

Fundamentals of multiple regression analysis, including issues such as heteroscedasticity, autocorrelation, specification. In the second half, attention will be paid to estimating and presenting limited dependent variable models and multilevel and panel data. Roughly covers the curriculum of an introductory econometrics course, but with emphasis on limited dependent variable models rather than time series analysis for the more advanced components.

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<div style="text-align:center;"><p>Curricular information is subject to change</p></div>

What will I learn?

Learning Outcomes:
<p>- Good understanding of linear regression, its underlying assumptions, and basic diagnostics
- Good understanding of maximum likelihood estimation
- Good practical understanding of regression models for limited dependent variable
- Good practical understanding of using R for statistical analysis
- Basic understanding of time series and panel data methods
- Basic understanding of causal inference techniques
- Ability to present and interpret statistical results for academic publications</p>

How will I learn?

Student Effort Hours:

Student Effort Type	Hours
Lectures	18
Computer Aided Lab	6
Autonomous Student Learning	200
Total	224

Am I eligible to take this module?

<div class="subHeadCB">Requirements, Exclusions and Recommendations</div>

Learning Requirements:

<p>This course assumes prior training in basic statistics, including:
- hypothesis tests, p-values, sampling distribution
- correlation, covariance, linear regression
- basic data file management</p>

<div class="subHeadCB">Module Requisites and Incompatibles</div>

How will I be assessed?

Description	% of Final Grade	Timing
Essay: Course paper	50	Coursework (End of Trimester)
Assignment: Homework 3	15	Week 9
Assignment: Homework 4	15	Week 12

How will I be assessed? (continued)

Description	% of Final Grade	Timing
Assignment: Homework 1	10	Week 3
Assignment: Homework 2	10	Week 6

What happens if I fail?

Compensation

This module is not passable by compensation

Resit Opportunities

In-semester assessment

Remediation

If you fail this module and the module is on offer the following semester, you must repeat the module. You should register for repeating the module at the start of the following semester. If the module is NOT running in the following semester then there will be a resit available in the form of an in semester assessment. You should register for this in semester assessment at the start of the following semester. Note that it is YOUR responsibility to contact the Module Coordinator to find out what the in semester assessment will be and when it will take place.

Reading List

UCD Course Search

Quantitative Methods II (POL50050)

Academic Year 2018/2019

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Quantitative Methods II (POL50050)

Subject:

Politics

College:

Social Sciences & Law

School:

Politics & Int Relations

Level:

5 (Doctoral)

Credits:

10.0

Semester:

Semester Two

Module Coordinator:

Dr Stephanie Dornschneider-Elkink

Mode of Delivery:

N/A

How will I be graded?

40%

Print Page

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