CR COLLEGE OF THE REDWOODS

Syllabus for MATH-15 Introduction to Statistics

Course Information

Semester & Year: Spring 2022
Course ID & Section #: MATH-15-V2873
Instructor's name: Paige MacDonald
Course units: 4.0
Required Materials: The free textbook for this course is Statistics Using Technology, 2e, by Kathryn Kozak. The book is available on our Canvas course page.
Instead of a calculator, you will need a 6-month license for StatCrunch, a web-based statistical software ($14.99).

Instructor Contact Information

Office hours: Online via Zoom Tue/Thurs 3pm-4pm
Email address: paige-macdonald@redwoods.edu

I will respond to emails or Canvas messages sent Sun – Thurs within 24 hours, and to emails sent Fri – Sat within 48 hours.

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

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

Completion of Intermediate Algebra or appropriate placement based on AB 705 mandates.
Please note that if you have a weak algebraic background, it is highly recommended you take Math 15 w/ Support. This class is NOT a support course, so you would need to enroll in a different section of Math 15 that is linked to a support course.

Evaluation & Grading Policy

Your grade will be comprised of:

Quizzes	10%
Homework	10%
Checkpoint Quizzes	15%
Discussions	15%
Exams	30%
Final	20%

A	94% to 100%
A-	90% to < 94%
B+	87% to < 90%
B	84% to <87%
B-	80% to <84%
C+	77% to <80%
C	70% to <77%
D	60% to <70%
F	0% to <60%

Quizzes

These are small quizzes on Canvas on each section. You will have 3 attempts, and only your best score is kept. These quizzes are to make sure have done the appropriate reading and are keeping up with the pace of the course. Quizzes for each section covered in a week are due Wednesdays by 11:59pm.

Discussions

There will be weekly discussions on Canvas. You must respond to the original post by 11:59pm on Wednesdays and reply to 2 other students' posts by 11:59pm on Sundays.

Homework

Online homework will be assigned for most sections. Homeworks (for most sections covered in a week) are due Sundays by 11:59pm.

All questions about homework should be posted in the Q & A Forum (not emailed to me or sent as a Canvas message). This way, all students can benefit from the interaction. Please also answer questions when you can; explaining a concept to someone else is one of the best ways to master it! Each question in the online homework has an option to "Post to Forum". If you would like your post to be anonymous, just click next to the box that says "Post Anonymously" underneath the box where you type your question. For students that are active (non-anonymously) in the Q&A Forum, I will bump your grade at the end of the semester if you are near the cutoff. For example, if you have a B+ and are close to the cutoff for an A-, I will give you the A-.

Checkpoint Quizzes

These are medium-sized quizzes on Canvas at the end of each module (except the Intro Module). You will have 3 attempts, and only your best score is kept. These quizzes are to let you know how you're doing with the material, and to give you an early alert if you're missing something. Checkpoint Quizzes are due Wednesdays (for the Module completed the previous week) by 11:59pm.

Exams

These exams will be given at key points in the semester; usually when transitioning into a new major topic. You will write up your answers, scan and convert them to a pdf, and upload them onto Canvas.

Exams are an opportunity for you to show me how well you have learned the material. You will have at least on week to complete Exams.

Final

The **required** Final Exam will be given on Canvas during the final week of the course. All finals must be submitted by Friday, May 13 at 3pm.

If you do not take the final exam, you will not pass the course.

Instructor-Drop Policy

I reserve the right to drop any student from the course that fails to participate in the first week OR any student that fails to participate for more than 1 full week before the April 1 drop deadline I will reach out to you before I drop you from the course. This policy is to protect your GPA at CR.

Admissions deadlines & enrollment policies

Spring 2022 Dates

- *Classes begin: 01/15/22*
- *Last day to add a class: 01/21/22*
- *Martin Luther King, Jr's Birthday (all campuses closed: 01/17/22*
- *Last day to drop without a W and receive a refund: 01/28/22*
- *Census date (or 20% into class duration): 01/31/22*
- *Last Day to file P/NP (only courses where this is an option) 02/11/22*
- *Lincoln's Birthday (all campuses closed): 02/18/22*
- *Presidents Day (all campuses closed): 02/21/22*
- *Last day to petition to graduate or apply for certificate: 03/03/22*
- *Spring Break (no classes): 03/14/22-03/19/22*
- *Last day for student-initiated W (no refund): 04/01/22*
- *Last day for faculty-initiated W (no refund): 04/01/22*
- *Final examinations: 05/07/22-05/13/22*
- *Semester ends: 05/13/22*
- *Grades available for transcript release: approximately 05/30/22*

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). 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

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary

arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

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.

Canvas Information

We will use Canvas extensively in this course. Most assignments/quizzes must be completed on Canvas, and most of the course content will be delivered via Canvas. You should be in the habit of checking Canvas **daily** so you don't miss assignments.
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://webapps.redwoods.edu/tutorial/

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

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.

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](#).

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 [Redwoods Public Safety Page](#) 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.

Klamath Trinity Campus Emergency Procedures

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction.

1. In the event of an emergency, communication shall be the responsibility of the district employees on scene.
   a. Dial 911, to notify local agency support such as law enforcement or fire services.
   b. If safe to do so, notify key administrators, departments, and personnel.
   c. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
   d. Contact 530-625-4821 to notify of situation.
   e. Contact Hoopa Tribal Education Administration office   530-625-4413
   f. Notify Public Safety 707-476-4111.
2. In the event of an emergency, the responsible district employee on scene will:
   a. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
   b. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
   c. Close all window curtains.
   d. Get all inside to safe location Kitchen area is best internal location.
   e. If a police officer or higher official arrives, they will assume command.
   f. Wait until notice of all is clear before unlocking doors.
   g. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.
   h. Do not leave site, unless it has been deemed safe by the person in command. Student Support Services (required for online classes)

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 offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- Academic Support Center for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- Library Services to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center

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.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821