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Type of	le		Module Code								
Advance	d Mod	ule			AM-Statistics						
Identification Number		Workload	Credit Points	Term		Offered Every		Start		Duration	
MSc-M- Statistik		180 Hours	6 CP	1. – 3. Semester		variable		Both possible		1 Semester	
1 Cou		se Types		Contact Time		Private St		udy	Plai	Planned Group	
a) Lec		cture		30 h		60 h				Size	
b) Ex		rercise		30 h		60 h		30 s		students	
2	Module Objectives and Skills to be Acquired										
	Students should, upon successful completion, have the ability to examine data using common statistical methods and critically evaluate new statistical methods for examining data.										
3	B Module Content										
	Basic principles of inferential statistics: estimation, testing, confidence intervals, regression; selected parametric and nonparametric methods; basic principles of statistical decision theory; Monte Carlo simulation.										
4	Teaching Methods Lecture, Exercise										
5 Prerequisites (for the Module)											
	Formally: None										
	Regarding the contents: Contents corresponding to the module "Introduction to Stochastics".								".		
6	Type of Examination										
	Written exam or oral exam										
7	Credits Awarded										
	The module is passed and the credit points are awarded if the 120-180 - minute final exam is passed or the 30-45 - minute oral final exam is passed. Admission requirement for the examination is the regular successful completion of the exercise tasks. The exact requirements will be announced by the respective lecturer at the beginning of the course. Registration is required to take the final examination; a repeat examination will be offered in due course. Repeated participation in the lecture and exercises in preparation for a retake of the final exam is possible. The module will be graded.										
8	Compatibility with other Curricula										
	The module can be used in the masters programs in mathematics, business mathematics and computer science.										
9	_	Proportion of Final Grade 9/114									
10	Module Coordinator Prof. Dr. Peter Mörters										

11	Further Information