



Criminal Justice Statistics
CJUS 5750.001
College of Health and Public Service
Department of Criminal Justice

Instructor: Jhon A. Pupo, Ph.D.

Class meeting: Thurs 1:00pm–3:50pm

Term: Spring 2026

Classroom: Chilton 270

INSTRUCTOR'S CONTACT INFORMATION

Office Location: Chilton 273G

Phone: 940-565-4971

E-mail: Jhon.Pupo@unt.edu

Office Hours: Tues 11:00am–2:00pm

COURSE DESCRIPTION

This introductory graduate-level statistics course focuses on statistical methods commonly used in criminal justice research. Topics include creating and interpreting graphical and tabular data summaries, descriptive statistics, basic probability theory, sampling distributions, hypothesis testing (t-tests, chi-square tests, and ANOVA), estimation of population parameters, confidence intervals, and correlation. An introduction to regression analysis will also be provided, supported by computer-based data analyses.

COURSE OBJECTIVES

By the end of this course, students will:

- 1) Understand common statistics used in criminal justice.
- 2) Learn to compute basic statistics appropriate for various data.
- 3) Become educated consumers of statistical information, applying classroom knowledge to everyday life and criminal justice education.
- 4) Gain proficiency in using Excel and SPSS for data management, analysis, and visualization in criminological research.
- 5) Develop a solid foundation in the mathematical skills required for criminal justice research.

COURSE PRE-REQUISITES AND/OR OTHER RESTRICTIONS

There are no pre-requisites for this course. However, you **must** be able to perform math at a college algebra level. If you struggle with this and do not seek remedial assistance, you may find this course challenging. If you have concerns about your abilities, please see me. Many errors on tests and assignments stem from basic algebra mistakes: order of operations, powers, roots, and equations. **Don't worry!** Remedial help is available, so there's no need to drop the course. Just ensure you're comfortable with these skills before we start.

COURSE MATERIALS – TEXT AND OTHER SUPPLIES

Required Materials

Bachman, R.D., Paternoster, R., & Wilson, T.H. (2022). *Statistics for Criminology and Criminal Justice* (5th Edition). Thousand Oaks, CA: Sage. ISBN: 9781544375700.

Calculator with basic arithmetic functions, square roots, and powers (A TX Instruments TI-30Xa costs <\$10).

Recommended Materials

Kranzler, J. H., & Anthony, C. J. (2022). *Statistics for the Terrified* (7th Edition). Lanham, MD: Rowman & Littlefield. ISBN: 9781538144879

Software: This course will familiarize you with SPSS, a software used for quantitative analyses in graduate education. You can access SPSS for free via UNT's Remote Software Access or purchase a temporary license for about \$50. The latest version is also available in the computer labs in Chilton 270 and 274.

Statistical Data: Various problem sets and in-class examples will use electronic datasets. These SPSS-formatted datasets will be available on the Canvas site for this class or the textbook's website.

COURSE REQUIREMENTS AND GRADING

Exams. There will be two exams, each worth 150 points. You will have the entire class period to complete the exam. If you arrive late, you will not receive extra time. If you arrive after the first completed test is turned in, you will not be eligible to take the exam (see Make-up exams). The quantitative parts of the exams will be open note/open book. While you may use your notes and text, you may not rely on your neighbor.

Make-up Exams. Make-up Exams will not be given except in cases of a university-approved documented excuse. Proper documentation is thus required for a make-up exam to be granted. In such cases, students must contact at least 24 hours prior to the exam to schedule a make-up exam. Make-up exams will be in the form of a comprehensive make-up final exam taken during final exam week.

Homework Assignments. There will be 10 homework assignments, each worth 25 points. Assignments are due at the beginning of the next class. Late submissions will incur a 5-point deduction. The two lowest homework grades will be dropped, totaling 200 points.

Written Reports. You will write 2 reports during the semester. The first report involves data management tasks with a dataset from UNT PD. The second report requires conducting a hypothesis test using a dataset of your choice. Further details will be provided later.

Extra Credit. If extra credit opportunities arise, they will be discussed in class and available to everyone. No individual extra credit opportunities will be offered.

Grading and Evaluation:

Your final grade will be based on 2 exams, 8 homework assignments, and 2 written reports.

