Instructor: Todd Zoroya
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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 through Blackboard. An 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.

Technology: You will need a calculator for homework, quizzes, and tests. The TI-30XS is recommended. I wound 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, 1.2 Observational studies vs experiments, 1.3 Simple random sampling, 1.4 Other sampling methods, 1.5 Bias, 1.6 Design of experiments)
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 #4: Correlation and Regression (4.1 Correlation, 4.2 Linear Regression)
Chapter #7: Normal Distribution (7.1 Properties, 7.2 Applications)
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)
Chapter #11: Hypothesis Testing two Samples (11.1 Proportions)
Communication: Announcements and communications between the instructor and the entire class will take place on the Mystatlab announcement page. 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%, usually, to be able to move on to the homework assignment. You can re-do the homework as many times as you like up to the deadline, (usually Monday’s at 11:59pm). 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 after each chapter is completed. 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. Quizzes are due usually Monday’s at 11:59pm.

Midterm & Final: There are two, two-hour, written, proctored exams. Students who take a make-up exam without an excused absence may 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 week of the semester. A week prior to each test you will call your testing site to register to take the test.

Out-of-state students: It is your responsibility to secure a proctor in your area the first week of classes. Often 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.

Midterm open test window = May 30th – June 2nd
Final open test window = June 20th – 23rd

For each exam you may have one, double sided reference sheet, hand written. There will be a set of ungraded review problems in MSL to help focus your studying.

Make-Up Policy: Your 3 lowest homework/interactive grades and your lowest quiz grade will be dropped to account for any missed assignments due to illness or any other circumstances.

Course Grades:

<table>
<thead>
<tr>
<th>Interactive assignments &amp; Homework</th>
<th>40%</th>
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</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exams</td>
<td>50%</td>
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</tbody>
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Final letter grades are determined as follows: 60-69 (D), 70-79 (C), 80-89 (B), 90-100 (A). Plus grades are added as well for A-C.
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. A math graduate student usually mans the math lab a number of hours during the summer semester.

For Off-campus students, please set up an appointment to meet online with Zoom in Blackboard to go over questions or problem areas.

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.

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/

"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.