



Faculties of Humanities and Theology

HTXN05, Linguistics and Cognitive Science: Statistical Analysis for Behavioural Sciences II, 7.5 credits

Språk- och kognitionsvetenskap: Statistisk analys för beteendevetenskaper II, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by the programmes director by delegation from the pro-dean for first- and second-cycle studies on 2012-10-10 to be valid from 2012-10-10, spring semester 2013.

General Information

The course is offered as an elective component of Master's programmes in Psychology, Cognitive Science or Language and Linguistics. It can normally be included in a first- or second-cycle degree.

Language of instruction: English

The course is normally taught in English, but if both the students and the lecturer agree, it may be taught in Swedish. Such an agreement would depend on both the lecturer and the students having a good knowledge of Swedish.

Main field of studies

Depth of study relative to the degree requirements

Cognitive Science

A1N, Second cycle, has only first-cycle course/s as entry requirements

Psychology

A1N, Second cycle, has only first-cycle course/s as entry requirements

Language and Linguistics

A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course the students shall

Knowledge and understanding

- be able to account for statistical analyses that are usually employed in experimental investigations
- be able to account for the principle of hypothesis testing.

Competence and skills

- be able to select a test that is applicable to their own data
- be able to formulate and test a hypothesis for an investigation
- be able to interpret the results of the test
- be able to communicate the results in writing.

Judgement and approach

- be able to judge if a statistical analysis used in someone else's investigation (as published in a scientific journal, for example) is appropriate for the design of the investigation.

Course content

The course primarily focuses on statistical inference, i.e. hypothesis testing, analysis and reporting of results. The students are expected to bring their own experimental results to the course. The course will address different types of analysis depending on the data provided by the students.

Course design

The teaching includes lectures, compulsory practical exercises and compulsory home assignments.

Assessment

The assessment is based on oral and written presentations of the statistical analysis.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

To be admitted to the course, students must have a Bachelor's degree including 60 credits in one of the subjects Psychology, Cognitive Science or Linguistics, or the equivalent and have completed the course HTXN04 or the equivalent.

Further information

1. The course is offered at the Humanities Laboratory, Lund University.
2. The credits allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree. For further details see the current registration information and other relevant documentation.

Subcourses in HTXN05, Linguistics and Cognitive Science: Statistical Analysis for Behavioural Sciences II

Applies from H12

1201 Statistical Analysis for Behavioral Sciences II, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction

Applies from V12

1201 Statistical Analysis for Behavioral Sciences II, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction