

Course Syllabus

Data collection and data quality 5 Credits, Third Cycle

Learning Outcomes

On completion of the course students will be able to

- describe and understand the importance of various types of data and forms of data collection with focus on quantitative data in micro-data analysis,
- evaluate various types of data and types of data collection, with respect to the dimensions of data quality and the existing laws and regulations for data collection, storage and dissemination,
- develop a new data collection system to address a research question of interest.

Course Content

The course considers various types of data as well as various forms of data collection, for example survey data, the collection of data over time, demographic data collection via official register, data collected by means of different types of sensors, data collection for qualitative investigation, selection analysis and experimentation. Data quality is studied as the integral part of data collection. Data quality dimensions, the standards of data quality suggested by recognized agencies, and importance of metadata will be discussed. Throughout the course the ethics and the laws regulating data collection, storage and dissemination, and the connection between the collection and storage of data will be analyzed.

Assessment

The course is examined through an individual project connected to the doctoral student's thesis project, preparation and reporting, 2 credits (U-G), laboratory reports, 1 credits (U-G) and individual assignments, 2 credits (U-G). A prerequisite for grading is that students actively participate in at least two thirds of timetable lectures, workshops and meetings.

Forms of Study

Lectures, laboratory work, project work and seminars.

Grades

The Swedish grades U–G.

Grade Report:

Module 1: Individual project connecting to the thesis project, preparation and reporting, 2 credits

Module 2: Laboratory reports, 1 credit

Module 3: Individual assessment, 2 credits

To receive Pass (G) in the course, the student must receive Pass (G) in all modules.

Prerequisites

Eligible students are those who fulfil the general requirements for PhD studies. Students must be familiar with the basics of qualitative and quantitative research before joining the course.

Other Information

A maximum of five examinations are possible. Instruction is in English, and examinations are in English, unless stated otherwise.

The course can be credited in the research subjects in Educational Work and Care Sciences.

Subject:

Microdata Analysis

Approved:

Approved 4 December 2012

Valid from 4 December 2012