<u>Exams:</u>	2 at 150 points each
<u>Homework Assignments:</u>	8 at 25 points each
<u>Written Reports:</u>	2 at 150 points each
Total	800 points

Grading Scale:

720 – 800 points =	A
640 – 719 points =	B
560 – 639 points =	C
480 – 559 points =	D
479 or fewer points =	F

COURSE NOTES AND RECOMMENDATIONS

- Please ensure your official UNT email is forwarded to your preferred email address to receive important updates and announcements.
- Before emailing me with a question, review this syllabus as most questions are answered here.
- The announcement board in Canvas and email will be the primary communication methods for the class. Please check the announcements section frequently.
- It is your responsibility to use a computer system compatible with Canvas.

Email Expectations: When sending an email, please put the Course Number (CJUS-5750) in the subject line of the message. I can only discuss grades with email messages sent via your Eagle Connect email account (username@my.unt.edu). You can expect to receive a response within 48 hours during the week and 72 hours on the weekend. If you have not received a response within that time, please email me back as it may have gotten lost.

COURSE POLICIES

Showing Your Work & Partial Credit. Any assignments and exams completed for this class must show all steps (i.e. all calculations). To receive any credit for an answer, all work must be shown. If you only provide the “final” answer, you will not receive credit for the answer. If I cannot read your answer, follow the steps that you have taken, and clearly see how you arrived at your answer, you will not receive credit for the answer.

Provided you have shown your work, your answer will be considered correct if it is within rounding error of the answer I have calculated on the key. Incorrect answers will receive no credit. Partial credit is not given unless a particular item shows a partial credit breakdown.

Attendance Policy. In-person class attendance is essential. It is also your responsibility. Whether or not you attend, **you** are responsible for all material delivered in class. This will probably include: deviations from the text, notification of errors in the text, rescheduled or canceled exams, etc. You can avoid many headaches by checking with a friend (or me) to see what you missed. Due to the course structure, there will **not** be the option to virtually attend class.

It is important that you communicate with the professor prior to being absent, so you and the professor can discuss and mitigate the impact of the absence on your attainment of course learning goals. Please inform the professor if you are unable to attend class meetings because you are ill, in mindfulness of the health and safety of everyone in our community. If you are experiencing any symptoms of COVID-19, please seek medical attention from the Student Health and Wellness Center or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at COVID@unt.edu for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

Authorized Absences. Absences are authorized only in cases of a university excused absence such as active military service, a religious holy day, or an official university function as stated in the [Student Attendance & Authorized Absences Policy](#). If you cannot attend a class due to an emergency, please let me know. Your safety and well-being are important to me.

Make-Up Policy. There will be no opportunities to make up any missed coursework with the exception of authorized absences according to University policies prescribing authorized absences in certain situations. I reserve the right to consider extreme circumstances and modify this rule. Students must notify me prior to missing an assignment, if possible. Those in athletics, those who are absent for religious holidays, and/or those involved in other school supported activities that require being absent from class will be allowed to make up assignments if proper procedures are followed in requesting an excused absence. I must have written

documentation in advance that you will be absent for the absence to be excused.

Student Behavior and University Policy. Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. (see <https://policy.unt.edu/policy/07-012>).

Additionally, disruptive behaviors such as arriving late, having a conversation while someone else is talking, profanity, sleeping, text messaging, using laptops/tablets for anything other than course related activities, cell phones going off during class, etc. are not acceptable. Students repeatedly engaging in any of these behaviors may be asked to leave the classroom.

Academic Dishonesty/Integrity. Students caught cheating or plagiarizing will receive a "0" for that particular assignment or exam. Additionally, the incident will be reported to the Dean of Students, who may impose further penalty. According to the UNT catalog, the term "*cheating*" includes, but is not limited to: (a) use of any unauthorized assistance in taking quizzes, tests, or examinations; (b) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (c) the acquisition, without permission, of tests or other academic material belonging to a faculty or staff member of the university; (d) dual submission of a paper or project, or resubmission of a paper or project to a different class without express permission from the instructor; or (e) any other act designed to give a student an unfair advantage.

The term "*plagiarism*" includes but is not limited to: (a) the knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment; and (b) the knowing or negligent unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Generative Artificial Intelligence. In this course, I want you to engage deeply with the materials and develop your own critical thinking and writing skills. For this reason, the use of Generative AI (GenAI) tools (ChatGPT, Gemini, etc.) is not permitted. While these tools can be helpful in some contexts, they do not align with our goal of fostering the development of your independent thinking. Using GenAI to complete any part of any exam, or coursework will be considered a violation of academic integrity, as it prevents the development of your own skills, and will be addressed according to the [Student Academic Integrity policy](#).

Office of Disability Access. UNT makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time; however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student.

