PSY 2073 Statistics for Psychology

Fall 2020 (COVID-19)

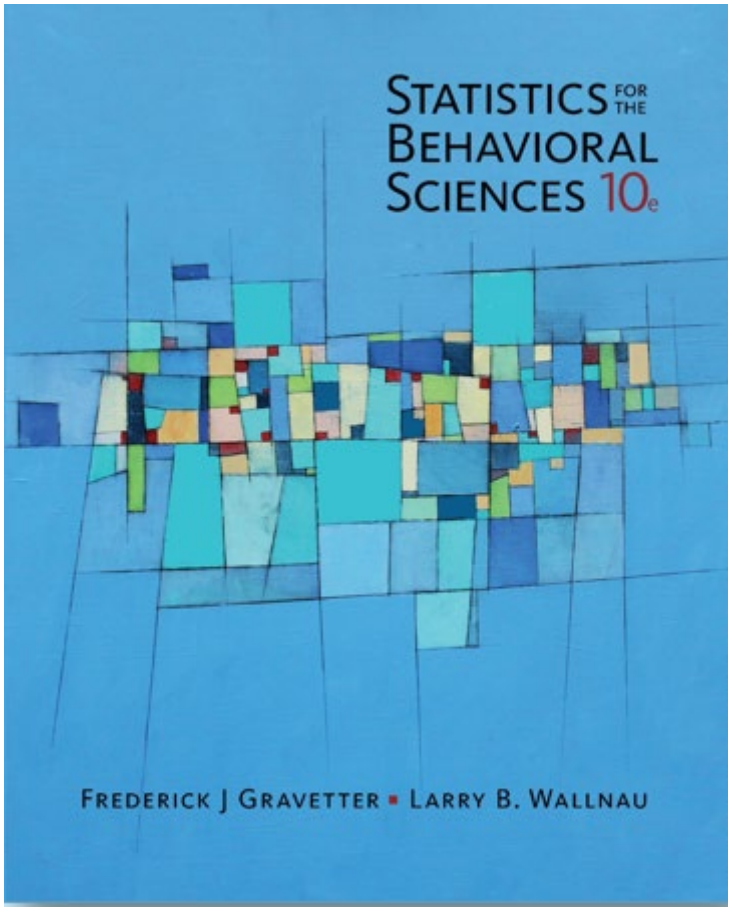
Course Information

Class Meeting Place: Asynchronous session
Class Meeting Time: Recorded lecture
Class session: 004

Instructor: Dr. Nan Wang

E-mail: nan.wang@utsa.edu
Office: MH 4.02.26
Office Hours: Mon &Wed; 12:00pm – 1:30pm

Textbook: *Statistics for the Behavioral Sciences*, by F. J. Gravetter and L. B. Wallnau (Required)



Course Objectives: This course will help the student develop a basic understanding of descriptive and inferential statistical techniques that are common practices in the field of psychology. Students will obtain practices in using EXCEL to conduct certain statistical analysis. The use of Calculator is optional.

Prerequisite: MAT 1063 (College Algebra) or one psychology course.

Topics

- Frequency distribution, Percentiles, Central tendency
- Variability, z-score, probability
- Sampling distribution
- Hypothesis testing
- One-sample t-test; two-sample t-test
- Analysis of variance (ANOVA)
- Correlation
- Intro to linear regression

Grading: There will be 5 homework assignments, 3 midterms and 1 final exam. The proportion of each part for the weighted final score is as follows:

- Homework: (15%); 10 points/each
- Midterms: (45%); 100 points/each
- Final exam: (40%); 100 points

Grading Scale:
Weight score = Homework * 15% + Midterms * 45% + Final * 40%

- A = 91 to 100
- A- = 86 to 90 points
- B+ = 80 to 85 points
- B = 75 to 79 points
- C = 70 to 74 points
- D = below 69

Lecture materials: I will upload lecture slides and recorded lecture videos to Blackboard on weekly basis and you can learn from them at your own pace. To know more about the topics in each week, please see the Tentative Schedule (Page 4)

Homework: The homework problems will be delivered through Blackboard. The homework must be neatly written or preferably typed. You can work with other students, but each student must independently finish his/her own solutions. Please turn in your work by due date. **No late homework!**

Exams: Both the midterms and final exam will be held through Blackboard and all you need to do is to click for the right answers or type your answers in the question box. The format of the exam includes multiple choice and short-answer questions. On average, you will have 7 days to finish it in one attempt.

Office hours: The office hour for this class is set on each Monday and Wednesday from 12:00 pm to 1:30 pm. If you have any questions about the lectures or homework, please feel free to let me know. We will use zoom for the office hour. I will email my zoom account through the course announcement at the beginning of the semester.

