

EDAD 690 A—STAT I
EHRD 690 A—STAT I
THEORY OF EDUCATIONAL ADMINISTRATION RESEARCH/THEORY OF
EDUCATIONAL HUMAN RESOURCE DEVELOPMENT RESEARCH

Instructor Information

Homer Tolson
540 Harrington Tower
979-458-1120 (o)
979-846-3956 (h)
htolson@tamu.edu
Phone: 979-458-1120
Fax: 979-862-4347

Course Description

A beginning-level quantitative course that focuses on the nomenclature, calculation, and interpretation of basic informational statistics as they apply to educational administration and human resource development.

Objectives of the Course

At the conclusion of this course, a participant should be able to:

1. Calculate and interpret basic descriptive statistics
2. Calculate and interpret measures of correlation and simple linear regression
3. Describe the basic elements of estimation and hypothesis testing
4. Calculate and interpret one-and two-sample test statistics
5. Calculate and interpret the aspects of a one-way Analysis of Variance

Prerequisite

EHRD 651 or equivalent

Textbooks

Coolidge, F. (2006). *Statistics: A Gentle Introduction* (2nd ed.). Sage Publications.

Grading

Your grade will be based on your performance on the following:

Exam 1 100 pts.
Exam 2 100 pts.
Exam 3 100 pts

Total 300 pts

Grades

S	U
240-300	0-239

Faculty Senate Statement on Plagiarism and Aggie Code of Honor

Scholastic misconduct is defined broadly as “any act that violates the rights of another student in academic work or that involves misrepresentation of your own work.” The handouts used in this course are copyrighted. By “handouts” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission. As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one’s work, should the instructor request it, is sufficient grounds to initiate an academic dishonesty case.

**“An Aggie does not lie, cheat, or steal
nor tolerate those who do.”**

The Aggie Code of Honor is an effort to unify the aims of all Texas A&M men and women toward a high code of ethics and personal dignity. For most, living under this code will be no problem, as it asks nothing of a person that is beyond reason. It only calls for honesty and integrity, characteristics that Aggies have always exemplified. The Aggie Code of Honor functions as a symbol to all Aggies, promoting understanding and loyalty to truth and confidence in each other.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, Part 1, Section 20 which can be found on line at <http://student-rules.tamu.edu>. Any suspected instances of scholastic dishonesty will be investigated and resolved according to the procedures outlined in the new Aggie Honor System (<http://www.tamu.edu/aggiehonor/>).

Americans with Disabilities Act (ADA) Policy Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services with Disabilities in Room 126 of the Koldus Building. The phone number is 845-1637. Due to emergency evacuation requirements within the department, if you feel accommodations will be needed, the department requires you to fill out a disability information form and provide a class schedule for the current semester. This form will be supplied to the instructor and placed in the students file for easy accessibility in case an emergency should arise. The forms are available in the main office, 511 Harrington Tower.

Sexual Harassment

Texas A&M University is committed to the fundamental principles of academic freedom, equality of opportunity and human dignity. To fulfill its multiple missions as an institution of higher learning, Texas A&M encourages a climate that values and nurtures collegiality, diversity, pluralism and the uniqueness of the individual within our state, nation and world. All decisions and actions involving students and employees should be based on applicable law and individual merit. Texas A&M University, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, sexual orientation, or veteran status. Individuals who believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the appropriate offices within their respective units.

Students should contact the Office of the Dean of Student Life at 845-3113, or visit student rules at <http://rules.tamu.edu/rules/300/340199ml.htm> for more detail information to file a sexual harassment complaint. You may also contact the College of Education and Human Development at 979-845-5311.

On all course work, assignments, or examinations at Texas A&M University, the following Honor Pledge shall be pre-printed and signed by the student.

“On my honor, as an Aggie, I have neither given or received unauthorized aid on this academic work.”

Course Outline

<u>Date</u>	<u>Topic</u>
Week 1	Introduction and Overview— Ch. 1
Week 2	Central Tendency and Variability— Ch. 2 & 3
Week 3	Using CT and Variability— Ch. 4 & 6
Week 4	More Variability
Week 5	Review and EXAM I (100 pts.)
Week 5	Correlation— Ch. 5
Week 7	More correlation
Week 8	SPRING BREAK
Week 9	Regression
Week 10	More Regression
Week 11	Review and EXAM II (100 pts.)
Week 12	Sampling Distribution and H_0 Testing— Ch 7 & 8
Week 13	Two-Sample Stats— Ch. 9
Week 14	One-Way ANOVA— Ch. 10
Week 15	Review and EXAM III (100 pts.)