## Module title
Data Analysis: Descriptive and Bivariate Statistics

## Abbreviation
06-BM-DA-072-m01

## Module coordinator
holder of the Chair of Quantitative Methods in the Social Sciences

## Module offered by

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
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## Duration
1 semester

## Module level
undergraduate

## Other prerequisites
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## 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, Chi²-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
This module comprises 2 module components. Information on courses will be listed separately for each module component.
- 06-BM-DA-1-072: S (no information on SWS (weekly contact hours) and course language available)
- 06-BM-DA-2-072: S (no information on SWS (weekly contact hours) and course language available)

## Method of assessment
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 06-BM-DA-1-072:** Data Analysis: Descriptive and Bivariate Statistics 1
  - 2 ECTS, Method of grading: numerical grade
  - written examination (90 minutes)

- **Assessment in module component 06-BM-DA-2-072:** Data Analysis: Descriptive and Bivariate Statistics 2
  - 3 ECTS, Method of grading: numerical grade
  - a) written examination (90 minutes) or b) presentation (approx. 45 minutes) and exercises (expenditure of time to be specified during the course)

## Allocation of places
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## Additional information
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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 (2007)