

**Self-Regulation Dynamics
Across Adulthood and Old Age:
Potentials and Limits**

**SELF-REGULATION DYNAMICS
ACROSS ADULTHOOD AND OLD AGE:
POTENTIALS AND LIMITS**

Structured Graduate Program
Humboldt-Universität zu Berlin

Workshop announcement:

**Item Response Modeling: A Latent Variable Modeling
Perspective**

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This workshop presents a treatment of item response modeling (IRM; item response theory, IRT) as an integral part of latent variable modeling (LVM). Initially, a definition of the critical concept of latent variable is provided and an introduction to LVM is offered. The popular one- and two-parameter logistic and normal ogive models are next presented and their relation to nonlinear factor analysis models fitted to discrete observed variables is pointed out. The connection to classical test theory (CTT) is subsequently highlighted and several myths about the latter are debunked. Throughout the workshop, it is underscored that substantial impediment in measurement in the behavioral and social sciences will be lifted if scholars were to view IRM as a strong CTT, and as a part of LVM followed by factor score point and interval estimation. Connections also to the analysis of incomplete data (missing data) and other statistical frameworks are emphasized, such as generalized linear modeling and nonlinear regression. The workshop finalizes with some critical remarks on a substantial part of contemporary applications of IRM in behavioral, educational, and social disciplines. The workshop is based on the platform of integrative science and emphasizes the connections of IRM also to other scientific disciplines.

Date: June 13, 2016

Time: 14:30 – 18:00 (incl. breaks)

Location: Erwin Schrödinger-Zentrum, Rudower Chaussee 26, 12489 Berlin

Lecture theatre: 0'307

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