GENB 2300.060 – Business Statistics Online, Spring 2026

Instructor: Dr. Elizabeth (Liz) Nesuda

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(preferred contact method)

Office Hours:
1. Optional open office hours (online) will be scheduled. Please see announcements on Canvas.
2. Available by appointment via email. Zoom meetings can be scheduled by request.

Required Materials:
- **Textbook**: Camm, J. D., Cochran, J. J., Fry, M. J., & Ohlmann, J. W. (2020). Business analytics (4th edition). Cengage Learning
- **Required Software**: Access to **Microsoft Excel**. The full Microsoft Office suite, including Excel, is available for you as a student from UT Tyler IT at https://www.uttyler.edu/it/office365/365-proplus-students.php. It is suggested that you install Excel on your computer and install the "Data Analysis" module, which is free and required for some assignments. If you use the online version of Excel
- This course requires the use of **Respondus LockDown Browser** for exams. LockDown Browser is a secure testing tool that prevents access to other websites, applications, or browser functions while an assessment is in progress. https://download.respondus.com/lockdown/download.php

Course Description:
Descriptive and inferential statistical techniques for business and economic decision making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course.

Course Objectives:
1. Describe the random processes underlying statistical studies.
2. Calculate and use probability in solving business problems.
3. Compute and interpret descriptive statistics.
4. Compute and interpret measures of central tendency and dispersion.
5. Calculate expected values to evaluate multiple outcomes of a decision.
6. Describe, interpret, and apply discrete and continuous probability distributions.
7. Construct and interpret confidence intervals for means and proportions.
8. Formulate, perform, and interpret hypothesis tests (one and two population parameters).
9. Calculate, evaluate, and interpret simple linear correlation/regression.
10. Use statistical software to graph, compute, and analyze statistical data.

Graded Course Requirements:
Letter grades will be assigned based on the scale provided. Grades will not be rounded beyond those stated below. Students are responsible for verifying that all electronic submissions are correctly uploaded. All scores will be based on what is submitted by the deadline. The possible points for each assignment are as follows:

Grade Composition:

Participation (5%)	5%
Chapter Assignment (45%)	
Excel Homework	25%
Quiz	20%
Exams (50%)	
Midterm	20%
Final	30%
Course Total	100%

Participation (5% of grade): Students should provide their own thoughts on the weekly discussion topic on Canvas **by 11:59 PM, every Sunday.** Students should make a grammatically correct post containing at least four sentences, which will be evaluated on each post's uniqueness, critical thinking, and contribution. *Late submissions will be penalized by 10% for any full or partial day late*. After the third day, zero credit will be given for any late submissions.

Chapter Assignments (45% of grade): "Chapter Assignments" is a critical part of the class, consisting of homework and quiz of each chapter. *Late submissions will be penalized by 10% for any full or partial day late up to 3 days following the due date*. Submissions will be disabled after the third day.

1. **Excel Homework (25%):** Homework problems will be assigned to help students mainly learn quantitative tools and understand business analytics deeply (due: **11:59 PM, Sunday**).
   a. You are required to turn in all assignments (**Excel files**) on Canvas. The guideline/template for assignments will be provided on Canvas. Please make sure to upload an appropriate Excel file (.xlsx or .xls). Note that an Excel file whose name starts with "~$" is a temporary file created by Excel when you open a workbook. **Do not upload** the temporary file that cannot be read in the grading system.
   b. If you **show the right process** to solve each question, you can expect to have partial points, although you provide wrong answers. **Without showing your process in Excel, you will not get full credit** even though you provided a correct answer.
   c. **Ungraded practice problems/solutions** will be provided to help students understand homework problems.
2. **Quiz (20%):** Students' learning will be also assessed by quizzes (due: **11:59 PM, Sunday**). Quizzes will be open book. Two attempts at each weekly quiz, where you receive the highest grade of the attempts made. *Late submissions will be penalized by 10% for any full or partial day late up to 3 days following the due date.* Submissions will be disabled after the third day.

Exams (50% of grade): There will be two exams – Midterm (20%) and Final (30%) with using the LockDown Browser. The exams will be in multiple choice and true/false formats. Your exams will be open book including e-books and excel sheets. However, it will be timed so it is important to prepare for them properly and in a timely manner. *Late submissions will not be accepted*.

Grading Scale: Students will be evaluated based on the grading scale below.

A	90% - 100%
B	80% - 89.9%
C	70% - 79.9%
D	60% - 69.9%

F	≤ 59.9%

Note. Final grades will not be rounded or adjusted based on proximity to these cut-points.

