

Statistical Inference					
Course code CIF62060	student workload 90 hours	credits (according to ECTS) 4.5 ECTS	semester Sem. 6	frequency each even-semester	duration 16 meetings
1	Types of courses elective	contact hours 63 hours	independent study 27 hours	class size 40 students	
5	Prerequisites for participation Completed Artificial Intelligence				
2	Learning outcomes IF-ILO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements. IF-ILO-7 Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks. IF-ILO-10 Graduates are able to analyze, design, build and evaluate an intelligent system that has the ability to learn from the environment.				
3	Subject aims <ol style="list-style-type: none"> 1. Students understand the basic principles of statistical inference 2. Students are able to apply estimation and test methods to analyze single variables or the relationship between two variables to understand natural phenomena and make data-based decisions 3. Students are able to use software to display data numerically and visually and perform data analysis 				
4	Teaching methods lectures, case study, class discussion, presentation				
6	Assessment methods				

	assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment
8	This module is used in the following degree programmes as well Informatics Engineering
10	Responsibility for module <i>Name of lecturers</i>
11	Other information 1. George Casella, Roger L. Berger. Statistical Inference (Second Edition). Wadsworth Group, 2002