

Email address

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Office hours

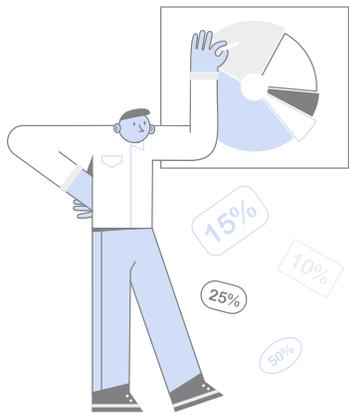
MWF: 10am-12pm or by appt

Office Location

WM- 310A



Trinity College
HARTFORD • CONNECTICUT



Class Syllabus

Welcome to Intro to Stats for Econ!

MWF: 12pm–12:50pm at LITC B03

Instructor: Hanae Bouazza

Course Description

Economists rely heavily on statistical methods to measure and analyze economic phenomena in today's data-driven world. This course equips students with the essential tools, emphasizing theoretical understanding and practical application. While covering foundational topics such as data presentation, descriptive statistics, and probability theory, the course strongly emphasizes simple and multiple linear regression analysis—the cornerstone of econometric analysis. Furthermore, students will gain hands-on experience using Stata, a widely used statistical software in economics research.

Learning Objectives

Objective 1

To emphasize statistical literacy and develop statistical thinking.

This should allow students to look at statistically-based results reported in popular media critically, recognize the study and analysis conducted behind those results, and demonstrate an awareness of ethical issues associated with sound statistical practice.

Objective 2

To gain experience with statistical models.

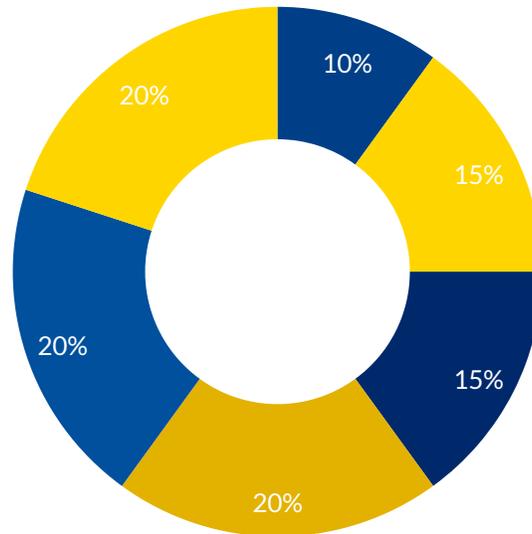
This includes summarizing bivariate and multivariate data, differentiating correlation from causation, and conducting simple and multiple linear regressions.

Objective 3

To learn basic ideas of statistical inference.

This includes both hypothesis tests and interval estimation, in a variety of settings. Students should also be able to interpret and draw conclusions from standard output of statistical software packages.

Grading



■ Assignments (10%) ■ Quizzes (15%) ■ Exam 1 (15%)
■ Exam 2 (20%) ■ Exam 3 (20%) ■ Final Exam (20%)

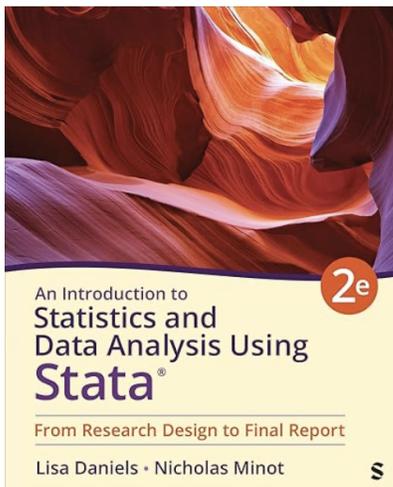
Exam 1 → **Wednesday, September 24, 2025**, covering **Units 1, 2, and 3**

Exam 2 → **Friday, October 15, 2025**, covering **Units 4 and 5**

Exam 3 → **Friday, November 3, 2025**, covering **Units 6 and 7**

Final Exam → **Monday, December 15, 2025, at 3 pm**, cumulative

Textbook and Learning Requirements



Introduction to Statistics and Data Analysis Using Stata

By Daniels, Lisa
Edition: 2ND 25
Publisher: SAGE
ISBN 13: 9781071883709

STATA

The statistical software

Moodle at Trinity College

Assignments

There is one homework assignment for each unit. It will be due in class after the unit is finished and **should be submitted in person by the end of class**. When applicable, the homework will include a Stata component. If so, any log files, graphs, or tables should be printed and stapled to the assignment. **Emailed submissions will not be accepted**. You may rewrite your assignments to try for full credit without penalty, **only if they are submitted on time**. I accept late submissions in exceptional circumstances.

AI policy

You can use AI as a work partner to discuss concepts, generate true/false and numerical examples for practice, and help you create steps for each unit on how to solve numerical problems. However, you cannot use AI to do your assignment for you. If I suspect AI completed your assignment, I will give it a zero, and no rewrites will be permitted.

Make-up Exams

Absence from class **does not** excuse you from any assigned work as part of this course. In the event of an absence, you alone are responsible for promptly discovering what was covered or announced in class and catching up with class assignments as soon as possible. **Typically, no make-up exams are given**. If you have a documented excuse for missing an exam I have approved, we can discuss your options.

Quizzes

At the beginning of select classes, we will have a 5 to 10-minute in-class quiz. These quizzes will be based on the material learned over the week. If you miss a quiz, you can't make it up. You also can't rewrite your old quizzes for any credit.

Academic integrity

The faculty and administration support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. The complete text of the Academic Integrity Policy and the Trinity College procedure for implementing that policy may be found at <http://internet2.trincoll.edu/facman/doc0009.html>.

Accommodation

If you have approval for academic accommodations, please share your accommodation letter during the first two weeks of the semester or a minimum of 10 days prior to needing your accommodations. You may choose to email me a PDF copy of your letter. If you do so, please copy SARC@trincoll.edu on the email and be sure to meet with me privately to discuss implementation of your accommodations.

Course Schedule*

Unit 1- Role of Statistics and the Data Analysis Process (2 classes)

Assignment #1 due

Unit 2- Descriptive Statistics (3 classes)

Assignment #2 due

Unit 3- Probability (4 classes)

Assignment #3 due
Exam 1

Unit 4- Probability Distributions (3 classes)

Assignment #4 due

Unit 5- Sampling Variability and Distributions (4 classes)

Assignment #5 due
Exam 2

Unit 6- Statistical Inference- Point and Interval Estimation (3 classes)

Assignment #6 due

Unit 7- Statistical Inference- Hypothesis Testing (4 classes)

Assignment #7 due
Exam 3

Unit 8- Simple Linear Regression (8 classes)

Assignment #8 due

Unit 9- Multiple Regression Analysis (6 classes)

Assignment #9 due
Final Exam

*As the instructor of this course, I reserve the right to make adjustments or changes throughout the semester. If any, all changes will be announced in class OR posted on the Moodle site. You alone are responsible to learn about these changes if you miss any class time.