Course Outline/Major Topics Studied:

Week	Chapters/Topics	DB	HW Assignment	Quiz	Exams
1	*Introduction*	*5 (01/18)*		*10 (01/18)*	
2	*Excel Basic I*	*5 (01/25)*	*10 (01/25)*		
3	*Excel Basic II - Visualization*	*5 (02/01)*	*10 (02/01)*		
4	*Descriptive Statistics*	*5 (02/08)*			
5	*Descriptive Statistics*	*5 (02/15)*	*25 (02/15)*	*15 (02/15)*	
6	*Probability*	*5 (02/22)*	*25 (02/22)*	*20 (02/22)*	
7	*Midterm Exam – Due by 03/01*				*Midterm Exam: (03/01)*
8	*Statistical Inference*	*5 (03/08)*			*Spring Break March 09-13*
9	*Statistical Inference*	*5 (03/22)*	*15 (03/22)*	*20 (03/22)*	
10	*Statistical Inference II*	*5 (03/29)*			
11	*Statistical Inference II*		*15 (04/05)*	*10 (04/05)*	
12	*Linear Regression*	*5 (04/12)*			
13	*Linear Regression*	*5 (04/19)*	*25 (04/19)*	*20 (04/19)*	
14	*Study Week: Final Exam (04/20 – 04/26)*				
15	*Final Exam – Due by Thursday, 04/30*				*Final Exam: (Thursday, 04/30)*
Total		*5%*	*25%*	*20%*	*50%*

Note. Assignments are due on Sundays by 11:59 PM unless otherwise noted. Final Exam April 27 – 30; due by Thursday, April 30th at 11:59 PM.
Bold numbers before the parenthesis indicates the maximum total points.
Spring Break: March 09 – 13. Census Date: January 26, 2026.

Disclaimer: Course schedule is subject to change and you will be responsible for abiding by any such changes. Your instructor will notify you of any changes.

Grading Philosophy:

I understand that the process of receiving grades can inhibit the learning process. I endeavor to create a safe learning environment. As part of that environment, you have several opportunities to maintain a high grade in the course, including:

- Two attempts at each chapter quiz, where you receive the highest grade of the attempts made.
- All quizzes and exams are open book. However, it will be timed so it is important to prepare for them properly and in a timely manner.
- Possible bonus opportunities throughout the semester.
- Timely feedback on assignments.
- Course schedule in the Syllabus may be altered during the semester due to unforeseen circumstances.

Course Policies:

Artificial Intelligence Policy

- For GENB 2300, Business Statistics, AI is permitted only for specific assignments or situations, and appropriate acknowledgment is required. For Class Discussion Posts, you/we may leverage AI tools to support your learning and allow you to explore how AI tools can be used, or better understand their benefits and limitations. Learning how to use AI is an emerging skill, and we will work through the limitations of these evolving systems together.
- However, AI will be limited to assignments where AI is a critical component of the learning activity, in this case Warm-Up Discussions (with acknowledgement). I will always indicate when and where the use of AI tools for this course is appropriate or allowed.
- AI is NOT to be used to solve homework assignments, or the Mid-Term or Final Exams.

Class Meeting Attendance

Attendance at all online class sessions is expected for the accomplishment of course objectives. The instructor recognizes that learners may have special issues and responsibilities that may impact attendance, however regular attendance is expected. If absences occur, the learner is responsible for contacting the facilitator in advance so that adjustments can be made to the instructional activities planned for a specific session. The learner is also responsible for all work that is missed due to the absence from any class meeting, or portion thereof.

Late Work

Late chapter assignment submissions will be **accepted up to 3 days** beyond the due date listed in the Syllabus and in the Canvas module. A **late work penalty of 10 points per day** applies to late submissions, as noted earlier in the Syllabus. Submissions of **chapter assignments** and **quizzes will not be accepted**, and Canvas submission will be **disabled, after the 3rd day** following the specified due date.

No credit will be given for late exam submissions unless the learner's provider and/or UT Tyler's system prevents the student from submitting a discussion post, assignment, quiz, or exam. The student is responsible for contacting the instructor, providing evidence of the outage and submitting any missed work within 24 hours of resolution of any system outage.

University Policies and Information Highlights:

Student Resources:

- UT Tyler Counseling Center (available to all students)
- TimelyCare (24/7 access to Student Support Program counseling through phone or chat and online wellness resources available in a variety of languages)
- Military and Veterans Affairs (supports for our military-affiliated students)
- UT Tyler Patriot Food Pantry
- UT Tyler Financial Aid and Scholarships
- UT Tyler Student Business Services (pay or set up payment plans, etc.)
- UT Tyler Registrar's Office (academic information, forms library, policies, etc.)
- Office of International Programs
- Title IX Reporting
- Patriots Engage (available to all students. Get engaged at UT Tyler.)

University Policies and Information

Students may withdraw (drop) from this course using the Withdrawal Portal. Withdrawing (dropping) this course can impact your Financial Aid, Scholarships, Veteran Benefits, Exemptions, Waivers, International Student Status, housing, and degree progress. Please speak with your instructors, consider your options, speak with your advisor, and visit the One-Stop Service Center (STE 230) or email enroll@uttyler.edu to get a complete review of your student account and the possible impacts to withdrawing. We want you to make an informed decision. UT Tyler faculty and staff are here for you and often can provide additional support options or assistance. Make sure to carefully read the implications for withdrawing from a course and the instructions on using the Withdrawal portal.

