MATH 1342 – STATISTICS - Spring 2026

Instructor: Mr. Aaron Boateng   **Office**: RBN 4038

Office Hours: 2:00 - 3:30pm M/W in RBN 4038 or by appointment.

Emails: aboateng@uttyler.edu

Web: class page on Canvas   **Class Meeting Time**: 4:05-5:30 MW (**RBN 4027**)

Prerequisites: Appropriate score on SAT, ACT, or TSI.

Course Outline: Chapters 1-6 of the text and other chapters, in part or full, as time permits.

Student Learning Outcomes: Upon completion of this course, students should be able to:
- Explain the use of data collection and statistics as tools to reach reasonable conclusions.
- Recognize, examine, and interpret the basic principles of describing and presenting data.
- Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
- Explain the role of probability in statistics.
- Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables.
- Describe and compute confidence intervals.
- Solve linear regression and correlation problems.
- Perform hypothesis testing using statistical methods.

Attendance

Attendance is mandatory. Students are responsible for all announcements made during the lecture. Arrive on time and prepared. Silence and put away all electronic devices before class begins. Students can use a simple scientific calculator, not a graphing calculator, unless one have officially communicated accommodation.

Homework

Homework will be assigned for each class period. Completing homework is essential for preparing for quizzes and exams.

Quizzes

Weekly quizzes will usually be given each Wednesday unless it is an exam week. Quizzes cover material from the two previous class periods. The two lowest quiz scores will be dropped.

Exams

There will be two midterm exams and a final exam:
- Exam 1: Wednesday, February 11
- Exam 2: Wednesday, March 18
- Final Exam: Wednesday, April 29, 4:00 - 6:00 PM, in the usual classroom.

Grading

Scores will be posted on Canvas. Final course grades will be available on *myuttyler.edu*
The grading scale is:
- 85% or above: A
- 75%–84%: B
- 65%–74%: C
- 55%–64%: D
- Below 54%: F

The breakdown of your final course grade is:
- Quizzes: 20%
- Midterm exams: 25% each
- Final exam: 30%

Important Dates:
January 18 – Martin L. King Jr. - Holiday, no class.
January 25 – Census date. Last day to change schedule or file for grade replacement.
March 8 - 12 – Spring break
March 29 – Last day to withdraw
April 26 - 30 – Finals week

Academic Integrity

Your work must be your own. Violations will be processed according to university guidelines. Resources allowed include the textbook, class notes, assigned homework problems, and the Math Learning Center. Using the internet unethically or copying from other students constitutes a violation. Artificial Intelligence (AI) tool is not permitted in this course at all.

Contingency Plans

If face-to-face classes are suspended, quizzes and tests may be rescheduled. Online proctoring may be utilized, requiring high-speed internet, Zoom, a webcam, and a microphone.

Policies: See Policies and Required Links or the syllabus module on Canvas for many important University policies.

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 (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

For this course, all graded work must be done in person without the assistance of AI.