

FURTHER EDUCATION | WORKSHOP

Data Management, Advanced Programming and Automation using Stata – Tips and Tricks

- Instructor:** Daniel Bela, Leibniz Institute for Educational Trajectories (LifBi)
- Date & Time:** Monday, February 07, 2022, 9:30 a.m. to 4 p.m. (s.t.)
& Tuesday, February 08, 2022, 12:30 p.m. to 5 p.m. (s.t.)
- Place:** RZ/00.07 at the Computing Center of the University of Bamberg
(Feldkirchenstr. 21, 96052, Bamberg)
- Registration:** To register, please send an email to courses.bagss@uni-bamberg.de by Monday January 17, 2022.
- Registration is mandatory. The number of participants is limited to 15.

PREREQUISITES:

Participants should have at least moderate experience in using Stata; i.e. they should know about data manipulation commands like "reshape" and "merge", and be capable to regularly use them. They are supposed to prepare a short verbal presentation featuring a typical Data Management or Data Analysis task (or a combination of both) they perform on a regular basis to the first session. During the course, this task may serve as an example case of automating procedures with Stata.

TOPICS COVERED:

- different mechanisms for looping, and when to apply them
- local macros, global macros, temporary objects
- writing standalone (reusable, distributable) programs
- version control and project management (showcase only)

SHORT DESCRIPTION:

During the workshop, participants will learn how to efficiently handle problems of data management with Stata, and how to avoid repetition by automating (and programming) tasks. The workshop is not an introduction to Stata, but will feature "best practice" of Stata usage in order to modify existing do-files (or create new ones) to be reproducible, maintainable and efficient. The tips and tricks will refer mainly to data preparation and management, but they can also be used or automation of data analysis. The workshop will present some ideas about these topics, but focus on the interactive work where participants shall learn producing efficient Stata syntax by themselves.



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

About the Trainer

Daniel Bela works as a senior Data Manager for the German National Educational Panel Study (NEPS) since 2010. His main tasks are both conceptualization and implementation of automated routines for data management and preparation, metadata processing, and documentation for the study.