appointment, zoom or in person

Email address: anya-savage@redwoods.edu

(A message through canvas, our online learning platform, is the best way to contact me!)

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.

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 better understand 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

Prerequisites/co-requisites/ recommended preparation

Completion of Intermediate Algebra or appropriate placement based on AB 705 mandates.

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. This section of Math-15 is not associated with a support course, and assumes students meet prerequisites.

Educational Accessibility & Support

College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, bipolar disorder, and ADHD
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders, and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability
- A learning disability (e.g., dyslexia, reading comprehension), intellectual disability, autism, or acquired brain injury
- Vision, hearing, or mobility challenges

Available services include extended test time, quiet testing environments, tutoring, counseling and advising, alternate formats of materials (e.g., audio books, E-texts), assistive technology, on-campus transportation, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Disability Services and Programs for Students \(DSPS\)](#). If you are unsure whether you qualify, please contact DSPS for a consultation: dsps@redwoods.edu.

- Eureka: 707-476-4280, Student Services Building, 1st floor
- Del Norte: 707-465-2324, Main Building, near the library
- Klamath-Trinity: 707-476-4280

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

Canvas

Canvas is web based learning management system, where we will come together online as a class. Canvas will be where your grades are located, assessments are taken, and where you will access the text, homework, and statistics technology. We will also use it for communication. You will be working in canvas both in class and at home.

Please make sure you are checking canvas regularly for announcements! You may miss important/helpful information if you do not.

Canvas Information

Log into Canvas at [My CR Portal](#)

For help logging in to Canvas, visit [My CR Portal](#).

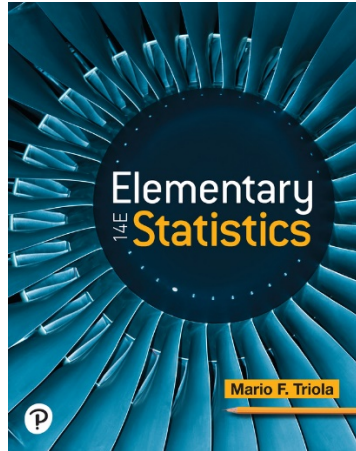
For help with Canvas once you're logged in, click on the Help icon on the left menu.

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

Canvas online orientation workshop: [Canvas Student Orientation Course \(instructure.com\)](#)

Required Materials

Textbook: Elementary Statistics, 14th edition, by Triola, ISBN: 9780137374748



*****YOU MUST PURCHASE THE ONLINE ACCESS CODE FOR THIS TEXT*****

The ISBN number above provides you with an access code to MyLab and Mastering for this course (you will access these materials through the canvas site for this class).

To register for MyLab through canvas:

In the canvas page for this class (you can find a link to canvas at the College of the Redwoods homepage or <https://redwoods.instructure.com>):

- Click on MyLab and Mastering in the left hand menu
- Click on the Open MyLab and Mastering button

You will be lead through a series of prompts to either purchase an access code, or enter in an access code which you have already purchased. You only need to purchase the 18 week option. There is also an option for a two week free trial. If you select this option, you will need to purchase a code before the two weeks are complete to continue in the class. All your work will be saved.

Additional directions for registering for MyMathLab through canvas and support information can also be found at the following links:

[How to Register for MyMathLab pdf](#)

[How to Register for MyMathLab video](#)

When you are registering it is VERY important that you enter in your email address accurately and keep track of both the email address you used to register and your password. If you do not enter in your email address correctly it can be very difficult to retrieve login information if that becomes necessary during the semester.

Please keep in mind that because you will be accessing MyLab and Mastering through the canvas page for this class, you will not need a course id. You will, however, need to purchase an access code. Access provides you with an electronic copy of the text, homework, testing and review materials and StatCrunch, the technology application we will use in the course. It does not include a hard copy of the book.

There are a variety of online options for purchasing the access code if you choose not to go through the bookstore. The best and easiest way is probably to purchase your code through canvas as you go through the registration process. You will be prompted to buy/enter a code when you first log in to MyLab and Mastering through canvas. You will have access to the course materials right away if you select this option. If you have purchased a code through the bookstore you will be prompted to enter it during the registration process as well, and you will have immediate access to course materials. There is also an option for a free two week trial. After the two weeks are completed, you will then need to purchase a code, but your account information will remain the same, and all your work will transfer automatically.

If you choose a different option/ISBN number for purchasing the text, please be VERY sure that it comes with the access code. Also be aware that some retailers will email the code so you can access it right away, and some may send the code through the mail. There are also different bundles, with different ISBN numbers that may include a hard copy of the text to rent or buy along with the access code. Again, just be sure that you are purchasing an access code. If you decide you would like a hard copy of the book after you purchase the electronic one, you can often find relatively inexpensive options for renting or buying just a hard copy of the text from online retailers.

Please think about what your needs/wants as a student are when you are deciding how to access materials and where you will purchase them. The access code is all that is required, in addition to a scientific calculator.

