EDAD 604
Advanced Graduate Statistics
Course Syllabus
Spring 2024

INSTRUCTOR INFORMATION

Instructor: Professor Kriss Y. Kemp-Graham, PhD
Office Location: EDN 101
Office Hours: Virtual (Online)
Office Phone: 903-886-5520
Office Fax: 903-886-5507
University Email Address: kriss.kemp-graham@tamuc.edu
Form of Communication: email Communication Response Time: 24 hours or less

Required Text
Salkind, N. J. and Frey, B. B. (2019). Statistics for People Who (Think They) Hate Statistics (7th ed.).
Thousand Oaks, CA: Sage. (Bundled with the Resource Study Guide for Education).

A free and open companion website for this textbook is available to help you study. This site, at
edge.sagepub.com/salkindfrey7e, includes the data sets for the exercises in the book, as well as
practice quizzes, flashcards, videos, and journal articles.

Required Software

Intellectus Login Instructions
1. Students and/or faculty purchase their Intellectus subscription from the Department of Education
Leadership link:
a. One Year Access: Statistics Application and Course $185.50
https://analyze.intellectusstatistics.com/create_account?key=gbK0GBvaA4YpOvOL
b. Six-Month Access: Statistics Application Only $81.25
https://analyze.intellectusstatistics.com/create_account?key=YMfoPRCKMwETqP5u
2. If you don't have an account yet, click "Create one today."
3. Use any email address to create your Intellectus account. 4. After your Intellectus subscription has
been purchased, have students and faculty who purchase their Intellectus Subscription through the
link above must always log in from the Intellectus Website: https://www.intellectusstatistics.com/

I. **Course Description**
This course is designed to help educators learn how to perform statistical tests in Intellectus, interpret, and then
report the results using current APA format. This is an 600 level doctoral course and is not intended to teach
basic statistics. It is assumed that candidates have taken and passed EDAD 603. At the conclusion of this

The *syllabus/schedule are subject to change.*

course, the student should be able to write up a result section to a quantitative dissertation. The focus will be to help candidates select the correct statistical test, run assumptions test, reject or fail to reject the nulls, and apply what they have learned in actual practice.

To maximize learning, it is advised that the candidate begins each module by taking the PreTest, reading the Salkind textbook chapter(s), review PPT and Lecture Notes, review ALL instructional videos, review Intellectus information and then complete practice assignments. Finally, at the end of the module the student should take the post quiz. The module quiz will be used to evaluate individual understanding of the content and basic theory underlining each statistical analysis.

II. Course Objectives
- The major objectives of this course are:
- To develop an understanding of the role played by statistics in the overall process of research;
- To learn an array of descriptive procedures for displaying statistical information in graphic and narrative form;
- To learn a variety of tests and procedures that can be useful in data analysis, subsequent hypothesis testing and decision-making activities;
- To demonstrate a critical understanding of how these tests can be used, their major weaknesses and strengths, and the critical assumptions underlying their legitimate application;
- To provide a foundation of statistical knowledge for pursuing more advanced statistical methods in future courses; and
- To learn to apply statistical concepts, scientific reasoning, and logic to social problems.

III. Course Content
A basic understanding of statistical methods is foundational to understanding and utilizing social science research.

IV. Course Structure
Class sessions will be a combination of lecture, discussion, and in-class exercises. Lecture material is intended to supplement, not review, the readings. Because the readings are a major source of learning, students are expected to study this material as it is assigned.

VI. Course Requirements
HAVE FUN! In spite of what you may have heard (or experienced in the past), numbers are not EVIL. Exposure to numbers will not cause erosion of your passion to help your clients. But numbers are necessary. You'll see them on almost every research article you read for the rest of your life. They are in the newspaper every day (if you're one of those students old enough to remember what a newspaper is). They are even underneath those nifty pie charts and graphs on your favorite news Web site. Basically, there are two kinds of people in this world – those who understand numbers and those who will be misled by them. Which do you want to be?
READ! Every week you will be expected to read at least two things. First, you need to read the assigned chapters in the textbook. I really apologize for requiring this because statistics textbooks are usually quite difficult to understand on first reading (but I really hope we find Salkind to be different). Do it anyway. All the important stuff will also be covered in class (I hope), but you'll probably need to see it all multiple times before it really sinks in.

