

Module title		Abbreviation
Advanced methods of data analysis		o6-HCI-METH-142-mo1
Module coordinator		Module offered by
holder of the Chair of Psychological Ergonomics		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	graduate	--
Contents		
<p>Descriptive statistics, correlations and the comparison of two or several mean values are basic methods of data analysis. This course will acquaint students with advanced statistical methods such as repeated-measures one and multiple-way analysis of variance, process and conjoint analysis, and exploratory as well as confirmatory factor analysis. Each session will include examples of applications and will provide students with an insight into the numerous capabilities of different methods of data analysis. At the end of the semester, students will sit a graded written examination.</p>		
Intended learning outcomes		
<p>German intended learning outcomes available but not translated yet.</p> <p>Nach der Teilnahme an diesem Module kennen die Studierenden fortgeschrittene Methoden der Statistik und können diese in wissenschaftlichen Texten verstehen und einordnen. Die Studierenden sind in der Lage die Methoden bezüglich Vor- und Nachteile gegenüberzustellen um für eine spezifische Problemstellung die geeignetste Methode auszuwählen. Des weiteren beherrschen sie die Grundschrirte der Anwendung dieser Methoden.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
S (no information on SWS (weekly contact hours) and course language available)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with handout (approx. 2 pages) or c) presentation of project results (approx. 20 minutes) or d) term paper (approx. 10 pages) or e) a total of approx. 5 hours of completing exercises or f) oral examination (approx. 35 minutes)</p> <p>Language of assessment: German, English</p>		
Allocation of places		
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Additional information		
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Workload		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Human-Computer-Interaction (2014)		