STK131 Statistics 2A: Applied regression analysis, 7.5 credits

Statistik 2A: Tillämpad regressionsanalys, 7,5 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Economics on 2020-02-06 and was last revised on 2020-07-01 to be valid from 2020-08-31, autumn semester of 2020.

Field of education: Social Sciences 100%
Department: Department of Economics

Position in the educational system

The course is a 7.5 credits course in statistics within the first-cycle level.

The course can be part of the following programmes: 1) European Studies Program (S1EUR) and 2) Program in Political Science (S1STV)

Main field of studies	*Specialization*
Statistics	G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Entry requirements

Admission to the course requires previous knowledge of 15 credits in statistics or equivalent.

Learning outcomes

On successful completion of the course the student will be able to:

1. understand and use methods of regression analysis of continuous as well as of categorical data, and specifically to do this using Stata.
2. critically asses statistical material and methods and relate to their limitations.

 How overall learning goals for the bachelor's degree are related to the learning outcomes of the course:

Overall learning goals	Learning outcomes
Knowledge and understanding	1
Skills and abilities	1
Judgement and approach	2

Course content
The course expands and deepens the knowledge acquired in Statistics 1. The course includes methods to analyze and interpret relationships, both linear and non-linear, between two or more quantitative and qualitative variables, using regression analysis. The main focus is on providing practically applicable skills.

Form of teaching
The course content is presented in literature and in individual supervision of reading and work on exercises.

Language of instruction: Swedish
Teaching activities in English may occur.

Assessment
Assessment is done by a written exam.

If a student, who has failed the same examined element on two occasions, wishes to change examiner before the next examination session, such a request is to be submitted to the department in writing and granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, though at most two years after the course has ceased/been changed. The same applies to work experience and VFU, although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).

Course evaluation

Course evaluation is done digitally and anonymously at the end of the course.
 The survey material is compiled and the results from the course evaluation and proposals for possible improvement measures are discussed at the course committee meeting. After the course evaluation is completed, the result will be published at the course homepage.
 If a change of course is done based on the course evaluation, this will be communicated at the course introduction for the upcoming student group.

Additional information

1. Transitional rules: The course replaces the course Statistics 2A: Applied regression analysis, STK130.
 2. Limitations: The course may not be included in the same degree as STG160, STG180, STG181 or STK130.