Universität Regensburg

FAKULTÄT FÜR
WIRTSCHAFTSWISSENSCHAFTEN
Lehrstuhl für Statistik und
Risikomanagement

B.Sc. Course (Elective Module Bachelor Study Phase 1)
Statistik 2 (Statistics 2)
Course number 22021 (Tutorial 22022)

Examiner Prof. Dr. Daniel Rösch

Instructor Prof. Dr. Daniel Rösch

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