MATH 1342 Statistics
Instructor: Dr. Regan Beckham
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Office: RBN 4012
Office Hours: TBA
Class Meeting Time: TR 12:30pm - 1:50pm, RBN 4025
Required Text*: Statistics* by Lock, 3nd edition

If you chose to take this class you will:

- *Read the book* – Read the material being covered prior to attending class and again after.
- *Attend Class* – You should not take this course if you are not committed to attending class.
- *Complete Homework* – Homework completion is vital to the understanding of the material.

Make-up Policy
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.

UT Tyler Honor Code
To embrace honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Grading Policy
Your final grade will be based on the following two components:
Exams (20 pts. each)
There will be 5 equally weighted exams throughout the semester. Every exam is comprehensive.
Projects (10 pts. each)
There will be three writing assignments during the semester.

Your final grade will be *no more harsh than* the following scale.

Percentages
100 - 85% A, below 85 - 70% B, below 70 - 55%   C, below 55 - 50% D, below 50% F

A bit about grading

Below is the grading scheme that will be used for your work. Whether this splits up to each part of a multi-part problem depends on the necessary work to complete each problem.

0 - No progress or relevant information given for the problem
1 - Some progress which could lead to a correct solution
2 - Significant progress, major elements present, partial explanation/proof
3 - Essentially complete and correct solution, with minor gaps, errors, or lack of explanation
4 - Fully correct and complete solution with all relevant information and explanation

Classroom Policy
When you attend class you are to be actively engaged in the classroom activity. Also, you are to be respectfully of those around you and conduct yourself in a collegial manner. Students not adhering to this may be asked to leave the classroom.

Student Learning Outcomes

At the conclusion of this course, you will 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 describing 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.

7. Be proficient in using StatKey or other online statistics package to analyze data and solve problems.

Important Dates:
Census Date - September 8th   Drop Date - November 3rd   Final Exam - December 11th

Schedule
Due dates for all assignments will be posted on Canvas.

Calculator Policy: Graphing calculators are not allowed on exams. You may use simple scientific calculators for help with arithmetic.

University Policies: See https://www.uttyler.edu/offices/academic-affairs/files/syllabus-information.pdf for these important University policies: UT Tyler Honor code, student rights and responsibilities, campus carry, UT Tyler a tobacco-free university, grade replacement and forgiveness, state-mandated course drop policy, student accessibility and resources, student absence for university-sponsored events, social security and FERPA, emergency exits and evacuation, and student standards of academic conduct.
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