

PSY 6358.010: Applied Research Methods
Spring 2022
Wed 4:00 pm – 6:50 pm
Academic 205A

Instructor: Kyle van Ittersum, Ph. D.

Office: Academic 104F

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Office Hours: Mondays: 10-11, 12-1, 2-4

Tuesdays: 1-4

Wednesdays: 12-1, 2-4

*Also available for virtual and in-person office hours by request

Course Overview

Course Description (From catalog): An examination of the methods and statistics commonly used when conducting research in applied settings. Topics will include qualitative data collection and analysis, quasiexperimental designs, organizational survey research, longitudinal designs and program evaluation.

Suggested Text: Navarro, D. J. & Foxcroft, D. R. (2019). Learning statistics with jamovi: A tutorial for psychology students and other beginners. (Version 0.70). DOI: 10.24384/hgc3-7p15 [Available from url: <http://learnstatswithjamovi.com>]

Attendance Policy: This is a graduate course and a significant amount of material is covered each class period so regular attendance is expected. If you know you have to miss class then you must submit your homework before class time. I will only accept late assignments in the case of legitimate absences and/or extenuating circumstances. I reserve the right to determine what reasons are legitimate and constitute an excused absence. If you have more than 2 unexcused absences, you will be dropped a letter grade for each subsequent absence.

Course Requirements and Assignments

Homework Assignments: Over the course of the semester you will complete 8 homework assignments and they will each be worth 25 points allowing you to earn 200 points from homework. In general, the assignment will be given in class and will be due the following class period. Please see the attendance policy above if you will not be in class to submit your homework.

Re-Do Option: Throughout the semester, everyone will have one chance to re-do a homework assignment if they would like to improve their grade. You will only be allowed *one* re-do and the assignment must be submitted by 04/27.

Final Exam: On 04/27, you will be given an in-class final exam which will assess your learning of the material presented throughout the semester. More specifics about what types of questions to expect will be given in class. The exam will be worth 100 points.

Semester Project: Over the course of the semester you will work with a large data set to come up with hypotheses and to test those hypotheses using techniques learned in class. There will be several deliverables associated with this project:

Hypothesis List: First, you will look through the data set and codebook to identify variables that interest you. From there, you will come up with a list of hypotheses (around 8-10) about those variables. This portion will be worth 25 points and is due on 03/23.

Presentation: On 05/04, each of you will give a brief (10 minute) presentation to the class detailing your hypotheses and analyses. More information about the specifics of the presentation will be given in class. This portion is worth 75 points.

Final Paper: Lastly, you will complete a full, manuscript style write-up of the analyses you have done. You will detail the variables you chose, your proposed hypotheses, the analyses you have conducted, any graphs or figures, and provide a full results section. This paper will be in APA style. More specifics and a detailed rubric will be given in class. The final paper portion of the project will be worth 100 points and will be due 05/09 by 11:59pm.

Point Breakdown and Grading Policy

Homework (8 x 25 pts)	200
Hypothesis List	25
Presentation	75
Final Paper	100
<u>Final Exam</u>	<u>100</u>
Total	500

Final Grades

Final grades will be based on the following scale:

450 - 500 pts	A
400 - 450 pts	B
350 - 400 pts	C
300 - 350 pts	D
0 – 300 pts	F

Grade disputes: If you wish you discuss any points you did or did not receive in the class, you must discuss it with me within 2 weeks of the grade being posted.

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)
- [Angelo State University Catalog](#)

Student Responsibility and Attendance

This is a graduate course and a significant amount of material is covered each class period so regular attendance is expected. If you know you have to miss class then you must submit your homework before class time. I will only accept late assignments in the case of legitimate absences and/or extenuating circumstances. I reserve the right to determine what reasons are legitimate and constitute an excused absence. If you have more than 2 unexcused absences, you will be dropped a letter grade for each subsequent absence.

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university's [Statement of Academic Integrity](#).

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#). The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs

325-942-2047

dallas.swafford@angelo.edu

Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 [Grading Procedures](#) for more information.

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for [Observance of Religious Holy Day](#) for more information.

Copyright Policy

Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

Syllabus Changes

The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student's responsibility to look for such communications about the course on a daily basis.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form

Face to face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: www.angelo.edu/title-ix.

Schedule for PSY 6358: Spring 2022

Note: Readings are not required but may provide a useful supplement to class slides and lecture

Week & Date	Topic	Chapter(s)	Assignment DUE
1: 01/19	Intro/Review	1-3	
2: 01/26	Data Screening	4-8	
3: 02/02	Correlations	10, 12	HW1: Data Screening
4: 02/09	Bivariate Regression	12	HW2: Correlations
5: 02/16	Adding Variables	12	HW3: Bivariate Regression
6: 02/23	Adding More Variables	12	
7: 03/02	Moderation/Mediation		HW4: Multiple Regression
8: 03/09	Regression in R		HW5: Moderation/Mediation
03/16	SPRING BREAK		
9: 03/23	ANOVA	13	Hypothesis List
10: 03/30	ANCOVA	14	HW6: ANOVA
11: 04/06	MANOVA	15	HW7: ANCOVA
12: 04/13	PCA and Factor Analysis		HW8: MANOVA
13: 04/20	TBD		
14: 04/27	Final Exam		Re-do HW Due
15: 05/04	Final Presentations		
16: 05/09 (11:59 pm)			Final Projects Due

Note: All material must be read by the date assigned.

Other Important Dates:

03/23 – Hypothesis List Due

04/27 – Final Exam

05/04 – Re-do HW Due

05/04 – Final Presentations in class

05/09 (11:59 pm) – Final Paper Due