

SYLLABUS

Data and analysis for economics 7.5 credits N0039N

Nationalekonomisk data och analys

Course syllabus admitted: Spring 2022 Sp 4 - Spring 2022 Sp 4

**DECISION DATE
2022-01-14**

Data and analysis for economics 7.5 credits N0039N

Nationalekonomisk data och analys

First cycle, N0039N

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Nationalekonomi	Economics

Main field of study

Economics

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and completed the courses Introductory Microeconomics (N0008N) 7,5 credits, Introductory Macroeconomics (N0011N) 7,5 credits and Basic statistics (S0009M) 7,5 credits, or equivalent, with at least the grade Pass.

Selection

The selection is based on 1-165 credits.

Examiner

Kristina Ek

Course Aim

After completing the course, the student is expected to be able to:

Knowledge and understanding:

- Explain key concepts regarding data collection
- Explain basic concepts in multivariate analysis

Skills and abilities:

- Develop a quantitative survey design based on a relevant research question
- Collect, process and analyse, mainly quantitative data linked to the area of the economist
- Use relevant software to present, process and analyse economic data.
- Present the collected data and the results of the processing and analysis of the data, orally and in writing

Ability to value and critically analyse

- Critically analyse surveys and conclusions based on statistical analysis.

Contents

- Primary- and secondary data
- Design and implementation of survey study/study based on secondary data
- Quantitative methods for economic analysis such as multiple regression analysis, time series analysis and logistic models)
- Inference
- Presentation of data and analysis, in text as well as in tables and figures

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Teaching occurs in the form of self-studies and lectures. The students work on designing and implementing questionnaire- respectively secondary data study. Teaching also occurs in computer labs and during seminars (questionnaire/secondary data design, presentation of data and analysis of data).

The course realization may be in English.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The course is examined through seminars, written assignments and an individual written exam. At the seminars and written assignments, the grades Fail or Pass are given. At the written exam, the grades Fail, Pass, and Pass with honors are given. The grade of the exam determines the grade of the course.

Remarks

Students must register for the courses themselves, or contact ETKS educational administration eduetks@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Replaces the course Statistics 1: survey methods (S0004M).

Literature. Valid from Spring 2022 Sp 4

Djurfeldt och Barmark (red). 2011. Statistisk verktyglåda 2 – multivariat analys. Studentlitteratur.

Reference literature:

Barmark och Djurfeldt. 2020. Statistisk verktyglåda 0 – att förstå och förändra världen med siffor. Studentlitteratur.

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Seminars	U G#	1.5	Mandatory	S21	
0002	Written assignment	U G#	3	Mandatory	S21	
0003	Written exam	U G VG	3	Mandatory	S21	

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Social Sciences, Technology and Arts 2022-01-14

Syllabus established

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2020-02-14