San José State University
Department of Psychology

Elementary Statistics
Stat 095, Section 06
Fall 2012

Instructor: Dr. Ron Rogers
Office Location: DMH, Rm. 157
Telephone: (408) 924-5652
Email: Ronald.Rogers@sjsu.edu

Office Hours: Tuesday 11:00 – 12:00 pm
Or, by appointment

Class Days/Time: T R 3:00 – 4:15 pm

Classroom: DMH 164

Prerequisites: By California State University policy, passage of the Entry Level Math (ELM) Exam is a prerequisite to enroll in this course. Failure to satisfy this prerequisite will result in the retroactive assignment of a “U” grade in this course. Information on the ELM can be obtained on the web at http://testing.sjsu.edu/teptelm.html

GE/SJSU Studies Category: Intended for majors in education, nursing, personnel administration, psychology, social service and sociology, and psychology minors. GE: B4 (Mathematical Concepts) and CAN STAT 2.

Course Description
Organization and classification of data, graphic representation, measures of central tendency and variability, percentiles, normal curve, standard scores, correlation and regression, and introduction to statistical inference; use of microcomputers for statistical calculations.

Course Web Page
Copies of the course materials such as the syllabus, major assignment handouts, etc. will be distributed through the course web site on Desire2Learn (D2L), SJSUs learning management system. You are responsible for regularly checking the course web page for resources and scheduling information. I recommend viewing some of the online tutorials if you’ve never before taken a course using D2L.

How to Begin:
1. Visit the course Welcome page: https://sjsu.desire2learn.com/
2. Click the System Check link before you login to make sure your system is configured properly. Note: Be sure that your browser pop-up blocker is disabled for D2L.

3. Login to the system:
   a. Username:
      i. Your Desire2Learn username can be found by logging into your mySJSU account
      ii. Click on Self Service > Campus Personal Information > Names, and locating your Desire2Learn name (look for Name Type called D2L) from the list.
      iii. Usernames will generally be in the form of firstname.lastname, but may have an appended number (e.g., firstname.lastname#) if there is more than one person with that name at SJSU.
   b. Password:
      i. Your initial Desire2Learn password is your 9-digit SJSU ID number.
      ii. After your initial login, change your password to one that is meaningful and memorable to you.

4. Problems?
   a. If you forget your password, use the "Forgot Password?" link in the "Login" box on the left side of the D2L login page.
   b. For other login or password issues, please contact the Help Desk at 408-924-2377 or submit an "incident ticket" online at http://www.sjsu.edu/helpdesk.ticket/.

Course Goals and Learning Objectives

1. Stat 95 requires students to write a minimum of 500 words in a manner appropriate to quantitative analysis. The writing requirement will be met via written projects (described below). Writing will be assessed for grammar, clarity, conciseness, and coherence.

2. Stat 95 will incorporate issues of diversity in many ways (e.g., in lectures, films, assignments)

3. In terms of Mathematical Concepts (Area B-4), Stat 95 will focus on:
   a. Basic mathematical techniques for solving quantitative problems
   b. Elementary numerical computation
   c. The organization, classification, and representation of quantitative data in various forms, such as tables, graphs, rates, percentages, measures of central tendency and spread
   d. Applications of mathematics to everyday life
   e. Applications of mathematical concepts in statistical inference

GE and Course Learning Outcomes (LO)

Upon successful completion of this course, students will be able to: (CLO 1 – 3 are GE outcomes, with the remainder being course-specific)
• **CLO1** – To use statistical methods to solve quantitative problems, including those presented in verbal form

• **CLO2** – To demonstrate the ability to use mathematics and statistics to solve real-life problems

• **CLO3** – To arrive at conclusions based on numerical and graphical data.

• **CLO4** – The specific course learning outcomes for each learning module are listed in the course schedule below.

