



School of Economics and Management

## EEH037F, Basic econometrics, 7.5 credits

### *Grundläggande ekonometri, 7,5 högskolepoäng*

Third Cycle / Doktorandnivå

---

#### Details of approval

Approved by the Board of the Department of Economic History, Lund University School of Economics and Management 2021-06-15. Revised by the Board of the Department of Economic History 2023-05-09.

#### General Information

This is a course for students enrolled in PhD programs in Economic History in Sweden. The language of instruction is English.

#### Learning outcomes

On a general level the student will acquire knowledge and skills in the use of econometrics in economic history. More specifically, to pass the assessments students will be able to:

#### Knowledge and understanding

- demonstrate knowledge about basic concepts in statistics;
- understand what is an ordinary least squares regression and how a regression line is constructed;
- understand the differences between simple and multiple linear regressions;
- demonstrate knowledge about basic concepts in econometric regression analysis;

#### Competence and skills

- be able to translate research questions in economic history into testable statistical hypotheses;
- run basic regression analysis using a computer software;

#### Judgement and approach

- interpret as well as discuss the results from analysis conducted in existing research using theory and tools learned from the course.

## Course content

The course will cover basic theory and methods relating to simple linear and multiple linear regression methods. It teaches how to apply these methods through examples from the literature and enables participants to understand and read the analysis conducted in existing research. The course also introduces computer software for quantitative analysis. The course introduces students to methods for how to analyze a quantitative problem using econometric analysis, and how to report and discuss the results.

## Course design

The course is designed around lectures and labs. Lectures will either take place online or on campus. If the course is given on campus, it will be concentrated to a few occasions to enable students from different universities to participate on site.

Students are strongly recommended to participate at all teaching occasions.

## Assessment

Grading is based on individual performance, via written exams, papers, presentations, and other mandatory activities. The examination may draw on information presented in class as well as the course literature.

Plagiarism viewed to be very serious and we 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.

## Grades

Marking scale: Fail or Pass

## Entry requirements

Students admitted to doctoral education in economic history in Sweden are eligible to take the course.

## Further information

This course cannot be included in the same degree as EKHM12, EKHM21, EKHM25, EKHM62, EKHM65 and EEH006F.