



Faculty of Arts and Social Sciences
Business Administration

Syllabus

Advanced data analysis method with fsQCA

Course Code:	FEA102
Course Title:	Advanced data analysis method with fsQCA <i>Avancerad dataanalysmetod med fsQCA</i>
Credits:	5
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:

FOA (Business Administration)
IEA (Industrial Management)

Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2024-05-15, and is valid from the Autumn semester 2024 at Karlstad University.

Prerequisites

90 ECTS credits, including at least 30 ECTS credits at the G2F level or higher, in the social, behavioural, or natural sciences, at least 2 years of work experience in a relevant professional area, and upper secondary level English 6 or A, or equivalent

Learning Outcomes

Upon completion of the course, students should be able to:

1. explain the basic principles of fsQCA,
2. analyse data using fsQCA, and
3. discuss the limitations and reliability of the method.

Content

The course introduces systematic analysis of quantitative and qualitative data with the help

of fuzzy set Qualitative Comparative Analysis (fsQCA). FsQCA is an advanced mixed method which consists of an analytical technique for studying complex social phenomena. The method can be used to compare different empirical cases to find causal patterns between conditions, specifically necessary and sufficient conditions that produce a certain outcome. The method is applied in order to understand complex causal relationships between different conditions and outcomes.

The course is divided into five modules: 1) The basic principles of QCA, ii) Calibration of data, iii) Analysis of necessary conditions, iv) Analysis of sufficient conditions, and v) Presentation of results.

Students participate actively in lectures and exercises for each module. The course requires continuous reading, participation in seminars, written assignments, practical exercises, and presentations.

Reading List

See separate document.

Examination

Assessment is based on individual written hand-in assignments and active participation and reflection in seminar discussions.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.