**Program Learning Outcomes (PLO)**

Upon successful completion of the psychology major requirements…

• **PLO1** – *Knowledge Base of Psychology* – Students will be able to identify, describe, and communicate the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

• **PLO2** – *Research Methods in Psychology* – Students will be able to design, implement, and communicate basic research methods in psychology, including research design, data analysis, and interpretations.

• **PLO3** – *Critical Thinking Skills in Psychology* – Students will be able to use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes.

• **PLO4** – *Application of Psychology* – Students will be able to apply psychological principles to individual, interpersonal, group, and societal issues.

• **PLO5** – *Values in Psychology* – Students will value empirical evidence, tolerate ambiguity, act ethically, and recognize their role and responsibility as a member of society.

**Assessment of student learning objectives:** The learning objectives will be assessed via in-class and homework assignments, quizzes, exam questions, and written papers. These assessment items will involve solving verbal and symbolic quantitative problems, including those that involve real-world situations. Students will be required to arrive at conclusions using numerical and graphical data. For example, students may view a scatterplot depicting data for the amount of caffeine consumed (X) and the quality of sleep (Y) and will determine whether a relationship exists between these variables, and, if so, the nature and strength of this relationship (LO 3). In addition, students will compute appropriate statistical measures that describe the relationship (LO 1) and then determine the practical implications of the observed relationship (LO 2, 3).

**Required Texts, Readings, and/or Materials**


Other required equipment and materials

1. Computer, printer, internet and library access
2. Scantron (882) forms
3. Access to Statistical Package for the Social Sciences (SPSS) software (v. 19.0 or later). See “Student Technology Resources” below for additional information.
4. Calculator (must have square root and exponent buttons)

Definition of a Credit Hour

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of forty-five hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

As an example, the expectation of work for a 3-credit course is 150-minutes of direct faculty instruction and six hours of out-of-class student work each week.

Classroom Protocol

Classes will be comprised of lectures, in-class activities, and question-and-answer periods. Attendance is expected and is critical for success in this course. If you miss a class, you are responsible for getting the information covered. It is vital that you complete all scheduled readings and assignments before each class. Always bring your textbook and calculator to class.

To get the most out of the lectures, you should read the assigned material prior to the lecture (see Course Schedule). If you have not read the textbook, you may have difficulty following lectures. Furthermore, the textbook (at the end of each chapter) has exercises with which you can practice. In addition to homework assignments, you should work as many exercises as you can to make sure that you understand the concepts and computations. “Doing” really is “learning” when it comes to statistics. The more you practice, the more it will make sense. The material in the course is cumulative and it becomes more complex as the semester progresses. If you miss several lectures, it will become extremely difficult for you to catch up with class. Thus, it is very crucial that you attend all of the class periods.

Classroom Environment and Electronics Policy

In an effort to create a classroom environment conducive to sharing one’s thoughts, I require the following classroom etiquette:

• Be polite and respectful to the other people in the class.
• Do not carry on conversations with others during class.
• Please turn off your cell phone. If you need to receive an emergency call, let me know about it in advance. Never take a call and start talking during class.
• Do not use electronic devices to check email, visit web sites, play games, or send text messages. Doing so is a distraction to other students and the instructor and will result in expulsion from class.
• Do not work on any other course material during class, including studying for other exams.
• Do not sleep during class.

Recording of Class Lectures
Common courtesy and professional behavior dictates that you notify someone when you are recording him/her. You must obtain my permission by email to make audio or video recordings in this class. This permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.

Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without my approval. You may not publicly share or upload instructor-generated material for this course such as exam questions, lecture notes, or homework solutions without my consent.

Dropping and Adding
Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester’s Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic calendar web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for dropping classes. Information about the latest changes and news is available at the Advising Hub at http://www.sjsu.edu/advising/.

