Quantitative methods of analysis in library and information science
Kvantitativa analysmetoder i biblioteks- och informationsvetenskap
7.5 credits
7.5 högskolepoäng

Ladok Code: FBIKA01
Version: 1.0
Established by: The Research education committee in Library and Information Science 2014-11-18
Valid from: Autumn 2014

Education Cycle: Third cycle
Research Subject: Library and Information Science
Prerequisites: Applicants are required to hold the qualifications stipulated in the general study plan for doctoral studies (see Decision 962-10-83, FoU 2010/9). Bachelor in Library and Information Science or the equivalent.
Grading Scale: Fail (U) or Pass (G)

Content

- Descriptive and inferential statistics
- Probability theory
- Sampling issues
- Covariance and causality
- Hypothesis testing
- Bibliometric applications
- Clustering, ordination and other multivariate methods
- Evaluating methods
- Limitations and applicabilities of quantitative approaches

Learning Outcomes

After completion of the course doctoral student shall, with respect to skills and Abilities:

- be able to conduct quantitative analysis on a given set of data with the assistance of available software, with uni-, bi- and multivariate methods of analysis
- be able to master an independent work with at least one bivariate ad one multivariate method of analysis
- be able to visualize statistical analysis with available software with respect to assessment and approaches
- be able to assess the trustworthiness of a quantitatively oriented research project, based on e.g. reliability and validity
- be able to assess the applicability of quantitative methods on research problems within Library and Information Science

Forms of Teaching

Tuition is conducted in the form of lectures, exercises, seminars and labs. Tuition is given in English.

The language of instruction is English.

Forms of Examination

The course is examined through written assignments and a seminar. Doctoral student is graded pass (P) or fail (F). Grades are expressed as either Pass or Fail.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.
Literature and Other Teaching Methods

The first two books are similar, and the doctoral student choose what he/she wants to read.


OR


Additional material in the form of seminar readings and instruction material for workshops is needed, as well as additional literature for assignment tasks may be.

Student Influence and Evaluation

Doctoral student shall be involved in further development of the course and are therefore given the possibility to assess the course in a systematical way by written or oral means. How this assessment falls out and how it affects further development will be reported back to doctoral students. For course evaluation, the standard University College of Borås rules as of 7 June 2005 apply, dnr 56-02-10.

Miscellaneous

Doctoral student admittance is prioritized before any other student can be admitted. The doctoral student should be given the rights to install necessary software on hardware provided by the university, or the university should, in the shortest time possible, install such software for the doctoral students to use.