Please, click on the following link to access A&M-Commerce Covid 19 Information, https://new.tamuc.edu/coronavirus/

SOC 332: 01B and 01L: Methods of Statistical Analysis

COURSE SYLLABUS: Spring 2026
Lecture: M/W 12 to 12:50 BA 258
Lab: W 2-2:50 EDS 103

INSTRUCTOR INFORMATION

Instructor: Dr. Nicole Farris, Professor
Office Location: Ferguson Room 218
Office Hours: M/W 1 to 2p; Online T 9a to 12; By appt
Office Phone: 903-886-5332
Office Fax: 903-886-5330
University Email Address: Nicole.Farris@tamuc.edu
Preferred Form of Communication**:** Email
Communication Response Time: 24-48 Hours, Monday through Friday, 8am to 5pm

Teaching Assistant: Makenna Eckstein
University Email Address: meckstein@leomail.tamuc.edu
Office Location: Ferguson Room 219

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) **Required**: Caldwell, Sally. 2012. Statistics Unplugged. Cengage. ISBN: 978-0840029430
Calculator **Required**: The Texas Instruments TI 30 X II S (About 13 dollars at Wal Mart)

The *syllabus/schedule are subject to change.*

This is the best calculator I've found for our needs for this class. It is easy to use and maintains batteries well. No cell phone calculators are allowed.

Course Description

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SOC 332 - Mthds of Stat Analys
Hours: 4
Mthds of Stat Analys. Four semester hours. (3 lecture, 1 lab) This course provides an in-depth introduction to descriptive and inferential statistics that are especially appropriate in quantitative analysis used in the social sciences (including t tests, z scores, regression, measures of central tendency, etc.). Setting up data files, manipulating variables and running statistical programs using SPSS (Statistical Package for the Social Sciences) are integral components of the course. Prerequisites: Sociology 1301, and 331 or SWK 350, and MATH 1314 or 1324 or 179.

Sociology 331 introduces students to the basic conceptual foundations of social science research. That course involved only very basic principles of social statistics. This course is different. Here, we will rely more heavily on the math that is required to allow students to obtain a basic working knowledge of inferential statistics. We will use a hands-on approach to introduce students to significance testing through the use of simple t-tests, chi-square, and regression. The course will emphasize formal statistical computations and quantitative data analysis. In addition to required readings and class discussions, students will become familiar with social science research methods through weekly assignments involving the secondary analysis of existing data from the General Social Survey and other datasets using SPSS data analysis software.

Instructional Methods

Main Course Meetings: Students are required to attend their registered course meetings (T/Th 9:30 am) where the method of instruction will consist of a combination of lectures,
discussions, and statistical demonstrations.

Lab Sessions: Lab is a required part of this course. You must sign up for one the lab session. So, you will attend lecture twice (M/W) a week and you will attend your lab once a week. **Lab will not meet the first week of the term.** You are expected to attend all required lab sessions. The lab time will be utilized for the completion of lab assignments, quizzes, homework assistance, and reviewing of course concepts. You are responsible for registering for one of the scheduled lab times. Students will also have various assignments that will be given out during the lab times, which will be calculated into their final grade for the course. *If you are absent during a lab time when*

one of the aforementioned assignments is given, you will be only allowed to make up a missed assignment within one week of the due date, subject to a 10% penalty.

Student Learning Outcomes (Should be measurable; observable; use action verbs)

The purpose of the course will be to gain a basic understanding of statistical analysis procedures. By the end of this course students should be able to demonstrate knowledge in:

1. Statistical Theory and Content: Students will be able to sufficiently synthesize theoretical knowledge in Social Statistics. Addressed via: Exams/In Class Assignments
2. Research Methods: Students will be able to sufficiently synthesize research knowledge. Addressed via: Exams/In Class Assignments
3. Measures of Central Tendency/Probability Normal Distribution/Population Parameters/Sample Statistics: Addressed Via: Laboratory Assignments
4. Increase of over all knowledge of statistics: Addressed via: Pre/Post Test

Student Responsibilities or Tips for Success in the Course

Do the reading ahead of time: Reading about a definition or issue and then hearing about it in class will help to cement your knowledge of the definition or issue. This will be very beneficial when it comes time to study for your exam. I will deliver the lecture material under the assumption that you have already read the assigned chapter for the week.

