

Department of Social Sciences
Spring 2019

Logistic Regression
CRIJ 5311-110, 10498

Wednesday 6:00-9:00p
Founder's Hall 207

Professor: Liana R. Taylor, Ph.D.

Office: Heritage Hall 204E

Email: liana.taylor@tamuct.edu (email is preferred)

Students can also send messages to me through Canvas

Office Phone Number: 254-519-5436

Office Hours: Tuesday/Thursday 11:00a-2:00p

“Statistics are not simply figures. It is said that nothing lies like figures except facts. You want statistics to tell you the truth. You can find truth there if you know how to get at it...” –
Joseph Pulitzer, 1904

ACADEMIC ACCOMMODATIONS

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Office of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the university's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Office of Access and Inclusion at (254) 519-5797. Any information you provide is private and confidential and will be treated as such.

For more information please visit our Access & Inclusion web page:
<https://www.tamuct.edu/student-affairs/access-inclusion.html>

STATEMENT OF ACADEMIC FREEDOM

Freedom to teach and freedom to learn are inseparable facets of academic freedom. The University has adopted a policy on the Disruption of University Activities (Policy # 4.08), which can be accessed in the Student Handbook through the following link:

<https://www.tamuct.edu/departments/studentconduct/index.php>

***** Disclaimer: Syllabus may be revised later if needed *****

COURSE GOALS AND METHODS

This course will provide an in-depth examination into logistic regression. Students will also learn how to clean data and work with syntax.

By the end of the course, students will be able to:

1. Students will learn how to use logistic regression analyses for hypothesis testing.
2. Students will learn how to conduct logistic regression analyses and understand how to interpret the results.
3. Students will learn how to use syntax when conducting analyses.
4. Students will learn how to write up results of the analyses for publication.

REQUIRED TEXT

Readings will be provided on Canvas

COURSE POLICIES

Distractions

Use of electronics is prohibited in the classroom* (cell phones, laptops, tablets, palm pilots, Gameboys, TI-86 calculators, discmans, etc.). All cell phones must be turned off or silenced when entering the class. Do not put your cell phone on vibrate, as this can also be distracting. Headphones must be removed prior to entry into the classroom. Students may use the computers provided in the computer lab during class. **I reserve the right to impose a point(s) deduction from the lab and/or in-class activity that day if I see any use of electronics during class.**

If you can't make it through class without using your phone then you might want to check out this article: <http://www.webmd.com/balance/guide/addicted-your-smartphone-what-to-do>

* Students who provide documentation from The Office of Access & Inclusion may use a recorder.

Respect

Statistics can be a difficult subject to learn and everyone learns at a different pace. Students are encouraged to ask questions in class, and are expected to listen to the instructor and to one another respectfully. **I reserve the right to impose a point(s) deduction from the lab and/or in-class activity that day if I see what I discern to be a display(s) of disrespect during class.**

Academic Integrity

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more information regarding the Student Conduct process:

<https://tamuct.campuslabs.com/engage/organization/tamuct-student-conduct-panel>

If you know of potential honor violations by other students, you may submit a report:

https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0

Violations in academic honesty will result in score of zero on the assignment for which it is suspected. Any suspected violations of academic honesty will be reported to TAMUCT's Office of Student Conduct:

<https://www.tamuct.edu/departments/student-affairs/bat.php>.

TECHNOLOGY REQUIREMENTS AND SUPPORT

This is a fully online course and will use the A&M-Central Texas Instructure Canvas learning management system Log on to A&M-Central Texas Canvas (<https://tamuct.instructure.com/>) or access Canvas through the TAMUCT Online link in myCT (<https://tamuct.onecampus.com/>). You will log in through our Microsoft portal.

Username: Your MyCT email address.

Password: Your MyCT password

Canvas Support

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

Other Technology Support

For log-in problems, students should contact Help Desk Central.

24 hours a day, 7 days a week:

Email: helpdesk@tamu.edu

Phone: (254) 519-5466

Web Chat: <http://hdc.tamu.edu>

Please let the support technician know you are an A&M-Central Texas student.

COURSE COMMUNICATION

Course announcements will be posted to the course Announcements page on Canvas.

Correspondence will be sent to your Canvas Inbox. Make you sure you have access to and regularly check it. Make sure your Canvas Settings are adjusted so you receive a notification when an announcement is posted, a course message is received, etc.

OMG, emails should be professional LMBO. When u send a msg, dont write n text talk!! Proofread ur email b4 u send it and dont use emojis :) Include a subject line, a formal salutation, address me as Professor or Dr., your name and the course you’re in, the reason for your email, and a formal sign-off with your name. Do not send emails about things stated in the syllabus or guidelines unless you are requesting clarification or additional information.

STUDENT-PROFESSOR INTERACTION

Students may speak with the Professor via email, during office hours, or by appointment. Emails will be answered within 72 hours. Appointments (date/time) must be confirmed by the student and the professor via email.

ASSIGNMENTS AND EXAMS

Reading Assignments

The reading assignments will be provided on Canvas (Modules/Week #). Reading assignments are to be completed by the date listed on the Course Schedule. But I suggest that you reread the chapters and articles after class as well.

