FURTHER EDUCATION AND TRAINING

BAMBERG GRADUATE SCHOOL OF SOCIAL SCIENCES

JOINT WORKSHOP OF BAGSS AND LIfBi

WORKSHOP

Structural Equation Modeling with R

Instructor	Prof. Dr. Ulrich Schroeders, University of Bamberg
Time	Monday, February 20, 2017: 9:00 a.m. to 3:00 p.m. (s.t.)
	Tuesday, February 21, 2017: 9:00 a.m. to 3:00 p.m. (s.t.)
	Wednesday, February 22, 2017: 9.00 a.m. to 3.00 p.m. (s.t.)
Place	Leibniz Institute for Educational Trajectories (LIfBi), Wilhelmsplatz 3, 96047 Bamberg; room 113
Registration	To register, please send an email to Andrea Döring (weiterbildung@lifbi.de) Registration is mandatory; deadline for registration: December 31, 2016.

Short Outline

This course deals with intermediate and advanced aspects of Structural Equation Modeling (SEM), a method that is popular in psychology, educational research, and the social sciences.

The course begins with a comprehensive introduction to the theoretical aspects of SEM and its terminology. Among others things, issues of model identification, handling of missing data, and the appropriate use of different estimators are discussed and trained in practical exercises which are an essential part of each session.

Further topics include aspects of reliability, model fit evaluation, improving model fit, testing of measurement invariance, and longitudinal data modeling. The overall aim of the course is to acquire a deeper understanding of latent variable modeling and to develop skills in order to estimate, interpret, and tweak SEMs.

All analyses will be conducted with the R package *lavaan*.

Note: Please bring your own laptop. A limited number of laptops may be available from LIfBi. If you need one, please make a note at your registration.