

HECC 5317 Biostatistics (online) Fall 2021

Location: Online via Canvas

Instructor: Christina Tuell, EdD, CHES – Adjunct, UT Tyler
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Audience: Graduate Students

Office Hours: The instructor is available by appointment to provide help and inspiration.

Reading: There is not a required text for this course. This book is recommended if you want a better understanding of SPSS Knapp H. *Intermediate Statistics Using SPSS#*, Sage Publications, Thousand Oaks, CA., ISBN 978-1-5063-7743-8.

Catalog Description: Study of statistical analysis of basic and clinical research data.

Learning Goals: The purpose of this course is to provide theoretical and practical information and opportunities for statistical analysis. Students will learn about data, common tests, when to use them, and how to run them in various platforms.

Learning Objectives: By the end of this course, students will be able to

1. Apply appropriate statistical procedures to the different types of data and various types of research questions.
2. Understand the theoretical bases and assumptions of basic statistical procedures.
3. Apply statistical reasoning and insight toward solving research problems.
4. Use statistical software (SPSS or Excel) to manage and manipulate data in order to make meaningful information (interpretation).
5. Read, think, and write using appropriate statistical language.

*Note: Where can you access SPSS software? 1) if you are on the UT Tyler campus you can find it in practically any student-designated computer station: The library, the Business computer lab, the Nursing Computer lab, even the Health & Kinesiology Computer lab. 2) if you are off-campus, you may access it by navigating to one.uttyler.edu; then select the catalog tab; then open the Horizon icon (then go to Desktop); with this icon you may find SPSS and open/use it (analysis speed is compromised). 3) if you are off campus seriously consider renting the software to place on your computer (instructor's recommendation; you may rent from major online, rentable textbook companies, like AMAZON). If you rent, please make sure you get a decent version of SPSS (18-24) and the right format for your computer (PC or Mac).

Grading Plan

- Project 1 – 10%
- Project 2 – 10%
- Midterm Project – 15%
- Project 3 – 15%
- Project 4 – 20%
- Final Project – 20%
- Participation – 10%

Policies and Expectations

- Any material submitted to meet course requirements is expected to be a student's own work.

Late Assignment Policy: Late assignments will be accepted until the 13th week of class at a penalty of 10%-40% depending on the assignment type and how late it is.

Class Philosophy: This course takes a different approach than previous versions. The focus will be on helping you understand the importance of biostatistics and prepare you to write up about them. You will have the opportunity to run tests in Excel, SPSS or other statistical software you prefer. We will explore how to learn different software's and how to identify reliable resources.

UTT POLICIES

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>

Grade Replacement/Forgiveness and Census Date Policies

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions that students need to be aware of. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychiatric disabilities. If you have a disability, including non-visible disabilities such as chronic diseases, learning disabilities, head injury, PTSD or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the Student Accessibility and Resources office and schedule

an interview with the Accessibility Case Manager/ADA Coordinator, Cynthia Lowery Staples. If you are unsure if the above criteria applies to you, but have questions or concerns please contact the SAR office. For more information or to set up an appointment please visit the SAR office located in the University Center, Room 3150 or call 903.566.7079. You may also send an email to cstaples@uttyler.edu

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

Student Absence for University-Sponsored Events and Activities

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement:

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation:

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Academic Dishonesty:

At The University of Texas at Tyler, students and faculty are responsible for maintaining an environment that encourages academic integrity. Student and faculty members are required to report an observed or suspected case of academic dishonesty immediately to the faculty member in charge of an examination, classroom or laboratory research project, or other academic exercise.

Since the value of an academic degree depends on the absolute integrity of the work done by the student for the degree, it is imperative that the student maintains a high standard of individual honor in scholastic work. Scholastic dishonesty includes but is not limited to cheating, plagiarism, and collusion:

"Cheating" includes:

1. Copying from the paper of another student, engaging in written, oral, or any other means of communication with another student, or giving aid to or seeding aid from another student when not permitted by the instructor;
2. Using material during an examination or when completing an assignment that is not authorized by the person giving the examination or making the work assignment;
3. Taking or attempting to take an examination for another student, or allowing another student to take an examination for oneself;
4. Using, obtaining, or attempting to obtain by any means, the whole or any part of, an unadministered examination or work assignment.

"Plagiarism" includes the unacknowledged incorporation of the work of another person in work that a student offers for credit.

“Collusion” includes the unauthorized collaboration with another person in preparing written work that a student offers for credit.

Tobacco-Free Campus:

- All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors.
- Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products.
- There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.uttyler.edu/tobacco-free