Linnæus University

Course syllabus

School of Business and Economics
Department of Economics and Statistics

1NA121 Hantering av stora data för policyanalys, 7,5 högskolepoäng
Managing Big Data for Economic Policy Analysis, 7.5 credits

Main field of study
Economics

Subject
Economics

Level
First cycle

Progression
G1F

Date of Ratification
Approved 2024-03-04.
The course syllabus is valid from autumn semester 2024.

Prerequisites
Economics 15 credits and Statistics 15 credits or course credits in time series analysis and regression analysis, and English 6, or the equivalent.

Objectives

After completing this course the student should be able to:

- show understanding of and apply basic statistical tools to process and analyze big data
- critically assess topics in policy evaluation

Content

The course contains:

- computational issues when dealing with big data
- how to collect data, conduct surveys and design experiments
- measurement error
- examples from actual research connected to policy analysis

Type of Instruction

The teaching consists of lectures and seminars.

Examination

The course is assessed with the grades A, B, C, D, E or F.

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The course is examined through an individual assignment and individiual replication exercise 7.5 credits.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail.

Resit examination is offered in accordance with Linnaeus University's Local regulations for courses and examination at the first- and second-cycle levels.

In the event that a student with a disability is entitled to special study support, the examiner will decide on adapted or alternative examination arrangements.

Course Evaluation

A course evaluation should be conducted during the course or in connection with its conclusion. The results and analysis of the completed course evaluation should be promptly communicated to students who have completed the course. Students participating in the next course instance should be informed of the results of the previous course evaluation and any improvements that have been made, no later than at the start of the course.

Required Reading and Additional Study Material

Scientific articles. About 500 pages.