

# Statistical Methods

Single subject and programme course

7.5 credits

Statistiska metoder

732G60

Valid from:

**Determined by**

The Quality Board at the Faculty of Arts  
and Sciences

**Date determined**

2008-05-19

## Main field of study

Statistics

## Course level

First cycle

## Advancement level

G1X

## Course offered for

- Bachelor programme in Information Systems Analysis

## Entry requirements

and the specific entry requirements that apply for admission to the Bachelor's Programme in Information Systems Analysis.

## Intended learning outcomes

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

- describe measures and diagrams that are fundamental in statistics
- use knowledge of the most common statistical inference methods
- apply statistical methods to analyse of data
- carry out elementary statistical analyses on secondary data.

## 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 course covers:

- Descriptive measures that provide clarity to a data
- Various types of diagrams
- Index theory
- Probability concepts
- Normal distribution
- Binomial distribution
- Hypothesis test, confidence interval
- Simple linear regression and prediction intervals
- test of independence.

## Teaching and working methods

Apart from self-study, the teaching comprises lectures, teaching sessions and supervision in connection with a compulsory project.

## Examination

The course is examined through a written examination and through project presentations in report form.

## 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