

Fall 2004

# Introduction to Statistics

Instructor: Aaron Strong  
Economics Building  
Room 12  
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Class Schedule: TR 8-9:15

Office Hours:

Textbook: Caniglia, Alan S., 1991 *Statistics for Economics*, Required.

Course Objectives: This course is designed to give you an introduction to the implications of natural resources as economic concepts. We will study natural resources use in the economy, the value of natural resources to society, the allocation of renewable and non-renewable resources, and green accounting. The main foci will be on land, water, minerals and fossil fuels, fisheries and forests. We will spend a large part of the discussion on property rights, the distinction between public and private goods and the differences in static vs. dynamic problems.

Assignments and Grading: The final grade for this course will be determined as follows: Midterms(2 of them): 40%

Cummulative Final: 30%

Homeworks: 30%

Additional Notes: If you qualify for accommodations because of a disability, please submit to me a letter from the Disability Services (DS) early in the semester so that your needs may be addressed. DS determines accommodations based on documented disabilities

(303-492-8671, Willard 322, [www.colorado.edu/sacs/disabilityservices](http://www.colorado.edu/sacs/disabilityservices)).

Accommodations can be made if there are any conflicts with religious holidays, but you must notify me in advance.

## Pseudo-Schedule

Week 1: Course Logistics and Chapters 1& 2: Random Variables  
Week 2: Chapter 3: Descriptive Statistics  
Week 3: Chapter 4: Samples, Populations and Inference  
Week 4: Chapter 5: Basics of Probability Theory  
Week 5: Chapter 6: Basic Distributions  
Probably at test somewhere around here  
Week 6: Chapter 7: The expectation operator  
Week 7: Chapter 8: Joint Distributions  
Week 8: Chapter 9: Sampling Theory  
Probably a test somewhere around here.  
Week 9: Chapter 10: Estimation  
Week 10: Chapter 11: Confidence Intervals  
Week 11: Chapter 12: Hypothesis Testing  
Week 12: Chapter 13: Two variable Regressions  
Week 13: Chapter 14: Multiple Regressions  
Week 14 - ? : Applications of Statistics to Econometrics and Theory  
FINAL EXAM: WEDNESDAY, 15 December 1:30 - 4