

STAT 4385

Applied Regression Analysis

Course Information

Classes: MW 12:00 P.M.-1:20 P.M. UGLC 336

Term: Spring 2023

Instructor: Victor Hugo Jiménez Nava

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Office: Library 514

Office Hours: Tuesday, Thursday and Friday from 1:30 PM to 3:00 PM or by appointment.

Prerequisite: Minimum Grade of C on STAT 2480 or 3330 or 3320

Texts:

-Introduction to Linear Regression Analysis (5th ed; 2015) by Douglas C. Montgomery.

-Linear Models with R, 2nd Edition by Julian J. Faraway.

Catalog Description:

Students will learn to apply appropriate statistical techniques on model building, fitting, validation and subsequent inferences for various problems by using linear regression models.

Contents: The course will cover chapters from 1 up to 6 from the book and maybe 7 and 8 if time allows.

Assignments: There will be assignments on Webwork approximately every week that will evaluate the use of several of the concepts and techniques we are covering in class.

R Activities: They will be assigned approximately every two weeks and must be completed in R.

Mini-Projects and Final Project: They will be assigned as the course is passing by but you will have to fit regression models to several data sets.

Distribution of Credit:

Webwork Assignments	30%
R Activities	20%
Projects and Final Project	50%

Classroom Behavior

Any personal conversations during a lecture are disruptive to the rest of the class and the instructor. Students who do not respect the rights of other people in the classroom will be asked to leave.

Attendance

Students are expected to attend lectures and show to the instructor continuously advances of your projects.

Academic misconduct

Academic misconduct (plagiarism, cheating, or any other form) is a very serious academic offense and will be dealt with rigorously.

Disabilities

If you have or believe you have a disability that will require accommodations or modifications, you may wish to self-identify by contacting the Disabled Student Services Office (DSSO; 747-5148; East Union Building room 108; slopez@utep.edu; www.utep.edu/dsso/) to show documentation or register for testing and services. DSSO will ask you to discuss needed accommodations with me within the first 2 weeks of the semester or as soon as disability is known, and at least 5 working days before an exam. DSSO provides note taking, sign language, interpreter, reader and/or scribe services, priority registration, adaptive technology, diagnostic testing for learning disabilities, assistance with learning strategies/tutoring, alternative testing location and format, and advocacy. All information provided to DSSO is kept strictly confidential.

COVID-19 Statement

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID 19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org