Lab Assignments

Lab assignments afford students with the opportunity to become familiarized with statistical software and apply the concepts and methods of analyses to criminal justice datasets. Labs entail in-class work using SPSS, which is the statistical software used for analysis. Students will not be required to purchase SPSS to complete the assignments.

There will be no make-up labs and labs cannot be taken early. However, if a student has to miss a lab due to work or military obligations, he or she may be allowed to complete a make-up assignment worth 30 points within one week of the lab date. If you do not complete the assignment within one week you will receive a zero. In order to be allowed to complete the make-up assignment, the student must provide me with official documentation in advance showing the date(s) of the scheduling conflict.

Labs will be graded on the following:

Lab Elements	Approximate percentage of lab grade*
Overall write-up format	10%
Correct numbers	10%
Correct notation(s)	20%
Correct interpretation	50%
Writing Mechanics	10%

Advanced notice is not required for medical emergencies; however, you must provide written documentation (on official paper with the date(s)) within one week from the lab date. You will also have one week from the lab date to complete the make-up assignment.

Students who arrive in class more than 5 minutes late will receive a 10-point deduction in their lab grade.

Midterm Exam (150 points)

Students will be given a data set and must develop three hypotheses and analytic plan that will use a simple logistic regression model for each hypothesis. Students will then carry out their analysis. The final submission will include the hypothesis, analytic plan, results, and discussion. Students must also include the appropriate table(s). Students may not use the same hypotheses.

This paper must be written in APA format and include a cover page, page numbers, and the SPSS output. The paper must be written in Times New Roman, 12-point font.

The paper must be submitted as a Word Document with 1-inch margins. The output may be submitted as a pdf or SPSS file. Students will be given the Midterm Exam instructions during class on February 27 and the deadline to complete it is March 6 at 9p. Submissions will be made via Canvas (Modules/Midterm Exam Submission)

Component	Percentage of Grade
Hypothesis	5%
Analytic Plan	20%
Results	25%
Discussion	15%
Table	5%
Output	10%
Writing mechanics	10%
Formatting (APA format)	10%
Late Penalty per day	-15 points

The late point penalty will begin on March 6 at 6:01p. The 15-point deduction will be applied for every 24-hour period thereafter until submission. This paper will not be accepted in hardcopy, email, or course message. Submissions via any of the proscribed methods will receive the late penalty deduction if the correct Canvas submission occurs after the deadline. The late-point penalty will be applied if any components of the paper are submitted late. Late submissions will not be accepted or graded after the Midterm Exam grades have been posted.

In the event of a medical emergencies, you must provide written documentation (on official paper with the date(s)) and submit the Midterm Paper no later than March 13 by 6p.

Final Exam (300 points)

Students will be given a data set and must develop three hypotheses and analytic plan that will use simple and multiple logistic regression models for each hypothesis. Students will then carry out their analysis. The final submission will include the hypothesis, analytic plan, results, and discussion. Students must also include the appropriate table(s). Students may not use the same hypotheses.

This exam submission must be written in APA format and include a cover page, page numbers, and the SPSS output and syntax. The paper must be written in Times New

Roman, 12-point font. The paper must be submitted as a Word Document with 1-inch margins. The output and syntax may be submitted as pdfs or SPSS files.

Component	Percentage of Grade
Analytic Plan	20%
Results	40%
Discussion	20%
Writing mechanics	10%
Formatting (APA format)	10%

Students will receive the Final Exam during class on May 1 and the submission will be due via Canvas by May 8 at 9p. **Late submissions (starting at 9:01p) will not be accepted.**

In the event of a medical emergencies, you must provide written documentation (on official paper with the date(s)) and the exam submission no later than May 10 by 5p.

GRADING

Your grade will be weighted and will not be curved. Grades will be posted to the on Canvas within approximately one week. Students will be notified if it will take longer to post the grades.

Assignment	Number of points	Percentage of Grade
Lab Assignments	30 points each (120 points)	25%
In-Class Assignments	~20 points each (180 points)	20%
Midterm Exam	150 points	25%
Final Exam	300 point	30%
Total Points	750 points	

COPYRIGHT NOTICE

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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5436; Fax 254-519-5781; liana.taylor@tamuct.edu.

Course Schedule

Week	Topic	Assignment Due
Week 1 01/16	Linear Regression Review Introduction to Logistic Regression	
Week 2 01/23	Simple logistic regression – Categorical variables	Osborne – Chs. 1 - 3
Week 3 01/30	Simple logistic regression – Continuous variables	
Week 4 02/06	Lab 1	
Week 5 02/13	Review: Simple Logistic Regression	
Week 6 02/20	Logistic Regression Assumptions	Osborne – Ch. 4
Week 7 02/27	Lab 2	
Week 8 03/06		Take-Home Midterm Exam due by 9p
Week 9 03/13	Spring Break	
Week 10 03/20	Multiple logistic regression – Continuous variables	Osborne (2015) – Ch. 5
Week 11 03/27	Multiple logistic regression – Categorical variables	Osborne (2015) – Ch. 6
Week 12 04/03	Lab 3	Osborne (2015) – Ch. 8

Week 13 04/10	Multiple logistic regression - Interactions	Wuench (2016)
Week 14 04/17	Multiple logistic regression - Interactions	
Week 15 04/24	Lab 4	
Week 16 05/01	Review	
Week 17 05/08	Take-Home Final Exam due by 9p	

911 CELLULAR: EMERGENCY WARNING SYSTEM FOR TEXAS A&M UNIVERSITY-CENTRAL TEXAS

911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911Cellular through their myCT email account.