Scientific Calculator: A scientific calculator (a graphing calculator is NOT required, but will certainly work if you have one). If you do not already have one, a good scientific calculator can usually be purchased for less than \$15, or you may be able to find a free or inexpensive app for your computer or smart phone. A good free online option can be found at <https://www.desmos.com/scientific>

Other Materials: In addition to the text/access code and scientific calculator, you may also wish to have graph paper, paper to take in class notes on, pencils, erasers, a straight edge, and a binder or notebook to organize classwork, notes, etc.

Course Format

This course is divided up into modules, one module for each week. You can access the modules in canvas—there is a link entitled modules in the left hand menu once you are in the canvas page for this course. Modules run from Sunday at 11:59 to the following Sunday at 11:59. Modules will typically cover 1-3 sections of the textbook (depending on the length of the section, exam schedule, etc.) and may consist of the following assignments/activities:

- Reading the text for each section and taking a short reading quiz on each section (the text can be accessed electronically through MyLab and Mastering or hard copy, the quiz is in canvas.)
- Homework for each section (done online through MyLab and Mastering, or submitted as an assignment in canvas)
- Watching and responding to short videos/lectures
- Exams (4-5 exams, including a comprehensive final during finals week)
- Daily Activities (done in class)

Evaluation & Grading Policy

Reading and Reading Quizzes

Reading from the text will be assigned each week. Each section of the text has an associated reading quiz to go along with it in canvas. These are short quizzes that you may take as many times as you would like until the due date and are designed to be taken as you read the text and before we cover the material in class. Your highest score is the one that will count.

Homework

Homework will be assigned in MyLab and Mastering, as an assignment in canvas, or in some cases handed out in class to be turned in at a later date. Please check the Modules in canvas so you can be sure you are completing all assignments and are up to date. Homework in MyLab and Mastering can be done as many times as you would like until the due date. For most problems MyLab provides many resources such as videos, worked examples, hints, and an “email my instructor” link. If you are having trouble accessing these resources please let me know.

Daily Activities

A Daily Activity will be assigned almost every class session. These may consist of a group or individual activity, a short assignment or problem set, or a participation grade, and may be on canvas, or on paper to turn in during class. Any paper based activities must be completed in class and there are no makeups for these. The two lowest daily activities grades will be dropped. Please make sure that you bring current notes to class, as you may want to reference them while completing these activities.

Exams

There will be 4-5 exams, including a comprehensive final taken during finals week. All are weighted equally. There will be no makeup exams. However, if you know you will need to miss an exam, please let me know well ahead of time, and it may be possible to arrange an alternate time to take it. If you miss an exam due to a documentable emergency (serious illness, car accident, etc.) please contact me as soon as possible to make alternative arrangements. If it will benefit you (increase your grade) your lowest exam grade will be replaced with your final exam score. Otherwise, exam scores will remain the same.

In most cases, activities for each week will be available beginning Sunday at 11:59 pm, and due the following Sunday at 11:59 pm. Please do not wait until the last minute to complete your assignments! However, if for any reason you fall behind, or anticipate that you may fall behind, please contact me as soon as possible. If you contact me in a timely manner, in most cases we can find a solution to get you back on track or keep you current.

Grading

Your grade will be based on the following percentages:

Reading Quizzes	10%
Homework	40%
Daily Activities	10%
Exams	40%

Grading Scale

A	93-100%
A-	90-92%
B+	88-89%
B	83-87%
B-	80-86%
C+	78-79%
C	70-77%

*******Syllabus is subject to change*******

Spring 2024 Dates

January 12	Last day to register for classes (day before the first class meeting)
January 13	Classes begin
January 15	Martin Luther King, Jr.'s Birthday Holiday (District-wide closure)
January 19	Last day to add a class
January 26	Last day to drop without a "W" and receive a refund
January 29	Census Date (20% of class)
February 16	Lincoln's Birthday Holiday (District-wide closure)
February 19	President's Day Holiday (District-wide closure)
March 7	Last day to petition to graduate
March 29	Last day for student initiated withdrawal (62.5% of class)
March 29	Last day for faculty initiated withdrawal (62.5% of class)
March 11-16	Spring break (no classes)
April 1	District-wide closure (Cesar Chavez Day) .
May 4-10	Final Examinations
May 10	Last day to file for P/NP Option
May 10	Semester Ends
May 17	Grades due
May 24	Grades available

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](#).

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 inclusive and respectful.

Setting Your 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. This does not change your legal name in our records. See the [Student Information Update form](#).

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

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.

Eureka 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 [CR Police Department- Public Safety](#) It is the responsibility of College of the Redwoods to protect life and property from the effects of emergencies within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4. Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.
5. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6. If safe to do so, notify key administrators, departments, and personnel.
7. Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

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](#)
- [Online Tutoring Resources](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)
- [Academic Support Center](#) – offers tutoring and test proctoring for CR students.
- [Student Tech Help](#) – provides students with assistance around a variety of tech problems

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- 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.
- [CalWORKS](#) – assists student parents with children under the age of 18, who are receiving cash assistance (TANF), to become self-sufficient.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821