Texas law prohibits students from dropping more than six courses during their entire undergraduate career*. The six courses dropped includes those from other 2-year or 4-year Texas public colleges and universities. Consider the impact withdrawing from this class has on your academic progress and other areas, such as financial implications. We encourage you to consult your advisor(s) and Enrollment Services for additional guidance. **CAUTION #1**: Withdrawing before census day does not mean you get a full refund. Please see the Tuition and

. **CAUTION #2**: All international students must check with the Office of International Programs before withdrawing. All international students are required to enroll full-time for fall and spring terms. **CAUTION #3:** All UT Tyler Athletes must check with the Athletic Academic Coordinator before withdrawing from a course. CAUTION #4: All veterans or military-affiliated students should consult with Military and Veterans Affairs.

* Students who began college for the first time before 2007 are exempt from this law.

Artificial Intelligence Statement

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy. *Refer to the About This Course section of the UT Tyler Syllabus Module for specific information on appropriate use of AI in your course(s).*

Final Exam Policy

Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the Dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members must maintain student final examination papers for a minimum of three months following the examination date.

Incomplete Grade Policy

If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in place of a grade *only when **all** of the following conditions are met*: (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all coursework or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons before the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average.
The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or college dean for approval. The time limit established must not exceed one year. Should the student fail to meet all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has yet to be assigned within one year, then the Incomplete will be changed to an F, or NC. If the course was initially taken under the CR/NC grading basis, this may adversely affect the student's academic standing.

Grade Appeal Policy

Disputes regarding grades must be initiated within sixty (60) days from the date of receiving the final course grade by filing a Grade Appeal Form with the instructor who assigned the grade. A grade appeal should be used when the student thinks the final course grade awarded does not reflect the grades earned on assessments or follow the grading scale as documented in the syllabus. The student should provide the rationale for the grade

appeal and attach supporting document about the grades earned. The form should be sent via email to the faculty member who assigned the grade. The faculty member reviews the rationale and supporting documentation and completes the instruction section of the form. The instructor should return the form to the student, even if a grade change is made at this level. If the student is not satisfied with the decision, the student may appeal in writing to the Chairperson of the department from which the grade was issued. In situations where there is an allegation of capricious grading, discrimination, or unlawful actions, appeals may go beyond the Chairperson to the Dean or the Dean's designee of the college from which the grade was issued, with that decision being final. The Grade Appeal form is found in the Registrar's Form Library.

NOTE: The Grade Appeal Form is different from the Application for Appeal form submitted to the Student Appeals Committee, which does not rule on grade disputes as described in this policy.

Disability/Accessibility Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA), the University of Texas at Tyler offers accommodations to students with learning, physical, and/or psychological disabilities. If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or a history of modifications or accommodations in a previous educational environment, you are encouraged to visit https://hood.accessiblelearning.com/UTTyler/ and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with the Assistant Director Student Accessibility and Resources/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at https://www.uttyler.edu/disability-services, the SAR office located in the Robert Muntz Library, LIB 460, email saroffice@uttyler.edu, or call 903.566.7079."

Military and Veterans

UT Tyler honors the service and sacrifices of our military-affiliated and veterans students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with your faculty member if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make your faculty member aware of any complications as far in advance as possible. Your faculty member is willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. The Military and Veterans Affairs has campus resources for military-affiliated students. The MVSC can be reached at MVSC@uttyler.edu or via phone at 903.565.5972.

Students on an F-1 Visa

To remain in compliance with Federal Regulations requirements you must do the following:

- Traditional face-to-face classes: Attend classes on the regular meeting days/times.
- Hybrid Classes: Attend all face-to-face classes convened by the instructor according to the schedule set for your specific course.
- Online course: Only one online course can count toward your full-time enrollment. Students are expected to be fully engaged and meet all requirements for the online course.

Academic Honesty and Academic Misconduct

The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do." Therefore, we enforce the Student Conduct and Discipline policy in the Student Manual Of Operating Procedures (Section 8).

FERPA

UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in UT Tyler's Policy 7.01: Family Educational Rights and Privacy Act. The course instructor will follow all requirements to protect your confidential information.

Absence for Official University Events or Activities

This course follows the practices related to Excused Absences for University Events or Activities as noted in the Catalog.

Absence for Religious Holidays

This course follows the practices related to UT Tyler's Excused Absence for Religious Holy Days as noted in the Catalog.

Absence for Pregnant Students

This course follows the requirements of Texas Laws SB 412, SB 459, SB 597/HB 1361 to meet the needs of pregnant and parenting students. Part of the supports afforded pregnant students includes excused absences. Faculty who are informed by a student of needing this support should make a referral to the Parenting Student Liaison. NOTE: Students must work with the Parenting Student Liaison in order to receive these supports. Students should reach out to the Parenting Student Liaison at parents@uttyler.edu and also complete the Pregnant and Parenting Self-Reporting Form.

Campus Carry

We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at http://www.uttyler.edu/about/campus-carry/index.php.