

Politics G53.1120
New York University
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Intro to Quantitative Political Analysis I

Description

This course introduces students to the use of quantitative methods in the study of politics. It begins with a brief review of the basic elements of scientific thinking and their application to the study of politics. Next students will be introduced to probability theory and statistics with a view to testing hypothesis about political events. Students will also learn how to use the statistical software STATA to organize and analyze data.

Requirements

Students will be graded on the basis of a set of homework assignments, a midterm and a final exam. Assignments, midterm and final will be weighed equally, each making up a third of the final grade.

Text

Thomas H. Wonnacott and Ronald J. Wonnacott, *Introductory Statistics for Business and Economics* (Wiley, 1990, Fourth Edition)

Schedule and Course Outline

September 11
Intro to Statistics
Frequency Distributions
WW, Chapter 2

September 18
Contingency Tables
Class Notes

September 25
Correlation and Regression
WW, 475-479

October 2
Linear Regression
WW, Chapter 11 and 12

October 16
Intro to Probability
WW, Chapter 3

October 23
Probability Distributions
WW, Chapters 3 and 4

October 30
Probability Distributions
WW, Chapter 4

November 6
Midterm Exam

November 13
Bivariate Distributions
WW, Chapter 5

November 20
Sampling and Sampling Distributions
WW, Chapter 8

November 22
Confidence Intervals
WW, Chapter 6

November 27
Hypothesis Testing
WW, Chapter 9

December 4
Hypothesis Testing
Chapter 9, 396 – 455

December 11
Testing for Regression

Class Notes