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| Module title | | Abbreviation |
| Introduction to Data Analysis and Statistics I | | o6-PSS-FSQ-Meth1-152-mo1 |
| 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 | | |
| Basic concepts (measurement, scale levels), univariate statistics (frequencies, measures of central tendency, measures of dispersion), basics of inferential statistics, bivariate statistics (cross-tabulation, correlation, t-test), analysis of variance, OLS regression | | |
| Intended learning outcomes | | |
| The students know the most important measures of statistics. They are able to apply these measures adequately to empirical questions, calculate them in the right way and interpret them correctly. They know the assets and drawbacks of the measures covered by the course. They can apply a statistical program to deal with the contents covered by the course. | | |
| Courses (type, number of weekly contact hours, language – if other than German) | | |
| V (2) + Ü (1) Module taught in: German and/or English | | |
| 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) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) written examination (approx. 90 minutes) and 3 to 5 written exercises (approx. 10 hours total), weighted 8:2 Language of assessment: German and/or English | | |
| Allocation of places | | |
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| Additional information | | |
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| Workload | | |
| 150 h | | |
| Referred to in LPO I (examination regulations for teaching-degree programmes) | | |
| § 22 II Nr. 1 h) § 22 II Nr. 3 f) § 56 I Nr. 2 § 81 I Nr. 2 | | |
| Module appears in | | |
| Bachelor' degree (1 major) Political and Social Studies (2015) Bachelor's degree (1 major, 1 minor) Political and Social Studies (Minor, 2015) Bachelor's degree (1 major, 1 minor) Political and Social Studies (2015) Bachelor's degree (2 majors) Political and Social Studies (2015) First state examination for the teaching degree Grundschule Social Science (2015) First state examination for the teaching degree Gymnasium Social Science (2015) First state examination for the teaching degree Mittelschule Social Science (2015) Bachelor' degree (1 major) Political and Social Studies (2020) Bachelor's degree (1 major, 1 minor) Political and Social Studies (2020) | | |

Bachelor's degree (1 major, 1 minor) Political and Social Studies (Minor, 2020)

Bachelor's degree (2 majors) Political and Social Studies (2020)

First state examination for the teaching degree Grundschule Political and Social Studies (2020)

First state examination for the teaching degree Mittelschule Political and Social Studies (2020)

First state examination for the teaching degree Gymnasium Political and Social Studies (2020)