Module title	Abbreviation
Statistics	06-PSY-STAT-092-m01

Module coordinator	Module offered by
holder of the Professorship of Psychological Research Methods	Institute of Psychology

ECTS	Method of grading	Only after succ. compl. of module(s)
12	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	--

Contents

The module teaches the basics of descriptive and inferential statistics (descriptive statistics, graphs, regression and correlation analysis, probability theory, Bayesian, distributions, sampling techniques, estimation principles, confidence intervals, theory of null hypothesis testing, parametric and non-parametric methods for uni- and bivariate records, contingency table analysis, analysis of variance). The principles of statistical analysis of data will be discussed in a lesson on the basis of examples. The practical application of the methods is trained in tutorials with the help of calculating exercises.

Intended learning outcomes

The module teaches the basics of descriptive and inferential statistics (descriptive statistics, graphs, regression and correlation analysis, probability theory, Bayesian, distributions, sampling techniques, estimation principles, confidence intervals, theory of null hypothesis testing, parametric and nonparametric methods for uni- and bivariate records, contingency table analysis , analysis of variance). The principles of the statistical analysis of data will be discussed in a lesson with examples. The practical application of the method is trained in tutorials by calculating exercises.

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

This module comprises 2 module components. Information on courses will be listed separately for each module component.
- 06-PSY-STAT-1-092: S + Ü (no information on SWS (weekly contact hours) and course language available)
- 06-PSY-STAT-2-092: S + Ü (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)

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 06-PSY-STAT-1-092: Statistics 1 Statistics 1
- 6 ECTS, Method of grading: numerical grade
- written examination (approx. 120 minutes)

Assessment in module component 06-PSY-STAT-2-092: Statistics 2 Statistics 2
- 6 ECTS, Method of grading: numerical grade
- written examination (approx. 120 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)
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Module appears in
Bachelor' degree (1 major) Psychology (2009)
Bachelor' degree (1 major) Psychology (2010)
Bachelor' degree (1 major) Human-Computer Systems (2010)