Introductory Statistics, basic course

Single subject and programme course

7.5 credits

Grundläggande statistik, grundkurs

732G01

Valid from:

Determined by
The Quality Board at the Faculty of Arts
and Sciences

Date determined
2007-01-22

Revision date
2012-10-01

Main field of study

Statistics

Course level

First cycle

Advancement level

G1X

Course offered for

- Bachelor´s Programme in Political science and economics
- Bachelor programme in Information Systems Analysis

Entry requirements

Specific entry requirements 5 (Sh A and Ma B), where the requirement of Ma B is substituted by Ma C.

Intended learning outcomes

The aim of the course is that the student should acquire an overview of central concepts and points of view in statistics.

On completion of the course, the student should
- be able to use knowledge about the most common statistical inference methods and probability models,
- have the ability to use statistical methods for analysis of data
- in a knowledgeable way, be able to assess the quality of data and interpret results of analyses.

Course content

The following is studied in the course
- models of descriptive statistics,
- search for and presentation of information in national databases,
- probability models for one and multiple random variables,
- statistical inference with significance testing and interval estimation.

Teaching and working methods

The teaching takes the form of lectures, teaching sessions, computer exercises and project work.
Language of instruction: Swedish.

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Examination

The course is examined through written examination and presentation of a project work.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

Grades

Three-grade scale, U, G, VG

Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is carried out in such a way that both men´s and women´s experience and knowledge is made visible and developed.

Department

Institutionen för datavetenskap