The *syllabus/schedule are subject to change.*

DON'T GIVE UP! If you don't give up on me, I won't give up on you. As far as I'm concerned, this is your class. Let's work together to see if we might be able to become a user of numbers instead of someone who is easily duped.

IX. Consultation
Students are invited to contact the instructor with questions, comments, and concerns. While this course is intended to adequately prepare students for additional graduate studies in research methodology and statistics, support and encouragement is available to make it a positive experience for every student

Assignments are to be turned in electronically no later than the date they are due for credit. LATE ASSIGNMENTS ARE NOT ACCEPTED. PLEASE SEE COURSE CALENDAR FOR ALL DUE DATES.

Grading

Grades will be determined on a total point basis, covering multiple assignments outlined in the syllabus and found in the D2L course shell listed by week. Grades will be posted in point values in D2L. The final points will calculate on a percentage scale covered to a letter grade according to the following scale:

90-100 = A = Excellent/Outstanding 80-89 = B = Good/Noteworthy
70-79 = C = Average/Proficient 60-69=D = Below Average
59-below = F = Unacceptable

POST TEST	20%
EXAMS	30%
APPLICATION	20%
FINAL	30%

The *syllabus/schedule are subject to change.*

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.
Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A
maintenance browser becomes officially unsupported after one year. Note the following:
Ensure that your browser has JavaScript and Cookies enabled.
For desktop systems, you must have Adobe Flash Player 10.1 or greater.
The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2Lsupports iOS

Device	Operating System	Browser	Supported Browser Version(s)

The *syllabus/schedule are subject to change.*

			10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
512 MB of RAM, 1 GB or more preferred
Broadband connection required courses are heavily video intensive
Video display capable of high-color 16-bit display 1024 x 768 or higher resolution

You must have a:
Sound card, which is usually integrated into your desktop or laptop computer
Speakers or headphones.
*For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.

Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site http://www.java.com/en/download/manual.jsp

Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.
Pop-ups are allowed. JavaScript is enabled. Cookies are enabled.

You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
Adobe Reader https://get.adobe.com/reader/
Adobe Flash Player (version 17 or later) https://get.adobe.com/flashplayer/
Adobe Shockwave Player https://get.adobe.com/shockwave/
Apple Quick Time http://www.apple.com/quicktime/download/

The *syllabus/schedule are subject to change.*

At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT
Brightspace Support
Need Help?
Student Support
If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Technical Support at 1-877-325-7778 or click on the Live Chat or click on the **LiveChat** re" to submit an issue via email.

System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

Interaction with Instructor Statement

The instructor's communication response time and feedback on assessments are stated clearly.

The *syllabus/schedule are subject to change.*

COURSE AND UNIVERSITY PROCEDURES/POLICIES
Course Specific Procedures/Policies Syllabus Change Policy
The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures
Student Conduct
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.as px

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: Netiquette http://www.albion.com/netiquette/corerules.html

TAMUC Attendance
For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01. http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13stude nts/academic/13.99.99.R0.01.pdf

Academic Integrity
Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13stude nts/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Graduate Student Academic Dishonesty 13.99.99.R0.10

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13stude nts/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf

The *syllabus/schedule are subject to change.*

ADA Statement

Students with Disabilities

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 have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: Sandi.Patton@tamuc.edu Website:
https://new.tamuc.edu/sdrs/?level=freshman&stage=interested&interests=&ab=y#tamuc
-section-29799

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M- Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34Safet
yOfEmployeesAndStudents/34.06.02.R1.pdf

The *syllabus/schedule are subject to change.*

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

TAMUC Pandemic Response
"A&M-Commerce requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct. "
"Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments."

Counseling Center
The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Class Schedule
Subject to modification at instructor's discretion.

Module	Reading Assignment	Assessment
1	Chapter 9	Pre/Post
2	Chapter 10	Pre/Post/Application
3	Chapter 11	Pre/Post/Application/Exam (9-11)
4	Chapter 12	Pre/Post/Application
5	Chapter 13	Pre/Post/Application
6	Chapter 14	Pre/Post/Application/Exam (12-14)
7	Chapter 15	Pre/Post/FINAL (9-15)

The *syllabus/schedule are subject to change.*