

Module title		Abbreviation
Data Analysis		o6-BM-DA-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	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Introduction into the calculation of statistics using statistical software like SPSS, SAS, R, or STATA: Data management and data transformations; univariate statistics: measures of central tendency, dispersion and shape; confidence intervals; bivariate statistics: contingency tables and means of subsamples; correlation coefficients, Chi ² -test, t-test, and analysis of variance; classical test theory.		
Intended learning outcomes		
Participants are able to use standard statistical software packages like SPSS, SAS, R oder STATA to organize and transform data. They are able to compute common univariate and bivariate statistics and tests and to perform a classical item analysis.		
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. <ul style="list-style-type: none"> o6-BM-DA-1-112: S (no information on SWS (weekly contact hours) and course language available) o6-BM-DA-2-112: 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)		
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 o6-BM-DA-1-112: Data Analysis 1 <ul style="list-style-type: none"> 3 ECTS, Method of grading: numerical grade a) presentation (maximum 90 minutes) and exercises or b) presentation (maximum 90 minutes) and written examination (approx. 30 minutes) or c) term paper (approx. 10 pages) and written examination (approx. 30 minutes) or d) term paper (approx. 15 pages) and exercises; in each option the 2 components being weighted 2:1 Language of assessment: German, English 		
Assessment in module component o6-BM-DA-2-112: Data Analysis 2 <ul style="list-style-type: none"> 2 ECTS, Method of grading: numerical grade a) presentation (maximum 90 minutes) and exercises, weighted 2:1 or b) presentation (maximum 90 minutes) and written examination (approx. 30 minutes), weighted 2:1 or c) term paper (approx. 10 pages) and written examination (approx. 30 minutes), weighted 2:1 or d) term paper (approx. 15 pages) and exercises, weighted 2:1; numerical grade for all assessments Language of assessment: German, English 		
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)

§ 81 (1) 2. Sozialkunde Soziologie

Module appears in

Bachelor's 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)

Bachelor's degree (2 majors) Political and Social Studies (2011)