

University of Colorado Bou INTRODUCTION TO STATISTICS WITH COMPUTER APPLISA ECON 3818SYLLABUSSPRING 202:

Instructor: Dr. Sara Avila

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x OfficeHours: TuesdaysadThursdays am -2 pm usingoom

INSTRUCTOR BIO

I am aneconomics instructor whiche thankwo decades experienceMy research interests are in the fields of environmental economics or recently, in how to teach economics worked on topics related to air quality, climate change, urban transportation, and biodiversity acronservation passionate about building understanding in a diverse environmentation and following understanding unders

Term Startlan 2,3202 Term EndMay7, 202

COURSE WEBSITE

Canvas is oulass website:

- x Login using yoluniversity of Colorado Boulder ideratikleryassword https://canvas.colorado.edu/
- x h v Œ } μ Œ £ÇO\$NB818dn]trloduction to Statistic
- x Note: all email corresponde with bethrough your Boulde email address.
 - o Do not use the Canvas comainlessage it is not checked.

COURSE DESCRIPTION

This coursetroduceyou to the principles of statistical reasoning and inference. To this end, the ultimate goals of the course are for you to thoroughly understand the following concepts: sampling distributions, hypothesis testing, and confidence intervals across ingusting stiple s

Organized into fourteen moduliescoursis divided into four palities first part of the course provides an overview of how data is properly collected and how to explore data using visual and numer methods. The second part is anuintificand to probability theory, discrete and continuous probability distributions and mathematical expectation. The third part introduces sampling distributions, confident intervals and hypothesis testing. Finally, the last section applies selection being distribution means, to proportions and to simple regressions.

Course Websitattps://canvas.colorado.edu/ (Canvas) Grades and any further additional readings will be posted on Canvas. Please check Canvas frequently for any relevant notifications/changes that moccur throughout therseu

SUPPLEMENTAL MATERIAL

You will use Rfræestatistical package to conduct statistical analysis.

INSTRUCTIONAL METHODOLOGY AND DELIVERY

This course is delivered via distance education format usagvassystem. This format will use a combination of readings, online discussion, and othersedveesource sound interact with the instructor and other students using the continuous provided by vas Youwill submit assignments in accordance with the course out an evas Youwill also have access the vertical from the MacMillan Learning catalog.

COURSE PRESENTATION AND PROCEDURES

There will be41modules, in14weeks1(module per week). You should proceed through one module everyweek which will be comprised of readings from the course texts, supplemental class notes, graded discussion questiexes; cisesand quizzes, exams, and various euclidices of information such as additional readings and video content, among other content.

COURSE OUTLINE

Review the separatveekly class schedule

EVALUATION AND GRADING

Course grades will be determined by the completion of assignments, exams, and

ASSIGNMENTS

(200 POINTS)There will be a -20int exercise associated with most modules.

- x Problem Setsonsist of quantitative questions where you will complete questions while showin your work. Problem sets with the chieve
- x Your lowest one P1 blem Sewill be dropped from your final grade calats

ECON 3818 Introduction to Statistics

- 1. At an accredited collegeuniversity testing cerimeyour town or nearby. There may be a cost for using this testing center.
- 2. WithPrcctorior a comparable online proctoring service as determined by your instructorOnline proctoring is a

ACCOMODATION FOR DISABILITIES

If you qualify for accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed Disability Services determines accommodations based on documented disabilities in the academic environmenth formation on requesting accommodations is located about the Services website Contact Disability Services at 928671 of sinfo@colorado.edfor further assistance. you have a temporary medical conditions per ary Medical Conditions the Disability Service website.

CLASSROOM BEHAVIOR

Both students and faculty are responsible for maintaining an appropriate learning environment in instructional settings, whether in person, remote or online. Those who fail to adhere to such behave standards may be just to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disabecreed, religion, sexual orientation, gender identify expression, vetestatus, political filiation, or political philosophy more information, see the sroom behavipolicy, the tudent Code of Conductand the ffice of Institutional Equity and Compliance

HONOR CODE

"On my honor, as a University of Colorado Boulder student I have neither given nor received unauthorized assistance."

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to Honor Code academic integrity violations of the Honor Code may include but a not limited to: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access to academ materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involvating racademic dishonesty. All incidents of academic misconduct will be reported to the Homon Code (orado.e) 13034925550). Students found responsible for violating the academic integrity policyect to nonacademic sanctions from the Honor Code as well as academic sanctions from the faculty member. Additional information regarding the Honor Code academic integrity policy can be Hound Cond the website

SEXUAL MISCONDUCT, DISCRIMINATION, HARRASSMENT AND/OR RELATED RETALIATION

ECON 3818 Introduction to Statistics

If you feel ill and think you might have 190 MTD on have tested positive for 190 MD if you are unvaccinated or partially vaccinated and have been in close contact with bash 190 MD, you should stay home and follow the further guidance of the Public Health Office (contacttracing@colorado)edfuyou are fully vaccinated and have been in close contactment who has COVID, you do not need to stay home; rather, you should selfor symptoms and follow the further guidance of the Public Healtholdfider(acing@colorado)edu

COURSEWITHDRAWAL POLICY

Any student who wishes to withdraw from the codorsco respective ptember. For complete information, please visitps://ce.colorado.edu/reses/topics/datassd-deadlinesgeneralinfo/

ACCOMMODATION FOR DISABILITIES

If you qualify for accommodations because of a disability, please submit your accommodation letter to Disability Services to your faculty member in a timely manner so nebals your be addressed. Disability Services determines accommodations based on documented disabilities in the academic environmentation on requesting accommodations is located abbility Services website. Contact Disability Services at 938871 odsinfo@colorado.edfor further assistante. you have a temporary medical condition method condition sthe Disability Services website.

ADDITIONAL SUPPOSSERVICES

A variety of instructional support services, such as writing center, guidance on personal or educatio issues, tutoring questions and library resources are available to the students. For more information about their services, visit their exelected under modules on Canvas.



Introduction to Statistics, ECON 3818, SPRING 2023, Avila, University of Colorado Boulder

Module (start date)

Chapter Number and Topic

Graded Assignments

Due Date by