

Introductory Statistics

Single subject and programme course

7 credits

Statistik A

732G70

Valid from: 2010 Spring semester

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

Date determined
2009-12-04

Main field of study

Statistics

Course level

First cycle

Advancement level

G1X

Course offered for

- Business and Economics Programme

Entry requirements

and that the specific entry requirements that apply for admission to the Programme in Business and Economics are satisfied

Intended learning outcomes

On completion of the course, the student should be able to:

- account for basic statistical inference methods and probability models
- apply statistical methods for analysis of data,
- interpret the results of statistical analyses,
- select and use basic sampling methods,

Course content

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

The following is studied in the course

- methodology for descriptive statistics,
- probability models of random variables,
- statistical inference with significance testing and interval estimation,
- simple random selection and stratified selection,
- statistical software.

Teaching and working methods

The teaching takes the form of lectures, teaching sessions, assisted problem solving and computer exercises. The students should also study independently.

Examination

The course is examined through a written examination.

If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it. If the coordinator has instead recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.

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