Module title			Abbreviation
Data Analysis and Interpretation			06-EST-ANI-232-m01
Module coordinator		**Module offered by**	
holder of the Chair of Integrative and Experimental Exercise Science and Training		Institute of Sport Science	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

Basic and advanced methods of statistical evaluation of data (e.g. data management, explorative data analysis, descriptive statistics, analytical statistics, measures of association, correlations, regressions, analysis of variance). Aspects of the selection, applicability and evaluation of statistical methods are discussed, analyzed and applied. Methods for the visual processing of data are discussed, analyzed and applied.

Intended learning outcomes

Students acquire methodological skills in basic and advanced methods of statistical evaluation of data. They know and understand these methods, can evaluate and compare them with other methods. The students can select and apply the appropriate statistical methods for specific questions of the subject and are able to interpret the results.

Courses (type, number of weekly contact hours, language — if other than German)

S (2)
Module taught in: 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)

Assessment group Seminar:
a) oral examination of one candidate each (approx. 30 minutes) or
b) presentation (15 to 30 minutes) with written elaboration (10 to 15 pages) or
c) portfolio (15 to 20 pages)
Language of assessment: English

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

Teaching cycle: once a year

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Exercise Science and Training (2023)