

Methodological Skills

Workshop: Psychometric Theory

Prof. Patrick Shrout

Tutors:	Prof. Patrick Shrout's methodologic research has been primarily in psychometrics, sampling, and multilevel models for analysis of growth and change. Current interests include problems of model specification in logistic regression, the design of longitudinal studies, and mediation analysis. He is also particularly interested in statistical approaches to studies of dependent processes in social relationships, and the social psychology of response effects in surveys.
Dates/Rooms:	Thursday, 15 March 2018, 9:00 - 17:00 Room 3.A05 Friday, 16 March 2018, 9:00 - 17:00 Room 4.A05 University of Lucerne, Frohburgstrasse 3, 6002 Lucerne
Language	Course language will be English.
Contact:	
Registration:	Deadline for registration: March 7, 2018 Maximum number of participants: 15 Please register by email to phd_healthsem@unilu.ch
Contents:	Provide survey of classical test theory and contemporary item response theory; Estimate reliability of ratings, item responses, and patterns of change; use special statistical software in the analysis of psychometric problems.
Prerequisites	Background in regression analysis.
Materials	Text: DeVellis, Robert F. (2017). Scale development, Fourth Edition. Thousand Oaks, CA: Sage. Reading recommendations will be provided after registration. Please bring a laptop (Mac/Windows/Linux). Information on the required software and help for installation will be provided via e-mail ahead of time. Basic understanding of linear regression is assumed. Previous experience with R may be helpful, but is not a prerequisite. For participants not yet familiar with R, the workshop will include a (very) brief introduction, sufficient for the exercises in class.
Credits	1 ECTS
Notes:	This course is mainly for PhD students and post-docs, other participants may be admitted on request. For PhD students enrolled at the University of Lucerne, PhD students from the SLHS cohort and PhD students enrolled in a SSPH+ Program no registration fee is charged.