

Module title		Abbreviation
Statistics 2		o6-HCI-B-STAT-2-242-m01
Module coordinator		Module offered by
holder of the Professorship of Psychological Research Methods		Institute of Human Computer Media
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
The module provides advanced knowledge of inferential statistics (sampling, estimation principles, confidence intervals, theory of Null hypothesis testing, parametric and nonparametric methods for univariate and bivariate data sets, tests of equivalence, contingency table analysis, analysis of variance). After the principles of statistical data analysis are discussed, computational procedures using computer-based data analysis are trained with examples and tested in the final exam.		
Intended learning outcomes		
Students possess knowledge of various inferential procedures and their foundations as well as the ability to select adequate statistical methods for testing empirical questions e.g. from evaluation research, perform these correctly, display the results reasonably and interpret them correctly.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (4) + Ü (2) Module taught in: German and/or English		
Method 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. 120 minutes) Language of assessment: German and/or English creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
Teaching cycle: every semester		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor's degree (1 major) Human-Computer-Interaction (2024)		