Assignments and Grading Policy
Your grade will be determined by your performance in four categories of the coursework and examination:

<table>
<thead>
<tr>
<th>Assessment Item and Their Value</th>
<th>Assessment Item</th>
<th>How Many?</th>
<th>% of Final Grade</th>
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</thead>
<tbody>
<tr>
<td>Exams</td>
<td>7</td>
<td>70%</td>
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<tr>
<td>Quizzes</td>
<td>12</td>
<td>15%</td>
<td></td>
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<tr>
<td>Homework/Exercises</td>
<td>10</td>
<td>10%</td>
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<tr>
<td>Writing Projects</td>
<td>2</td>
<td>5%</td>
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</table>
A letter grade will be assigned based on a standard distribution of points. Your final grade will be calculated by summing your scores on the above criteria and a letter grade will be assigned based on the following grading distribution.

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<thead>
<tr>
<th>Grade</th>
<th>Percent (%)</th>
<th>Grade</th>
<th>Percent (%)</th>
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<tbody>
<tr>
<td>A+</td>
<td>100 – 97.5</td>
<td>C</td>
<td>77.4 – 72.5</td>
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<tr>
<td>A</td>
<td>92.5 – 97.4</td>
<td>C-</td>
<td>70.0 – 72.4</td>
</tr>
<tr>
<td>A-</td>
<td>90.0 – 92.4</td>
<td>D+</td>
<td>69.9 – 67.5</td>
</tr>
<tr>
<td>B+</td>
<td>89.9 – 87.5</td>
<td>D</td>
<td>67.4 – 62.5</td>
</tr>
<tr>
<td>B</td>
<td>87.4 – 82.5</td>
<td>D-</td>
<td>60.0 – 62.4</td>
</tr>
<tr>
<td>B-</td>
<td>80.0 – 82.4</td>
<td>F</td>
<td>&lt; 60%</td>
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<tr>
<td>C+</td>
<td>79.9 – 77.5</td>
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**Exams & Challenge Exams:** Each Learning Module ends with a 40-min, in-class examination (seven in all). They may consist of multiple choice, short essay, and/or computational questions. The exams are meant to assess your knowledge of the statistical concepts and calculations covered during a given module. More specifically, there are typically three to seven learning objectives for each module (see Course Schedule below). These learning objectives represent the concepts and abilities you should have mastered by the end of that module. Module exam questions will be constructed to assess your understanding and/or abilities for each of these objectives.

You are required to bring the following to each exam:
- #2 pencil with an eraser
- Calculator (cell phones will NOT be allowed)
- Your textbook or photocopies of the relevant statistical tables
- An 882-E Scantron form

There will be NO scheduled makeup exams. Make-up exams will only be given under special circumstances (e.g., written medical excuse, prior approval by the instructor, etc.). If deemed necessary, a single make-up exam will be given at the instructor’s convenience and discretion. Any student that fails to contact the instructor by the next class meeting following the missed exam forfeits their eligibility to take a make-up exam.

**Challenge Exam.** My goal as an educator is for you to learn the concepts that make up the content of this class. With that in mind, I let my students “challenge” a one of their exam grades. This is meant to recognize and reward your efforts to continue learning…even after the exam has passed. A challenge exam is a second, new exam on a previously covered topic. Here are the rules:
1. You can challenge a maximum of one exam
2. The challenge exam score replaces your first exam score (better or worse!)
3. You cannot challenge an exam that you missed (i.e., this is not a make-up)
4. All challenge exams will be given during the Final Exam period
5. You must declare which exam you will challenge by the specified date
**Quizzes/HomeWork Sets:** The quizzes are meant to stimulate your reading of the text and to help you self-assess your knowledge of the concepts covered in each chapter. Staying on track with the reading is critical and will greatly facilitate your understanding of the terminology and many concepts addressed in the course. All quizzes will be multiple-choice and will be based on the assigned readings.

Each quiz will be available online during a specific window of time using the Desire2Learn system. You can begin a quiz as soon as it becomes available, but you must save and submit your answers prior to the due date/time to receive credit. Once the online availability period has expired, a quiz cannot be submitted unless prior arrangements have been made with the instructor. Finally, each quiz can be taken up to two times with the highest of the two scores counting toward your grade. This should allow you to identify areas of weakness in your understanding (attempt 1) and strengthen those areas before any final points are assigned (attempt 2).

