Statistics, MATH 1342-006
Spring 2026 Syllabus

Instructor: Betty Tran
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Course Schedule: MW from 5:40 pm - 7:05pm in Ratliff Building North RBN 04034
First class on Monday, January 12, 2026. (No class on January 19 Martin Luther King Jr. and spring break)
Course Website: Please activate your Canvas account. To do so, go to https: //www.uttyler.edu/canvas/. This is also the address to log in. If you are registered in the course, you already have access to the course.
Student hours: Thursdays 4 pm to 6 pm via zoom or by appointment arranged by email (The zoom link will be posted on Canvas announcement)
Required Materials:

(1) Textbook: Statistics, Unlocking the Power of Data, Third Edition, by the Lock family, ISBN 9781119682202, With the access code to WileyPlus (which you must have for this course) including a complete E-Text and other tools needed for this course.

(2) Functioning computer or tablet which allows you to connect to the course technologies (such as Canvas and WileyPlus) and allows you to take photos (for the purpose of digitizing written work for upload to Canvas). Many homework problems will be available online.

(3) Reliable daily internet access on your computer and other devices to view content posted in the Canvas course and to submit your work on certain assignments.

Course Description: This course is a study of measures of central tendency and dispersion, sampling, hypothesis tests and confidence intervals.
Course Prerequisites: Appropriate score on ACT, SAT STAAR, TSI completion or special permission.
Course Outline: We will cover chapters 1- 6 (possibly more if we have time)
Learning Outcomes: By the end of this course, students should be able to

(1) Explain the use of data collection and statistics as tools to reach reasonable conclusions
(2) Recognize, examine and interpret the basic principles of de scribing and presenting data
(3) Examine, analyze and compare various sampling distributions for both discrete and continuous random variables
(4) Describe and compute confidence intervals
(5) Solve linear regression and correlation problems
(6) Perform hypothesis testing using statistical methods.

Grading Policies

The grading scheme for this course will be no more harsh than

89.5% -100% A
79.5% - less than 89.5% B
69.5%- less than 79.5% C
60%- less than 69.5% D
less than 60% F

course activities	tentative due days	percentage
All homework sets	weekly (first hw due Jan 21)	12% (total)
Quizzes	per two weeks	20% (total)
Exam 1	Feb 4	16%
Exam 2	March 2	16%
Exam 3	April 6	16%
Final (cumulative)	University schedule, Wed, April 29, 7:15 pm to 9:15 pm	20%

All exams and quizzes are taken on paper during class.

Make-up Policies:
Make-ups for documented absences that are required as part of a UT Tyler obligation (e.g. athletes participating in an event, participating in a debate contest, etc) or for religious observation will be granted. For all make-ups of this type, prior notification of at least one week and documentation are required. Other make-ups are granted in only extreme cases such as hospitalization and at the sole discretion of the instructor.
Make-ups will be allowed for the following excused absences:
1. Illnesses, with a doctor's note, no exceptions.
2. Your child's illness, with a doctor's note.
3. Court appearances with documentation.
4. Funerals or military advancement, with documentation and a photograph showing that you attended the event.
Doctor's notes must be dated either before you miss the class or within 2 days after you missed the class, unless you are hospitalized. In case of hospitalization, bring evidence of hospitalization.
Make-ups for test must be taken within 3 days after returning to class except for lengthy illnesses or hospitalizations.
The homework will not be reopened for any reason other than Canvas or WileyPlus being unavailable.

Attendance
Class attendance is mandatory. If you want to do well in this class, you will need to attend every class meeting and come prepared with all the materials (pencil, paper, calculator, etc) that you will need for learning.

Calculator Policy
Non-graphing calculators will be needed in the course and will be allowed on exams. NO cell phone and no other electronic devices during the exams. All work must be shown.

Cell Phones and other electronic devices
Please set your cell phones to silent mode. If you are expecting an emergency call, please notify your instructor, sit near the door, and answer the phone outside. You will not be allowed to wear electronic devices during an exam. During exams, cell phones must be turned off.

Academic Dishonesty
Your work must be your own. Violations will be processed according to the established guidelines of the department, college, and university. Violations of academic integrity include, but are not limited to, cheating, fabrication, or plagiarizing. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Below are ideas related to academic integrity. Resources you are encouraged to utilize in this course include the textbook and unassigned problems, notes from class, assigned homework problems, your fellow Math 1342 students, the Math Learning Center, and your instructor. Email is the best way to contact me.

A.I. Policies
UT Tyler is committed to exploring an using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. Al uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Students must not use protected information, date, 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, AI is not permitted at all. In order to get the most of this course, you must complete all assignments without the aid of any AI tools. Refrain from using AI tools to generate any course context (e.g., text, video, audio, images, code, etc.) for any assignment or classroom assignment.