Take Notes: I will use a lecture style presentation for this class, however this will not all-inclusive. I will provide a powerpoint for you to follow along with, but I will be calculating, by hand, examples on the board as well as writing down relevant information.

Face Your Fears: Ask questions in class. I do realize that this can be hard, especially in a large class. However, asking questions is the only way to find out information you want to know, and it is likely that your classmates may have the same question.

Make Yourself Known: Showing an interest and letting me know you have an interest will help you understand the material, and help me understand you. Talk to the instructor! If you have a situation arise during the semester that will impede your ability to succeed in the class, COME TALK TO ME SOONER RATHER THAN LATER. I will be better equipped to help you in whatever way I can the sooner you talk to me. If you wait until the very last minute, my hands will likely be tied and my options will be more limited as far as help is concerned.

Practice, Practice, Practice: Practicing the statistical computations is the best way to learn. I encourage you to do the practice problems at the end of each chapter and I will also give you problems to work on at your own discretion.

Communication and Support:

I prefer communication via email and I will respond to email within 24 to 48 hours, between normal
business hours of 8am to 5pm. Please be sure that when you email me, you use a proper greeting (Dr. Farris, Professor Farris, Instructor Farris), an email body, and an appropriate closing. You should never send an email with just an attachment and no email body. Be sure you have an appropriate and informative subject line and include the name and section of the course you are enrolled in.

We (myself and the Teaching Assistant) will try to get assignments and exams graded and handed back in a timely manner. Should you have any questions/comments/concerns about your grades, you will need to first speak to the Teaching Assistant. If you are unable to reach a satisfactory conclusion, then you can speak with me regarding your grades. If you are unable to reach a satisfactory conclusion with me, then you can speak to the department head.

GRADING

Final grades in this course will be based on the following scale:

Final grades in this course will be based on the following scale of 300 total points:

A = 270-300 points
B = 240-269 points
C = 210-239 points
D = 180-209 points
F = 179 or less points

Assessments

Assignment	**SLO Addressed**	**Points**
Mini Exams (5@30 points)	1;2;3	150
Final Exam (Comprehensive)	1;2;3;4	75
Assignments/Labs (10)	1;2;3	75
Total Points		**300**

TECHNOLOGY REQUIREMENTS

The *syllabus/schedule are subject to change.*

LMS
All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool
https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT
If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support
If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

https://community.brightspace.com/support/s/contactsupport

COURSE AND UNIVERSITY PROCEDURES/POLICIES
Course Specific Procedures/Policies

The *syllabus/schedule are subject to change.*

You are expected to attend all class meetings. Many students find their first statistics course difficult, due in part to the fact that the material presented in class is not material you have heard before. It is in your best interest to attend class regularly and engage in active learning. If you are absent, YOU are responsible for obtaining any information that was discussed in class. I will not give out my notes if you are absent. Please make every effort to arrive at class on time, as a late arrival disturbs your classmates and myself. Late work will only be accepted up to one week after the due date, subject to a 10% penalty. **Make up exams will be given on the date of the final exam or independently with Makenna.**

In but rare cases, there is no extra credit for the course**. It is your responsibility to keep up with your grades and your progress in the class. I will not change grades at the end of the semester, so please do not email me asking if you can do anything for a better grade. Keep up with your work during the semester.**

Syllabus Change Policy
The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.
University Specific Procedures
Student Conduct
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
https://inside.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf.

