FURTHER EDUCATION AND TRAINING

BAMBERG GRADUATE SCHOOL OF SOCIAL SCIENCES

LIfBi LEIBNIZ INSTITUTE FOR EDUCATIONAL TRAJECTORIES

ANNOUNCEMENT

JOINT WORKSHOP OF BAGSS AND LIfBi

WORKSHOP

Stata I

Instructor	Dr. Gundula Zoch, Leibniz-Institut für Bildungsverläufe (LIfBi)
Time	**Thursday, 04.07.2019: 10:00-12:30 (s.t.) & 13:30-17:00 (s.t.)** **Friday, 05.07.2019: 09:00-12:00 (s.t.) & 13:00-15:00 (s.t.)**
Place	Leibniz-Institut für Bildungsverläufe (LIfBi), Wilhelmsplatz 3, 96047 Bamberg room: 109A
Registration	To register, please send a mail to weiterbildung@lifbi.de Registration is mandatory: the number of participants is limited to 16! **Deadline for registration: 31.05.2019.**

PREREQUISITES

- No prior experience with Stata is required
- Knowledge of syntax-based software (e.g. SPSS, R) is helpful but not required
- Participants need to have an understanding of elementary statistics and basic knowledge of empirical research design (e.g. descriptive statistics, basics of regression analysis). If you are unsure of your level of knowledge please get in touch with the instructor

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SHORT COURSE OUTLINE

The course aims at giving a sound introduction of how Stata can be best used to conduct basic types of statistical analyses. Therefore, the course introduces the typical stages of how to process empirical data analysis, starting with getting the data, rearranging data in the needed formats and applying most frequently used descriptive, bivariate and multivariate analyses. Thereby, the course introduces the general construction and documentation of Stata code using do-files and do-file documentation.

By using cross-sectional data sources, such as individual data or administrative records on federal states-level, we will cover the data management procedures of different data, i.e. importing and exporting data. This is followed by recoding or generating new variables. We will then move to uni- and bivariate statistics, including graphical visualizations. Lastly, we will conduct simple examples of multivariate analyses, such as linear or logistic regressions, and report the results in table or coefficient plots. During the course, special attention is given on developing a workflow routine, using loops and macros, thus, preparing participants for complex analyses.

Although the course cannot cover all Stata commands, however, participants will gather a sound understanding of how to use standard statistical procedures in Stata to proceed to use Stata for their own research. Please note: The course will not cover statistical theory behind the applied statistical methods, thus, conducting linear regression analysis will not include the introduction of relevant assumptions of the linear regression or how coefficients are calculated. Instead, we will briefly discuss how to read the main elements of the Stata output.