Homework sets and exercises will also be assigned throughout the semester. This material will be available for download from the course web site, but will be handed-in at the beginning of class according to the Course Schedule below. Late homework and exercises will have 10% deducted from the total points earned for each class meeting they are late. Homework and exercises will not be accepted beyond seven calendar days from their due date unless other arrangements have been made with the instructor.

**Papers:** While I am committed to teaching you how to calculate statistics, I am particularly interested in you developing the skills of interpreting and discussing the meaning of the statistics you have calculated, i.e., tell me what the numbers mean! To that end, the writing projects in this class will serve three specific functions:

1. Teach you how to communicate statistical findings and interpretations (Project 1).
2. Allow you to demonstrate your proficiency in written communication (Project 2).
3. Fulfill the GE requirement of writing a minimum of 500 words in a manner appropriate to quantitative analysis.

I will be discussing the details of these writing projects as their dates grow closer. Suffice to say that the reports will be at least 250-500 words in length (typed, double-spaced, 12-point font, 1” margins) and will include at least one graph or table (software generated). Correct grammar, punctuation, and statistical style (as described in the *Publication Manual of the American Psychological Association*, 6th ed.) are expected and will represent a portion of your grade on the assignment. All papers will be subject to plagiarism evaluation using Turnitin.com.

**University Policies**

**Academic integrity**

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University’s Academic Integrity policy](http://www.sjsu.edu/senate/S07-2.htm), located at http://www.sjsu.edu/senate/S07-2.htm, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct.
and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/studentconduct/.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy S07-2 requires approval of instructors.

**Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the Disability Resource Center (DRC) at http://www.drc.sjsu.edu/ to establish a record of their disability.

**Resources for Success**

**Student Technology Resources**

*SPSS Software:* You will find a brief introduction to SPSS in your textbook. You may also consult the Instructional Student Assistants (ISA) in the Statistics Laboratory in DMH 350. Additionally, information on using SPSS is available online. There are several avenues for gaining access to the SPSS software:

1. The University Help Desk, located on the first floor of Clark Hall in room 102, sells install media for $15 for either Mac or Windows. You must provide a photo ID and a tower card at the time of purchase.
2. The Statistics Laboratory in DMH 350 during the posted office hours
3. SJSU Student Computer Service (SCS) provides eligible SJSU borrowers with laptop equipment and software for use inside the King Library (see http://www.sjlibrary.org/services/computers/equipment.htm for more information).

**Learning Assistance Resource Center**

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. The Center's tutors are trained and nationally certified by the College Reading and Learning Association (CRLA). They provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group, individual, and drop-in tutoring are available. Please visit the LARC website for more information at http://www.sjsu.edu/larc/.
SJSU Writing Center

The SJSU Writing Center is located in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. Our writing specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all disciplines to become better writers. The Writing Center website is located at http://www.sjsu.edu/writingcenter/about/staff/.

Peer Mentor Center

The Peer Mentor Center is located on the 1st floor of Clark Hall in the Academic Success Center. The Peer Mentor Center is staffed with Peer Mentors who excel in helping students manage university life, tackling problems that range from academic challenges to interpersonal struggles. On the road to graduation, Peer Mentors are navigators, offering “roadside assistance” to peers who feel a bit lost or simply need help mapping out the locations of campus resources. Peer Mentor services are free and available on a drop-in basis, no reservation required. The Peer Mentor Center website is located at http://www.sjsu.edu/muse/peermentor/.