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:
https://www.britannica.com/topic/netiquette

TAMUC Attendance
For more information about the attendance policy please visit the Attendance webpage and Procedures 13.99.99.R0.01
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

Academic Integrity
Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03
Undergraduate Student Academic Dishonesty Form

The *syllabus/schedule are subject to change.*

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf

Graduate Students Academic Integrity Policy and Form

Graduate Student Academic Dishonesty Form

https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10.pdf

Students with Disabilities-- ADA Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Velma K. Waters Library Rm 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu

Website: Student Disability Services

https://www.tamuc.edu/student-disability-services/

Nondiscrimination Notice
Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement
Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.
For a list of locations, please refer to the Carrying Concealed Handguns On Campus

document and/or consult your event organizer.
Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health
The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Mental Health and Well-Being
The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.

http://telusproduction.com/app/5108.html

AI use policy [Draft 2, May 25, 2023]
Texas A&M University-Commerce acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.
Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).
Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.
In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.
13.99.99.R0.03 Undergraduate Academic Dishonesty
13.99.99.R0.10 Graduate Student Academic Dishonesty

COURSE OUTLINE / CALENDAR

Tentative and Subject to Change
Note: All online assignments are due Sundays at 11:59pm unless otherwise noted
All lab assignments are due at the end of lab unless otherwise noted
Remember Lecture is M/W and Lab is only on W

Week	Topic	Read	Assignments	Due Date
1: 1/12 NO LAB	Syllabus/Intro	Caldwell Ch 1	Syllabus Quiz (5pts)	1/18 (online)
2: 1/19	MLK DAY OFF Review/Data	Caldwell Chs 1/2	Pre Test (5 pts)	1/21 (in lab)
3: 1/26	Distribution/Data	Caldwell Chs 2/3	Calculator Purchase (5pts)	1/28 (in lab)
4: 2/2	NO CLASS 2/2 Data/Normal Curve	Caldwell Chs 3/4	Classroom Contribution (10pts)	2/4 (in lab)
5: 2/9	Normal Curve/4 Concepts	Caldwell Chs 4/5	Mini-Exam 1 Chs 1/2 (30 pts)	2/11 (in lab)
6: 2/16	NO CLASS 2/16 4 Concepts/CI	Caldwell Chs 5/6	Classroom Contribution (10pts)	2/18 (in lab)
7: 2/23	CI	Caldwell Chs 6/7	Mini-Exam 2 Chs 3,4,5 (30 pts)	2/25 (in lab)
8: 3/2	Hyp Testing (Single Sample)	Caldwell Chs 7/8	Classroom Contribution (10 pts)	3/4 (in lab)
9: 3/9	**SPRING**	**BREAK**	**NO**	**CLASS**
10: 3/16	Hyp Testing (Two Samples)	Caldwell Chs 7/8	Classroom Cont. (10pts)	3/18 (in lab)
11: 3/23	Hyp Testing Wrap Up/Chi Square	Caldwell Chs 7/8/Ch 11	Mini Exam 3 Chs 6, 7, 8 (30 pts)	3/25 (in lab)

The *syllabus/schedule are subject to change.*

12: 3/30	Chi Square/ Regression	Caldwell Ch 11/Ch 12	Classroom Contribution (10 pts)	4/1 (in lab)
13: 4/6	Regression	Caldwell Ch 12	Mini Exam 4 Chs 11, 12 (30 pts)	4/8 (in lab)
14: 4/13	SPSS In Class	SPSS	Classroom Contribution (5 pts)	4/15 (in lab)
15: 4/20	SPSS In Class	SPSS	Classroom Contribution (5 pts) and Post Test	4/22 (in lab)
16: 4/27	SPSS	SPSS	Mini Exam 5 (SPSS)	4/29 (in Lab)

FINAL EXAM: COMPREHENSIVE: 5/8/2026 8AM TO 10AM IN OUR CLASSROOM

The *syllabus/schedule are subject to change.*