ATTENDANCE AND INSTRUCTOR INTIATED DROPS

This course uses instructor-initiated drops for students who exceed the absence/missed assignment limit. Therefore, up to the last day for students to withdraw from an individual course, Monday, October 26 *for Fall 2020*, you will be dropped for exceeding the following absence and/or missed assignment limits: 3 of the first 6 classes; > 50% of classes, thereafter (i.e., 4 of 7 classes, 5 of 8 classes, etc.). Attendance in the course will be taken and recorded by attendance sheets. *It is the student's responsibility to document their attendance* in this course by being present when the attendance sheet is read. Students will receive at least one courtesy warning when approaching the absence/missed assignment limit. Notification will be sent via ASAP to the student's preferred email address. A subsequent absence or missed assignment will result in being dropped from the course. Notification of being dropped will also be sent via ASAP to the student's preferred email address. *This drop does not affect enrollment in other courses.*

After consultation with the instructor, you may appeal the drop to the Associate Dean, College for Health, Community & Policy, MH 4.01.23 using the Course Reinstatement Petition available at the College office, Department offices, and on the Registrar's website utsa.edu/registrar/forms.html. You must appeal the drop **within 3 business days** from the date the notification was sent. *An appeal will be upheld and the student reinstated into the course only when the student provides compelling evidence that the instructor's attendance or missed assignment record is in error.* Once an appeal is filed the student will be allowed to attend the course until the appeal is adjudicated. The Associate Dean must inform the student of his or her decision within three business days of receiving the appeal. Students will be sent email notice to their preferred email address informing them of the decision.

Miscellaneous Issues:

Extra Credit:

No extra credit is available for this course on an individual basis. However, at my discretion, class-wide extra credit may be given to supplement course material. It would not be wise to count on many of these assignments being available, nor on them counting for a significant number of points.

Blackboard / WebCT Page:

Copies of homework assignments, practice test problems, answer sheets, and access to other information sites that may be used for homework assignments or your general edification are located on WebCT/Blackboard.

Student Initiated Drops:

While students will eventually be dropped from this class if they stop attending, but they will not be automatically dropped for poor performance. I typically try to have two exams prior to the drop date so that students may gauge their performance. IF YOU ARE *NOT* PERFORMING SATISFACTORILY ON ONE OR BOTH OF THE FIRST TWO EXAMS, PLEASE CONSIDER YOUR OPTION OF DROPPING THE COURSE WITH AN AUTO-W BEFORE IT IS TOO LATE. IT IS YOUR RESPONSIBILITY TO IDENTIFY, KNOW, AND ACT BEFORE ANY DROP DATES APPLICABLE TO YOURSELF. Deadlines can be found on the UTSA website under academic calendars.

Replacement of Grades:
In the *past*, Students who received a D or an F could retake courses and have the grades replaced for purposes of computing their grade point average. That is, the D or F would remain on the transcript, but would not be counted in one's GPA if the student made a better grade in a subsequent semester. HOWEVER, THIS POLICY SEEMS TO CONSTANTLY CHANGE, HENCE, MAKE SURE YOU KNOW WHETHER THIS IS AN OPTION FOR YOU BY CHECKING YOUR CATALOGUE AND BY TALKING WITH YOUR COUNSELOR. If you are not eligible, PLEASE PAY ATTENTION TO THE AUTO-W DATE.

Disabilities:
Instructional support services, including registration assistance and equipment, are available to students with documented disabilities through the Office of Disabled Student Services (DSS), MS 2.03.18. Students should contact DSS at 458-4157 to arrange to access these services if they are needed.

University Policies: University policy does not permit visitors in a class. In addition, university policy does not permit faculty or office staff to report grades by telephone, fax, or email. If you want to know your grade, you must talk to the instructor. In addition to the above information, students are responsible for understanding more general information common to all syllabi at UTSA, which can be found at: http://provost.utsa.edu/syllabus.asp

General UTSA Information—including information on scholastic honesty and more.

Students are expected to abide by the University code of conduct in all matters regarding scholastic honesty. These policies can be found at: http://utsa.edu/syllabus

Tentative Schedule

Week	Topics	Readings/Videos	Work	Due
1 8/24, 8/26	Overview; Experimental Design; Summation Notation;	Chapter 1		
2 8/31, 9/2	Frequency distributions and Graphs;	Chapter 2	Hw1	
3 9/9	Percentile and Percentile ranks; Central tendency	Chapter 3		Hw1 due
4 9/14, 9/16	Variability	Chapter 4	Hw2	Midterm I
5 9/21, 9/23	z-score	Chapter 5		
6 9/28, 9/30	Probability	Chapter 6	Hw3	Hw2 due
7 10/5, 10/7	Sampling distribution of Sample Means;	Chapter 7		
8 10/12, 10/14	Hypothesis testing	Chapter 8		Hw3 due
10 10/19, 10/21	t-test introduction	Chapter 9	Hw4	Midterm 2
11 10/26, 10/28	One sample t-test	Chapter 9		
12 11/2, 11/4	Two sample t-test	Chapter 10,11		Hw4 due
13 11/9, 11/11	Analysis of Variance One-way ANOVA	Chapter 12	Hw5	
14 11/16, 11/18	Two-way ANOVA	Chapter 13,14		Midterm 3
15 11/23, 11/25	Correlation	Chapter 15		Hw5 due
16 11/30, 12/2	Intro to Regression	Chapter 16		
17 12/7 – 12/11	Final exam (comprehensive)			