In an effort to enhance personal safety on the Texas A&M University – Central Texas (TAMUCT) campus, the TAMUCT Police Department has introduced Warrior Shield by 911 Cellular. Warrior Shield (<https://www.tamuct.edu/police/911cellular.html>) can be downloaded and installed on your mobile device from Google Play or Apple Store.

Connect at 911Cellular (<https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management>) to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

DROP POLICY

If you discover that you need to drop this class, you must complete a Drop Request Form:

https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf

Professors cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

TUTORING

Tutoring is available to all A&M-Central Texas students, both on-campus and online. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or have any other question, contact Academic Support Programs at (254) 519-5796, or by emailing Dr. DeEadra Albert-Green at deeadra.albertgreen@tamuct.edu.

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive FREE online tutoring and writing support. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

THE UNIVERSITY WRITING CENTER

Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free workspace open to all TAMUCT students from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours in the University Library Monday thru Thursday from 6:00-9:00 p.m. This semester, the UWC is also offering online only hours from 12:00-3:00 p.m. on Saturdays.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via WOnline. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC and/or need any assistance with scheduling.

UNIVERSITY LIBRARY

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 85,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles

in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our Library website:

<http://tamuct.libguides.com/index>

IMPORTANT INFORMATION FOR PREGNANT AND/OR PARENTING STUDENTS

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit the Student Affairs web page (<https://www.tamuct.edu/student-affairs/index.html>). Students may also contact the institution's Title IX Coordinator. If you would like to read more about these requirements and guidelines online, please visit the website:

<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

A NOTE ABOUT SEXUAL VIOLENCE AT A&M-CENTRAL TEXAS

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors

and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the Title IX webpage:

<https://www.tamuct.edu/departments/compliance/titleix.php>

IMPORTANT UNIVERSITY DATES

January 14, 2019	Classes Begin for Spring Semester
January 16, 2019	Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes
January 21, 2019	Martin L. King Jr. Day (<i>University Closed</i>)
January 22, 2019	Deadline to Drop First 8-Week Classes with No Record
January 30, 2019	Deadline to Drop 16-Week Classes with No Record
February 22, 2019	Student End of Course Survey Opens (First 8-Week Classes)
February 22, 2019	Deadline to Drop First 8-Week Classes with a Quit (Q) or Withdraw (W)
March 1, 2019	Deadline for Graduation Application for Spring Ceremony Participation
March 1, 2019	Deadline for Teacher Education and Professional Certification Applications (i.e. Principal, Reading Specialist, etc.)
March 8, 2019	Classes End for First 8-Week Session
March 8, 2019	Deadline for Spring Admissions Applications
March 10, 2019	Student End of Course Survey Closes (First 8-Week Classes)
March 11, 2019	Spring Break – No Class (<i>University Open</i>)
March 11, 2019	Deadline for Faculty Submission of First 8-Week Final Class Grades (due by 3pm)
March 13, 2019	Spring Break – No Class (<i>University Open</i>)
March 14, 2019	Spring Break – No Class (<i>University Open</i>)
March 15, 2019	Deadline for Tuition and Fee Payments (Second 8-Week Classes)
March 15, 2019	Deadline for Clinical Teaching Applications
March 15, 2019	Spring Break – No Class (<i>University Open</i>)
March 18, 2019	Add, Drop, and Late Registration Begins for Second 8-Week Classes. \$25 fee assessed for late registrants.

March 18, 2019	Classes Begin for Second 8-Week Session
March 20, 2019	Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
March 25, 2019	Deadline to Drop Second 8-Week Classes with No Record
April 1, 2019	Deadline for GRE/GMAT Scores to Office of Graduate Studies
April 5, 2019	Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
April 12, 2019	Deadline for Final Committee-Edited Theses with Committee Approval Signatures to Office of Graduate Studies for Spring Semester
April 26, 2019	Student End of Course Survey Opens (16- and Second 8-Week Classes)
April 26, 2019	Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
May 10, 2019	Deadline for Applications for \$1,000 Tuition Rebate for Spring Graduation (5pm)
May 10, 2019	Deadline for Degree Conferral Applications to the Registrar's Office. \$20 Late Application Fee.
May 10, 2019	Deadline to Withdraw from the University for 16- and Second 8-Week Classes
May 10, 2019	Spring Semester Ends
May 11, 2019	Commencement Ceremony Bell County Expo Center 7:00 p.m.
May 12, 2019	Student End of Course Survey Closes (16- and Second 8-Week Classes)
May 14, 2019	Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades (due by 3pm)
May 14, 2019	Deadline for Thesis to Clear Thesis Office for Spring Semester