Students can access resources and information regarding disability accommodations in the Academic Support tab in Canvas. For additional information see the [Office of Disability Access website](#). You may also contact them at: 940.565.4323.

Student Evaluation of Instruction. Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. This short survey will be made available at the end of the semester to provide you with an opportunity to evaluate how this course is taught.

Succeed at UNT. UNT endeavors to offer you a high-quality education and to provide a supportive environment to help you learn and grow. And, as a faculty member, I am committed to helping you be successful as a student. Here's how to succeed at UNT: Show up. Find Support. Get advised. Be prepared. Get involved. Stay focused. To learn more about campus resources and information on how you can achieve success, go to: <https://www.unt.edu/success/index>.

Syllabus Changes. I reserve the right and have the discretion to change this syllabus. While every effort will be made to follow this syllabus as closely as possible, it is sometimes the case that the syllabus must be modified. In the event that the syllabus needs to be adjusted, I will announce such adjustments to the class. I will make every effort to ensure that any changes to the syllabus benefit the class as a whole. It is the student's responsibility to check announcements/email so that any syllabus changes are documented.

Emergency Notification and Procedures. UNT uses a system called Eagle Alert to quickly notify you with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). The system sends voice messages (and text messages upon permission) to the phones of all active faculty staff, and students. Please make certain to update your phone numbers at my.unt.edu. Some helpful emergency preparedness actions include: 1) know the evacuation routes and severe weather shelter areas in the buildings where your classes are held, 2) determine how you will contact family and friends if phones are temporarily unavailable, and 3) identify where you will go if you need to evacuate the Denton area suddenly. In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records. Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. You have a right to view your individual record; however, information about your records will not be divulged to other individuals without the proper written consent. You are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the university's policy in accordance with those mandates at the following link: <https://studentaffairs.unt.edu/dean-of-students/policies/ferpa/index.html>

Additional Policies:

- Recording devices are not allowed unless specifically approved by the instructor.
- Tobacco products of any kind (including e-cigs) are not allowed in the classroom.
- Cell phones, pagers, or any other device that makes noise should be silenced before class.
- Due to liability concerns and the content of course discussions, children are not permitted in the classroom at any time.
- The material posted online is my personal intellectual property (or UNT's). You may not utilize the material for other than class purposes.

Course Calendar

[NOTE: Read the assigned reading for each day prior to coming to class]

Week	Date	Topic, Reading, & Due Assignment(s)
Week 1	1/15	Topic: Course Introduction, Purpose of Statistics, and Introduction to Data Management Reading: Chapter 1
Week 2	1/22	Topic: Levels of Measurement and Aggregation Reading: Chapter 2 Due: Chapter 1 Homework
Week 3	1/29	Topic: Understanding Data Distributions Reading: Chapter 3 Due: Chapter 2 Homework
Week 4	2/5	Topic: Measures of Central Tendency and Dispersion Readings: Chapters 4 & 5 Due: Chapter 3 Homework
Week 5	2/12	Exam 1—Chapters 1-5
Week 6	2/19	Topic: Probability, Probability Distributions, and Intro to Hypothesis Testing Reading: Chapter 6
Week 7	2/26	Topic: Point Estimation and Confidence Intervals Reading: Chapter 7 Due: Chapter 6 Homework at 1pm; Data Management Report at 11:59pm
Week 8	3/5	No Class—ACJS Annual Meeting Reading: Chapter 8 Due: Chapter 7 Homework
Week 9	3/12	No Class—Spring Break
Week 10	3/19	Topic: Hypothesis Testing for One Population Mean & Proportion Reading: Chapter 8
Week 11	3/26	Exam 2—Chapters 6-8
Week 12	4/2	Topic: Testing Hypotheses with Categorical Data Reading: Chapter 9
Week 13	4/9	Topic: Hypothesis Tests Involving Two Population Means or Proportions Reading: Chapter 10 Due: Chapter 9 Homework
Week 14	4/16	Topic: Hypothesis Tests Involving Three or More Population Means: ANOVA Reading: Chapter 11 Due: Chapter 10 Homework
Week 15	4/23	Topic: Bivariate Correlation and Regression Reading: Chapter 12 Due: Chapter 11 Homework
Week 16	4/30	Topic: Multivariate Regressions: OLS & Logistic Regression Models Readings: Chapters 13 & 14 Due: Chapter 12 Homework
Week 17	5/7	UNT Final Exam Week: Catch-up & Closing Thoughts/Remarks Due: Chapters 13-14 Homework at 1pm; Final Report at 11:59pm