Instructor: Todd Zoroya

Email: First Class or todd.Zoroya@umit.maine.edu

Overview: This is an elementary, first year statistics class. We will cover the following topics: variability, measures of center, measures of spread, association and correlation, least squares regression, sampling, normal distributions, confidence intervals for proportions and means, central limit theorem, and hypothesis tests for proportions and means.

Software (Required): Interactive Statistics by Sullivan III and Woodbury. This is an e-text only. We will be using MyStatLab software, accessed at www.mystatlab.com. The access code can be purchased at the book store or at the course website. If you purchase at the book store do not purchase a generic MyStatLab code. There is a 14 day temporary code you can use if you want to get started right away. If you use temp code, do not create new account when you add your purchased access code.

Technology: You will need a calculator for homework, quizzes, and tests. The TI-30XS is recommended. I would not recommend the TI-30Xa. If you have a graphing calculator you may use that.

Chapters/Sections Covered in the Textbook:

Chapter #1: Data Collection (1.1 An Overview of Statistics)
Chapter #2: Organizing Statistics (2.2 Organizing Quantitative data, 2.4 Graphical Misrepresentations of Data)
Chapter #3: Numerically Summarizing data (3.1 Central Tendency, 3.2 Dispersion, 3.4 Position and Outliers, 3.5 Five-Number Summary and Boxplots)
Chapter #7: Normal Distribution (7.1 Properties, 7.2 Applications, 7.3 Assessing Normality)
Chapter #8: Sampling Distributions (8.1 Sample Mean, 8.2 Sample Proportion)
  Chapter #9: Estimating Parameters (9.1 Proportions, 9.2 Means, 9.3 Putting it together?)
Chapter #10: Hypothesis Testing One Sample (10.1 Introduction, 10.2 Proportions, 10.3 Means, 10.4 Putting it together?)
Chapter #11: Hypothesis Testing two Samples (11.1 Proportions - Independent samples, 11.2 Means - Dependent samples, 11.3 Means - Dependent)
Chapter #12: Chi-Square Tests (12.1 Goodness-of Fit, 12.2 Independence)
Chapter #4: Correlation and Regression (4.1 Correlation, 4.2 Linear Regression, 4.3 Diagnostics, 4.4 Contingency tables)
Communication: Announcements and communications between the instructor and the entire class will take place through Mystatlab (MSL). Please check frequently for announcements. If you have a question for me directly, please email me. If you email me, please put “STS232 Online” in the subject.

Course Components:

• Homework: There will be a graded interactive assignment and homework assignment for each section covered. You must complete the interactive assignment to at least 70% to be able to move on to the homework assignment. The homework must be completed before each expiration date and time (usually Wednesday night at 11:59pm). You can re-do the homework as many times as you like. To redo a question, hit the similar problem button after getting a problem incorrect. When completing homework, please be sure to "Check answer" or click on the “Save” button frequently throughout your time working so that your homework grade is recorded and work is saved.

• Quizzes: There will be a graded quiz each week, covering the homework sections for that week. The quiz must be submitted prior to the deadline (usually Wednesday night at 11:59pm). You only have 2 tries for the quizzes. You don’t, however, have to complete the quiz in one sitting. The software saves your work as you go, and you only push “Submit” when you are completely done and ready for your grade.

• Midterm & Final: There are two proctored, written exams. The final test may be comprehensive. Students who take a make-up exam without an excused absence will have their grade for that test be based on a maximum score of 70.

For ORONO’s students: You do not need to sign up for an exam if you plan on taking the exam on campus during the normal exam time.

For Off-campus students in Maine: Tests are taken at one of the off campus sites during the open testing window. You must sign up with an off campus site using the link I provide you in MML during the first 2 weeks of the semester. Please see schedule for dates. A week prior to each test you will call your testing site to register to take the test.

Out-of-state and Academy students: It is your responsibility to secure a proctor in your area the first 2 weeks of classes. Often a local library, adult education center, or community college will agree to proctor for you. You must email the proctor’s name, title, address, phone, and email address for verification to UMA, using the link I provide you at the beginning of the semester. A week prior to each test you will schedule a time with your proctor to take your test.

Make-Up Policy: Your lowest quiz grade and your 2 lowest homework grades will be dropped to account for any missed assignments due to illness or any other circumstances.

*Extensions: Sometimes unforeseen things happen in a semester. For this reason, everyone is allowed one extension. You must email me within a week of the missed assignments and then complete the assignments within a timely manner, usually one week. All assignments must be completed by the Friday before finals week.
**EXTRA CREDIT:** **THERE IS NO EXTRA CREDIT FOR THIS COURSE.**

**Course Grades:**

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<tbody>
<tr>
<td>Homework</td>
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<td>Quizzes</td>
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<td>Midterm</td>
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- Final letter grades are determined as follows: 60-69 (D), 70-79 (C), 80-89 (B), 90-100 (A).

**Academic Integrity:** You are encouraged to become familiar with the Student Conduct Code (http://www.maine.edu/policyscc501.html), especially the first seven violations, which speak to issues of academic misconduct. The Student Conduct Code is, as always, in effect in this course. Acts of academic dishonesty will result in, at minimum, a zero on the exam, quiz, or homework, and report of the incident to the conduct office.

"In the event of disruption of normal classroom activities due to an H1N1 swine flu outbreak, the format for this course may be modified to enable completion of the course. In that event, you will be provided an addendum to this syllabus that will supersede this version."

If you have a disability for which you request an accommodation, please contact me or Sara Henry, Coordinator of Services for Students with Disabilities (Onward Building, 581-2319) as early as possible in the term.

**Sexual Discrimination Reporting**
The University of Maine is committed to making campus a safe place for students. Because of this commitment, if you tell a teacher about an experience of sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct or any form of gender discrimination involving members of the campus, your teacher is required to report this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity.

**If you want to talk in confidence** to someone about an experience of sexual discrimination, please contact these resources:

- For confidential resources on campus: Counseling Center: 207-581-1392 or Cutler Health Center: at 207-581-4000.
- For confidential resources off campus: Rape Response Services: 1-800-310-0000 or Spruce Run: 1-800-863-9909.

**Other resources:** The resources listed below can offer support but may have to report the incident to others who can help:

- For support services on campus: Office of Sexual Assault & Violence Prevention: 207-581-1406. Office of Community Standards: 207-581-1409, University of Maine Police: 207-581-4040 or 911. Or see the OSAVP website for a complete list of services at http://www.umaine.edu/osavp/
Help Options

For all students, using the “Ask instructor” button is a great way to get a quick question answered on a homework problem!

For Orono students, the Math lab is located in 116 Neville Hall. It’s a great place to go with homework questions. Take advantage of it!

For Off-campus students, please set up an appointment to meet online/phone to go over questions or problem areas.

To Register for My Math Lab:

- Go to www.mystatslab.com. Under STUDENTS, choose “LOG IN”.
- To register, you will need:
  - An email address (Does not have to be Firstclass.)
  - The course ID which is zoroyaa44915
  - A student access code, which can be purchased in the bookstore, or online
- Follow the directions on the screen to register, and remember your login name & password!

Once registered:

- Once you register and sign on, click the STS232 course.
- Choose Browser check
- Follow the directions to install all the needed plug-ins onto your computer. If you do not install the plug-ins, you will not be able to take quizzes, do homework, watch videos, etc.