

EKHM99, Data Management for Research, 7.5 credits

Datahantering för forskning, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Board of the Department of Economic History on 2025-06-09. The syllabus comes into effect 2025-06-09 and is valid from the spring semester 2026.

General information

This is a graduate level course for second year master students.

Language of instruction: English

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*Main field of
study*

Specialisation

Economic History A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

At a general level, the student shall acquire advanced knowledge in the use and management of quantitative data for research purposes. More specifically, the students will be able to:

Knowledge and understanding

- develop knowledge and understanding of different types of data and their suitability for specific research questions
- develop knowledge and understanding of how to manage and operationalize data in alignment with theory
- develop knowledge and understanding of different types of variables and their suitability for specific research questions

Competence and skills

- assess data quality, clean data, and handle missing data
- create different types of variables from existing data and/or original sources
- combine datasets
- develop data management syntax
- document variable construction to facilitate replication
- create datasets for analysis based on original sources
- present results in oral and/or written form

Judgement and approach

- critically assess and process data to test specific theories and answer research questions

Course content

To carry out a research project, datasets must be manipulated to create study populations and variables appropriate to the research question, and the data must be formatted to meet the requirements of the intended statistical analysis. The aim of this course is to provide students with advanced knowledge of the use and management of data for research purposes. The course will be primarily hands-on, employing various types of data. It will cover the appropriate selection of datasets and variables to answer research questions, along with issues related to data quality, data cleaning, the handling of missing data, and the organization of data. The necessary steps to prepare datasets for statistical analysis will be taught.

Course design

The course is designed as a series of lectures and labs. Each session will include theoretical discussions on various aspects of data selection and management, as well as hands-on demonstrations of the necessary steps for handling data and producing datasets for statistical analysis. Students will engage in both individual and group exercises and projects. They will present their work and provide feedback on each other's work. Students will also critically evaluate the use of data in published papers.

Assessment

Grading is based on individual performance via written exams, assignments, papers, presentations and other compulsory activities. Examination may draw on teaching as well as the course literature.

The University views plagiarism very seriously, and will take disciplinary actions against students for any kind of attempted malpractice in examinations and assessments. The penalty that may be imposed for this, and other unfair practice in examinations or assessments, includes suspension from the University.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: U=Fail, E=Sufficient, D=Satisfactory, C=Good, B=Very Good, A=Excellent

Grade (Definition): Characteristic

A (Excellent). A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good). A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good). The result is of a good standard with regard to theoretical depth, practical relevance, analytical ability and independent thought and lives up to expectations.

D (Satisfactory). The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient). The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail). The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

To pass the course, the students must have been awarded the grade of E or higher.

Students who do not obtain grades A-E on their written class room exam will be offered opportunities to retake the exam in which case the student will be assessed according to regular procedure. In the case of home exams that are handed in after the set deadline the teacher can: a) hand out a new exam which will be assessed according to regular procedure, b) may penalize the student by handing out a lower grade on the assignment in question unless the student can demonstrate special circumstances for the delay.

Entry requirements

Students accepted for the second year of the master programmes Global Development, Population and Economic Change, Economic Development and Growth or Economic Growth, Population and Development, and students that have already acquired the equivalent knowledge are qualified for this course.

Further information

The course cannot be included in a degree together with EKHT24.

When the syllabus is discontinued, students have the right to be examined according to this syllabus once per semester during a transition period of three semesters.