

B.Sc. Course (Elective Module Bachelor Study Phase 1)**Statistik 2 (Statistics 2)****Course number 22021 (Tutorial 22022)****Examiner** Prof. Dr. Daniel Rösch**Instructor** Dr. Maximilian Nagl**Tutorial** Student assistants

Course Objectives The primary objective of this course is to gain knowledge for the theory and application of inductive statistics and regression analysis. After this course students should be able to conduct estimation and test procedures as well as regression analysis. Contents of this course are strongly related to economic relationships.

In short, the topics covered in the course include:

- Estimation functions
- Point estimation
- Introduction to least squares and maximum likelihood estimation
- Confidence intervals
- Statistical tests
- Regression analysis

Primary Learning Outcomes Students acquire basic knowledge in inductive statistics and regression analysis. After this course, students should understand general concepts of statistical tests and should be able to learn and conduct new statistical tests on their own. Contents are complemented by examples in an accompanying tutorial.

Prerequisites None

Applicability of the BSc Module WiWi - BSc - Quantitative Grundlagen BWL/VWL/IVWL
WiWi - BSc - Quantitative Grundlagen WI

Frequency Summer term**Recommended Semester** 2**Examination** Written exam, 90 minutes

Workload Workload:
Overall: 180h (6 ECTS * 30h)
Hours of presence: 60h
Selfstudy: 120h

Credit Points 6 ECTS

Last updated: March 11, 2024