



## ANNOUNCEMENT

JOINT WORKSHOP  
OF BAGSS AND LifBi

## WORKSHOP

# Stata I

<b>Instructor</b>	Kerstin Hoenig, Leibniz-Institut für Bildungsverläufe e.V. (LifBi)
<b>Time</b>	Tuesday, 15.11.2016: 09:00-12:00 (s.t.) Tuesday, 22.11.2016: 09:00-12:00 (s.t.) Tuesday, 29.11.2016: 09:00-12:00 (s.t.)
<b>Place</b>	Leibniz-Institut für Bildungsverläufe e.V. (LifBi), Wilhelmsplatz 3, 96047 Bamberg; room: 109 A
<b>Registration</b>	To register, please send a mail to Miriam Schneider ( <a href="mailto:miriam.schneider@uni-bamberg.de">miriam.schneider@uni-bamberg.de</a> ). The registration is mandatory; deadline for registration: October 21, 2016.

## PREREQUISITES

- Basic statistical knowledge is assumed (e.g. descriptive statistics, basics of regression analysis)
- No previous knowledge of Stata is required
- Knowledge of syntax-based software (e.g. SPSS, R) is helpful but not required
- Please note that the course does not give a detailed insight into the statistical procedures and the underlying mathematics, but introduces how to use standard statistical procedures in Stata

## SHORT OUTLINE



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The aim of the course is to introduce how Stata works and how it can be used to conduct descriptive, bivariate and multivariate analyses, but the course does NOT give a detailed insight into statistical techniques or modelling. After attending this course, students will be able to use the basic commands of Stata, understand the basic logic “how Stata does things”, and can then proceed to use Stata for their own analyses. The course cannot cover all Stata commands and procedures. Instead, it will focus on “frequently used methods”. However, as the basic logic is similar for all Stata commands, participants will be able to transfer the knowledge they gain to their specific project.

## TOPICS COVERED

- Why Stata?
- Organizing the Stata screen
- Basics of Stata syntax
- Developing a workflow routine
- Do- and log-files
- How to import and export data
- Basic commands for data management: generate, replace, recode, label
- Basic commands for uni- and bivariate analysis: tabulate, summarize, tabstat, correlate, ttest
- Basics of regression
- Brief overview of post-regression diagnostics
- Interaction terms and factor variables

Depending on the interest of the participants, we may cover (but cannot cover all of the topics):

- Logit models and/or other types of regression models
- Introduction to loops and macros
- Publishable graphs and tables