Module title	Abbreviation
Advanced module: Data Analysis 4B	06-AM-DA4B-112-m01

Module coordinator	Module offered by
holder of the Chair of Quantitative Methods in the Social Sciences	

ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	Not to be combined with 06-AM-DA4A.

Contents

techniques of logistic regression using statistical software like SPSS, SAS, R, or STATA: deduction of hypotheses from theories in political sociology; frequencies, probabilities, odds, odds ratios and logits; construction of hierarchical models; philosophy of maximum likelihood estimation; -2LL und Pseudo-R2 as measures of proportional reduction in error (PRE); calculation and interpretation of Wald-tests for linear effects, effects of categorial factors, nonlinear effects, and interaction effects; calculation of conditional predicted values; prerequisites of logistic regression models; oral and written discussion and presentation of logistic regression models

Intended learning outcomes

Participants aquire the competency to use techniques of logistic regression modelling in statistical software in order to test hypotheses deducted from scientific theories and to present findings both in oral and written form in the scientific community.

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)

a) presentation (approx. 30 minutes) or b) short presentation (maximum 15 minutes) or c) essay (approx. 5 pages) or d) review (maximum 3 pages) or e) exercises (including case trains) as specified by lecturer or f) scientific poster in accordance with the guidelines of scientific working practices, must be submitted electronically (other form optional but not sufficient) or g) log (approx. 2 pages) or h) leading a discussion on a topic specified by the lecturer as part of a course or i) exercises as specified by lecturer or j) attendance of interviewer training course and short presentation (approx. 20 minutes) or k) attendance of interviewer training course and short presentation (approx. 10 minutes) or l) attendance of interviewer training course and 2 short presentations (approx. 10 minutes each)
Assessment offered: once a year
Language of assessment: German, English and other language where required

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) Political and Social Studies (2011)
Bachelor's degree (1 major, 1 minor) Political and Social Studies (Minor, 2011)

Bachelor's degree (1 major, 1 minor) Political and Social Studies (2013)