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, exploratory data analysis, descriptive statistics, analytical statistics, correlation measures, correlations, regressions, analysis of variance). Aspects of the selection, applicability and evaluation of statistical methods are discussed. Methods for the visual processing of data are discussed.

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 (15-20 pages)
Language of assessment: English

Allocation of places

--

Additional information

--

Workload

150 h

Teaching cycle

Teaching cycle: once a year

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

--

Module appears in

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