

Methodological Skills

The Rasch Measurement Model

Prof. David Andrich

Tutors:	David Andrich is Chapple Professor at the Graduate School of Education, at The University of Western Australia. His main focus of research is the further development and application of the Rasch measurement model as a research and assessment paradigm to improve the quality of social measurement in various areas, including health, psychology, education and economics. His work overspans the philosophy of measurement, through model exposition and interpretation to software development. He is also Visiting Professor in the Department of Education, The University of Oxford.
Dates/Rooms:	Monday, June 20 th , 2.00pm to 5.30pm; Room 3.B48 Tuesday, June 21 st , 09.00 am to 05.30pm (incl. Lunch break); Room 3.B58 Wednesday, June 22 nd , 9.00am to 12.30pm; Room 3.B48
Language	Course language will be English.
Contact:	Núria Duran Adroher: nuria.duranadroher@paraplegie.ch
Registration:	Deadline for registration: May 14, 2016 Maximum number of participants: 20 Please register by email to phd_healthsem@unilu.ch and state if you are a SSPH ⁺ member. Thank you.
Contents:	The aim of this course is to provide students with an in-depth understanding of the mathematical and theoretical foundation of the Rasch measurement model and its implications for measurement and research. The course will be divided into three blocks: <ol style="list-style-type: none">1. Review of fundamental aspects of the Rasch model from a mathematical perspective.2. Bi-factor estimates within the Rasch framework, and implications for interpretation of raw score.3. Understanding the Unit of measurement. The RUMM2030 software will be used for computer exercises throughout the course.
Prerequisites	Basic understanding of the mathematical foundation of the Rasch Measurement Model.
Materials	
Credits	1,5 ECTS
Notes:	This course is for PhD students and for Post-Docs