



ANNOUNCEMENT

JOINT WORKSHOP  
OF BAGSS AND LifBi

## WORKSHOP

# Introduction to Document Typesetting Using LaTeX

- Instructor** Daniel Bela, Leibniz-Institut für Bildungsverläufe e.V. (LifBi)
- Time** Thursday, 14.11.2019: 09:00-12:00 & 13:00-17:00 (s.t.)  
Friday, 15.11.2019: 11:00-13:00 & 14:00-17:00 (s.t.)  
Monday, 18.11.2017: 09:00-12:00 & 13:00-17:00 (s.t.)
- Place** Leibniz-Institut für Bildungsverläufe (LifBi), Wilhelmsplatz 3, Bamberg, Room 109A
- Registration** To register, please send a mail to [Weiterbildung@lifbi.de](mailto>Weiterbildung@lifbi.de) ([weiterbildung@lifbi.de](mailto:weiterbildung@lifbi.de)). The registration is mandatory; deadline for registration: October 10, 2019. The number of participants is limited to 16.

## PREREQUISITES

Participants should have basal knowledge on how to create and structure a document in any word processor (Microsoft Word, LibreOffice, etc.), but do not need any knowledge about LaTeX.

Ideally, participants will bring an already finished document (containing at least two pages of text) to the course, so that it can be re-created using LaTeX during the seminar.

It is helpful for participants to have some knowledge about any kind of syntax-based software (such as Stata, R, HTML), but this is not a strong requirement to successfully finish the course.

It is possible to complete the course either with an own (laptop) computer, or with the computers provided in the PC pool.

## SHORT OUTLINE

The seminar is designed to give insights into typesetting documents using the LaTeX markup language and processors. Thereby, it focuses on techniques and mechanisms necessary to create scientific books or articles, and presentation slides. This includes not only LaTeX's logic in

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structuring a document, but also its helpful capabilities for automatically creating dynamic content, such as a table of contents, a list of tables, a list of references, and the like.

After completing the course, participants should be equipped with the skills needed to create such documents from scratch, especially by finding valid solutions to arising problems using online search.

## TOPICS COVERED

- Why LaTeX?
- different distributions, engines, and editors
- syntax concepts
- formatting of simple documents
- structuring documents
- finding the right package for advanced formatting
- fully automated tables of contents and other lists
- typesetting formulas
- automated citation of references
- tables and figures (and automated cross-references to it)
- creating presentation slides with LaTeX
- short introduction to automatically creating LaTeX files from within the statistical package Stata
- short introduction to drawing graphics with PGF/TikZ