University of St.Gallen

Course and Examination Fact Sheet: Autumn Semester 2023

3,307: Quantitative Methods

ECTS credits: 4

Overview examination/s

(binding regulations see below)
central - Analog written examination, Analog, Individual work individual grade (70%, 90 Min.)
Examination time: Lecture-free period
decentral - Written work, Digital, Individual work individual grade (30%)
Examination time: Term time

Attached courses

Timetable -- Language -- Lecturer
3,307,1.00 Quantitative Methods -- English -- Lopes da Fonseca Mariana
3,307,2.00 Quantitative Methods: Exercises -- English -- Steinert Christoph

Course information

Course prerequisites

None.

Learning objectives

At the end of this course, students will have acquired solid training in the basics of descriptive and inferential statistical research methods. This includes knowledge of the elementary mathematical techniques and probability theory related to the foundations of statistical methods. Furthermore, students will also be familiar with basic techniques of preparing, managing, visualizing, and analyzing statistical data using a computer software.

Course content

This course provides a systematic introduction to the techniques and instruments of basic quantitative methods in the social sciences. The course is divided into three main parts. The first part deals with questions related to quantitative research design, measurement, and descriptive statistics. Part two covers basic topics of univariate statistics, such as point estimation, interval estimation, and hypothesis testing. The final part is concerned with the skills needed to understand critically discuss social science research that uses statistical methods.

Course structure and indications of the learning and teaching design

Weekly: 12 lectures, 6 exercises.

Course literature

Required readings: Agresti, Alan and Finlay, Barbara. 2017. Statistical Methods for Social Sciences, 5th Edition.
Additional literature and materials: tba.

Additional course information

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Examination information

University of St.Gallen

Examination sub part/s

1. Examination sub part (1/2)

Examination modalities

Examination type	Analog written examination
Responsible for organisation	central
Examination form	Written exam
Examination mode	Analog
Time of examination	Lecture-free period
Examination execution	Synchronous
Examination location	On Campus
Grading type	Individual work individual grade
Weighting	70%
Duration	90 Min.

Examination languages

Question language: English
Answer language: English

Remark

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Examination-aid rule

Closed Book

The use of aids is prohibited as a matter of principle, with the exception of pocket calculator models of the Texas Instruments TI-30 series and, in case of non-language exams, bilingual dictionaries without any handwritten notes. Any other aids that are admissible must be explicitly listed by faculty members in the paragraph entitled “Supplementary aids” of the course and examination fact sheet; this list is exhaustive.

Procuring any aids, as well as ensuring their working order, is the exclusive responsibility of students.

Supplementary aids

None.

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2. Examination sub part (2/2)

Examination modalities

Examination type	Written work
Responsible for organisation	decentral
Examination form	Written work
Examination mode	Digital
Time of examination	Term time
Examination execution	Asynchronous
Examination location	Off Campus
Grading type	Individual work individual grade
Weighting	30%
Duration	--

Examination languages

Question language: English
Answer language: English

Remark

University of St.Gallen

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Examination-aid rule
Free aids provision

Basically, students are free to choose aids. Any restrictions are defined by the faculty members in charge of the examination under supplementary aids.

Supplementary aids
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Examination content
Exam-relevant materials are the lecture slides and other lecture materials (e.g. computer scripts), the exercises as well as the required and (if explicitly indicated in the syllabus) complementary readings.

The topics include quantitative research design, measurement, and descriptive statistics, basic topics of univariate statistics, such as point estimation, interval estimation, and hypothesis testing, and finaslly critically discussing social science research that uses statistical methods.

Examination relevant literature
Required readings: Agresti, Alan and Finlay, Barbara. 2017. Statistical Methods for the Social Sciences, 5th edition.
Further readings: tba. (until the end of the lecture period).

Please note

Please note that only this fact sheet and the examination schedule published at the time of bidding are binding and takes precedence over other information, such as information on StudyNet (Canvas), on lecturers' websites and information in lectures etc.

Any references and links to third-party content within the fact sheet are only of a supplementary, informative nature and lie outside the area of responsibility of the University of St.Gallen.

Documents and materials are only relevant for central examinations if they are available by the end of the lecture period (CW51) at the latest. In the case of centrally organised mid-term examinations, the documents and materials up to CW 42 are relevant for testing.

Binding nature of the fact sheets:

- Course information as well as examination date (organised centrally/decentrally) and form of examination: from bidding start in CW 34 (Thursday, 24 August 2023);
- Examination information (supplementary aids, examination contents, examination literature) for decentralised examinations: in CW 42 (Monday, 16 October 2023);
- Examination information (supplementary aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 45 (Monday, 06 November 2023);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before the end of the de-registration period in CW 45 (Monday, 06 November 2023).