# Multiple Imputation with STATA – Basics

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| **Instructor:** | Professor Dr Jan Paul Heisig, Berlin Social Science Center (WZB) |
| **Date & Time:** | Monday, 03 June 2024, 09.00 a.m. to 05.00 p.m. (s.t.) <br> & Tuesday, 04 June 2024, 1.00 p.m. to 05.00 p.m. (s.t.) |
| **Place:** | BAGSS, Feldkirchenstraße 21, 96050 Bamberg, Room FG1/00.06 |
| **Registration:** | To register, please send an email to courses.bagss@uni-bamberg.de by May 06, 2024. Registration is mandatory. The number of participants is limited to 16. |

## Short Outline

Complete case analysis (also known as "listwise deletion"), the traditional way of dealing with missing data in quantitative social science, excludes every observation with missing information on at least one variable of interest. While easy to implement, this approach is wasteful and can lead to biased estimates. Multiple imputation (MI) can provide more efficient and unbiased estimates when certain conditions are met. The course will introduce participants to the basic concepts and statistical foundations of MI and to common challenges arising in real-life applications. Hands-on exercises in Stata will show participants how to implement MI in simple settings with cross-sectional data.

The workshop is mainly aimed at doctoral students at BAGSS & LIfBi. In case of any vacant places, it is open to anyone interested.

## Prerequisites

Participants should have a basic understanding of probability theory, good familiarity with regression analysis, and good working knowledge of Stata. Participants who are not familiar with Stata may still benefit from the course but will likely find some of the hands-on exercises quite challenging.

## About the Trainer

Jan Paul Heisig is head of the "Health and Social Inequality" research group at WZB Berlin Social Science Center and Professor of Sociology at Freie Universität Berlin. His research focuses on social inequalities in health, education, and the labor market as well as quantitative methods. He regularly teaches courses on multiple imputation, analysis of multilevel data, and other topics in statistics and data analysis.