Student Success and Wellness

Attending to your wellness is critical to your success at SJSU. I strongly encourage you to take advantage of the workshops and programs offered through various Student Affairs Departments on campus such as Counseling Services, the SJSU Student Health Center/Wellness & Health Promotion Dept., and Career Center. See http://www.sjsu.edu/wellness or http://www.sjsu.edu/counseling/Workshops/ for workshop/events schedule and links to many other services on campus that support your wellness! You may go to http://events.sjsu.edu to register for any one of the workshops.
<table>
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<tr>
<th>Dates</th>
<th>Learning Modules</th>
<th>Learning Objectives (You should…)</th>
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<tbody>
<tr>
<td>Aug/23</td>
<td>Fear and Loathing in Statistics</td>
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<tr>
<td><strong>Module 1 – Data: What is it and how can we organize it?</strong></td>
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| Aug/28 – Sep/06 (4 classes) | Statistical Concepts:  
• Introduction to Statistics  
• Frequency Distributions  
Learning Aids:  
• Gravetter & Wallnau, Chapters 1 & 2  
• Homework 1 & 2  
Learning Assessments:  
• In-class “Learning Checks”  
• Online quizzes 1 & 2  
Module Assessment:  
• Module exam 1 (Sep. 8th) | 1. …be familiar with the terminology and special notation of statistical methods.  
2. …understand the purpose of statistics.  
3. …understand and compute basic mathematical operations.  
4. …understand the concept of a frequency distribution.  
5. …be able to organize data into a frequency distribution table and graph.  
6. …understand that most population distributions are drawn as smooth curves showing relative proportions.  
7. …be able to identify the shape of a distribution. |
| **Module 2 – Tools for describing and summarizing our data** |
| Sep/11 – 20 (4 classes) | Statistical Concepts:  
• Central Tendency  
• Variability  
Learning Aids:  
• Gravetter & Wallnau, Chapters 3 & 4  
• Homework 3 & 4  
Learning Assessments:  
• In-class “Learning Checks”  
• Online quizzes 3 & 4  
Module Assessment:  
• Module exam 2 (Sep. 20th) | 1. …understand the purpose of measuring central tendency.  
2. …be able to define and compute each of the three measures of central tendency.  
3. …understand how the mean is affected when a set of scores is modified.  
4. …understand the circumstances in which each of the three measures of central tendency is appropriate.  
5. …understand the general purpose for measuring variability.  
6. …understand the concept of standard deviation as measuring the standard distance from the mean.  
7. …be able to calculate SS (sum of squared deviations), variance, and standard deviation for a sample and for a population. |
| **Module 3 – What was the chance of me ending-up here?** |
| Sep/25 – Oct/04 (4 classes) | Statistical Concepts:  
• Z-scores  
• Probability  
Learning Aids:  
• Gravetter & Wallnau, Chapters 5 & 6  
• Homework 5 & 6 | 1. …understand that a z-score provides a precise description of a location in a distribution.  
2. …be able to transform X values into z-scores, and transform z-scores into X values.  
3. …understand and be able to describe the effects of standardizing a distribution by transforming the entire set of X values into |
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<th>Dates</th>
<th>Learning Modules</th>
<th>Learning Objectives (You should…)</th>
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<tr>
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<td><strong>Learning Assessments:</strong></td>
<td><strong>Module Assessment:</strong></td>
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<tr>
<td></td>
<td>- In-class “Learning Checks”</td>
<td>- Module exam 3 (Oct. 4\textsuperscript{th})</td>
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<tr>
<td></td>
<td>- Online quizzes 5 &amp; 6</td>
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<td><strong>Module Assessment:</strong></td>
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<td>- Module exam 3 (Oct. 4\textsuperscript{th})</td>
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<td>Oct/09 – 23</td>
<td><strong>Statistical Concepts:</strong></td>
<td><strong>Module 4 – Testing our inferences about the world</strong></td>
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<tr>
<td>(5 classes)</td>
<td>- Probability and Samples</td>
<td>1. …be able to define the distribution of sample means.</td>
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<td>- Hypothesis Testing</td>
<td>2. …be able to, for a specific sampling situation, describe the distribution by identifying its shape, the expected value of M, and the standard error of M.</td>
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<td>3. …should understand that each sample mean, M, has a location in the distribution of sample means that can be described by a z-score.</td>
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<td>4. …be able to determine probabilities corresponding to specific sample means using the concepts above.</td>
