

Module title				Abbreviation
Econometrics				12-QWF-G-242-m01
Module coordinator			Module offered by	
holder of the Chair of	Econometrics	Faculty of Business Management and Economics		
ECTS Method of grading		Only after succ. compl. of module(s)		
5 numerical grade				
Duration Module level		Other prerequisites		
1 semester undergraduate				
Description: This module deals with random variables and their statistical distributions as well as with the basic terms and methods of inferential statistics. Some of the most famous distributions such as the normal, binomial, poisson or the exponential distribution are introduced in the first half of the course. The second half deals with the fun- damental concepts and techniques used in inferential statistics, including interval estimation and the constructi- on, application and interpretation of hypothesis tests. Additionally, an introduction to multiple regression analy- sis is given towards the end of the course. The knowledge and skills acquired in this course serve as a prerequisite for the course "Computerprakti- kum" ("Computer Lab in Regression Analysis") and the subsequent Master's course "Ökonometrie I" ("Econome- trics I"). Outline of syllabus: 1. Random variables and their distributions 2. Distribution parameters 3. On the importance of the normal distribution 4. Central limit theorems 5. Inferential statistics 6. Interval estimation 7. Hypothesis testing 8. Regression analysis				
Intended learning outcomes				
Students acquire a basic knowledge of the techniques necessary for the analysis of random events. They will be familiar with different distributions and their respective parameters. Apart from basic estimation methods for these unknown parameters, students learn how to construct and interpret common statistical tests and are able to apply these to specific economic or business questions. Additionally, students acquire a basic understanding of ordinary least square (OLS), enabling them to read simple scientific papers and to apply these tools to scientific questions.				
Analysis" and the subsequent Master's course "Econometrics I".				
Courses (type, number of weekly contact hours, language — if other than German)				
V (2) + T (2)				
METNOD OF ASSESSMENT (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)				
written examination (approx. 60 to 120 minutes) creditable for bonus				
Allocation of places				
Additional information				

8 83

Workload

150 h

Teaching cycle

Referred to in LPO I (examination regulations for teaching-degree programmes)

Module appears in

Bachelor' degree (1 major) Business Information Systems (2024) Bachelor' degree (1 major) Business Management and Economics (2024) Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2024)

JMU Würzburg • generated 29.03.2024 • Module data record 142088