Module title			Abbreviation
Statistics 1			06-HCI-B-STAT-1-242-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)