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<td>5. …understand the logic of hypothesis testing.</td>
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<td>6. …be able to conduct a hypothesis test (including directional tests) using a z-score statistic and make a statistical decision.</td>
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<td>7. …be able to define and differentiate Type I and Type II errors.</td>
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<td>Oct/25 –</td>
<td><strong>Statistical Concepts:</strong></td>
<td><strong>Module 5 – Our first set of tools for testing</strong></td>
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<tr>
<td>Nov/08</td>
<td>- The t Statistic</td>
<td>1. …be able to perform a hypothesis test using the t statistic.</td>
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<tr>
<td>(5 classes)</td>
<td>- t Test for Independent Samples</td>
<td>2. …understand the structure of a research study that produces data appropriate for an independent- AND repeated-measures t tests.</td>
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<td>- t Test for Related Samples</td>
<td>3. …be able to use the independent- AND repeated-measures t statistics to test hypotheses about the mean difference between treatment conditions.</td>
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<td>4. …understand the relative advantages and disadvantages of repeated-measures studies compared to independent-measures studies.</td>
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<tr>
<td>Dates</td>
<td>Learning Modules</td>
<td>Learning Objectives (You should…)</td>
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<tr>
<td>Nov/13 – 27</td>
<td>Statistical Concept:</td>
<td>1. …understand the basic purpose for analysis of variance and the general logic that underlies this statistical procedure.</td>
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<tr>
<td>(4 classes)</td>
<td>• Analysis of Variance (ANOVA)</td>
<td>2. …be able to perform an analysis of variance to evaluate the data from a single-factor, independent-measures research study.</td>
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<td>Learning Aids:</td>
<td>3. …understand when post tests are necessary and the purpose that they serve.</td>
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<tr>
<td></td>
<td>• Gravetter &amp; Wallnau, Chapter 13</td>
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<td></td>
<td>• Homework 10</td>
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<td>Learning Assessments:</td>
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<td>• In-class “Learning Checks”</td>
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<td>• Online quizzes 11</td>
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<td>Module Assessment:</td>
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<td></td>
<td>• Module exam 6 (Nov. 27&lt;sup&gt;th&lt;/sup&gt;)</td>
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<tr>
<td>Note:</td>
<td>No Class on Nov. 22&lt;sup&gt;nd&lt;/sup&gt; – Thanksgiving Holiday</td>
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<td>Module 7 – Predictable relationships</td>
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<td>1. …understand the Pearson correlation and what aspects of a relationship it measures.</td>
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<tr>
<td>Nov/29 – Dec/06</td>
<td>Statistical Concepts:</td>
<td>2. …be able to compute the Pearson correlation using either the definitional or computational formula for SP.</td>
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<tr>
<td>(3 classes)</td>
<td>• Correlation and Regression</td>
<td>3. …be able to use a sample correlation to evaluate a hypothesis about the correlation for the general population.</td>
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<td>Learning Aids:</td>
<td>4. …recognize the general form of a linear equation and be able to identify its slope and Y-intercept.</td>
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<td></td>
<td>• Gravetter &amp; Wallnau, Chapter 15</td>
<td>5. …be able to compute the linear regression equation for a set of data.</td>
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<td>• Writing Project 2</td>
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<td>Learning Assessments:</td>
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<td>• In-class “Learning Checks”</td>
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<td>• Online quizzes 12</td>
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<td>Module Assessment:</td>
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<td>• Module exam 7 (Dec. 6&lt;sup&gt;th&lt;/sup&gt;)</td>
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<tr>
<td>Challenge</td>
<td>Challenge Exam</td>
<td>Thursday, December 13&lt;sup&gt;th&lt;/sup&gt;, 2:45 – 5:00 pm in DMH 164</td>
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<td>Exam</td>
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<td>Note: You must identify the exam you wish to challenge (if any) in an email to me no later than 5:00 pm on Thursday, December 6, 2012</td>
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