

<b>Module title</b>		<b>Abbreviation</b>
Data Analysis: Descriptive and Bivariate Statistics		o6-BM-DA-o82-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Quantitative Methods in the Social Sciences		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	By way of exception, additional prerequisites are listed in the section on assessments.
<b>Contents</b>		
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 <sup>2</sup> -test, t-test, and analysis of variance; classical test theory.		
<b>Intended learning outcomes</b>		
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.		
<b>Courses</b> (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"> <li>o6-BM-DA-1-o82: S (no information on SWS (weekly contact hours) and course language available)</li> <li>o6-BM-DA-2-o82: S (no information on SWS (weekly contact hours) and course language available)</li> </ul>		
<b>Method of assessment</b> (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.		
<b>Assessment in module component o6-BM-DA-1-o82:</b> Data Analysis: Descriptive and Bivariate Statistics 1 <ul style="list-style-type: none"> <li>2 ECTS, Method of grading: numerical grade</li> <li>written examination (90 minutes)</li> <li>Other prerequisites: Module o8-BM-DE is recommended.</li> </ul>		
<b>Assessment in module component o6-BM-DA-2-o82:</b> Data Analysis: Descriptive and Bivariate Statistics 2 <ul style="list-style-type: none"> <li>3 ECTS, Method of grading: numerical grade</li> <li>a) written examination (90 minutes) or b) presentation (approx. 45 minutes) and exercises (expenditure of time to be specified during the course)</li> <li>Other prerequisites: Module o8-BM-DE is recommended.</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Political and Social Studies (2008) Bachelor's degree (2 majors) Political and Social Studies (2009)		

