

<b>Module title</b>		<b>Abbreviation</b>
Advanced Studies in Sociological Theory 5		o6-NF-VS5-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>		
Techniques of ordinary least squares regression using statistical software like SPSS, SAS, R, or STATA: deduction of hypotheses from theories in political sociology; construction of hierarchical models; calculation and interpretation of f-tests and increment f-tests; $R^2$ as a measure of explained variance; t-tests for linear effects, effects of categorical factors, nonlinear effects, and interaction effects; calculation of conditional predicted values; prerequisites of ols regression models; oral and written discussion and presentation of ols-regression models		
<b>Intended learning outcomes</b>		
Participants acquire the competency to use techniques of OLS regression modelling in statistical software in order to test hypotheses deduced from scientific theories and to present findings both in oral and written form in the scientific community.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none"> <li>o6-AM-DA2-1-092: S (no information on language and number of weekly contact hours available)</li> <li>o6-AM-DA2-2-092: S (no information on language and number of weekly contact hours 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)		
This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.		
<b>Assessment component to module component o6-AM-DA2-1-092:</b> Aufbaumodul Datenauswertung 2-1 <ul style="list-style-type: none"> <li>5 ECTS credits, method of grading: numerical grade</li> <li>a) research report (approx. 15 pages) or term paper (approx. 15 pages) or scientific poster (1 page DIN A0)</li> <li>Language of assessment: German or English and in addition French if required</li> <li>Other prerequisites: Empfohlen werden Kenntnisse der Statistik and der Methoden der empirischen Sozialforschung</li> </ul>		
<b>Assessment component to module component o6-AM-DA2-2-092:</b> Aufbaumodul Datenauswertung 2-2 <ul style="list-style-type: none"> <li>5 ECTS credits, method of grading: numerical grade</li> <li>a) research report (approx. 15 pages) or term paper (approx. 15 pages) or scientific poster (1 page DIN A0)</li> <li>Language of assessment: German or English and in addition French if required</li> <li>Other prerequisites: module component o6-AM-DA2-1 is recommended, a knowledge of statistics and of the methods of empirical social research is recommended as well.</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor's degree (1 major, 1 minor) Political and Social Studies (Minor, 2008)