ML1604 Applied Statistics, Basic Course 6.0 credits

Tillämpad statistik, grundkurs

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for ML1604 valid from Spring 2020

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completed course, the students should be able to:

- choose and use methods, as well as understand concepts from the different areas of the course, to solve both theoretical and applied problems in statistics and probability theory
- follow and conduct mathematical reasoning to solve and present solutions in a structured manner, with correct mathematical language

Course contents

Basic probability theory, including

- basic theorems and definitions
- common probability distributions
- concepts within reliability

Basic statistics, including

- descriptive statistics
- point and interval estimation
- hypothesis testing
- regression analysis

Examination

- TEN1 - Written examination, 6.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.