

Course Syllabus

Statistics for Economists 7.5 Credits*, First Cycle

Learning Outcomes

After completing the course, students will be able to:

- Use descriptive economic statistics
- Calculate simple probabilities and handle several common probability distributions
- Conduct statistical inference
- Interpret outputs from regression analysis
- Use statistical software as a resource
- Apply statistics terminology and perform statistical analyses that are presented in written form.

Course Content

The course content presents an understanding of the basic statistical methods that are applied in the fields of business administration and economics. The content includes how various forms of data collection and analysis are carried out and presented. The focus is on graphic and numerical descriptive methods, basic probability theory, discrete and continuous probability distributions, sample distributions, point estimates and confidence intervals as well as parametric hypothesis testing. Analysis also includes relationships between variables, correlation, and simple linear regression. Statistical analyses are performed using relevant software. The results obtained are interpreted and presented in written form.

Assessment

One written exam, 6 credits and one written assignment, 1.5 credits.

Forms of Study

Lectures and computer labs.

Grades

The Swedish grades U–VG.

Grade reporting:

Module 1 Written exam - 6 hp (U-VG)

Module 2 Written assignment - 1.5 hp (U-G)

To be graded pass with distinction (VG) on the course, the module 1 must be passed with distinction (VG) and module 2 with a pass (G).

Prerequisites

General entry requirements and Mathematics 3b or 3c or Mathematics C, Social Sciences 1b or 1a1+1a2, English 6

Subject:

Economics

Group of Subjects:

Economics

Disciplinary Domain:

Social Science, 100%

This course can be included in the following main field(s) of study:

1. Economics

Progression Indicator within (each) main field of study:

1. G1N

Approved:

Approved 29 October 2021

Valid from 29 October 2021