A Course in Rasch Measurement Theory

The University of Sydney and The University of Western Australia with Prof Jim Tognolini and Prof David Andrich

A Course in Rasch Measurement Theory – Part 1

Overview of principles of Rasch measurement and the RUMM2030 software.

30 – 31 January 2020

Part 1 introduces participants to the RUMM2030 software – an easy to use interactive program that provides comprehensive diagnostics in both tabular and graphical forms. It can also be used in large scale assessments including vertical equating.

A Course in Rasch Measurement Theory – Part 2

Rasch Measurement Theory.

3 – 7 February 2020

Rasch models for measurement are used in large scale national and international assessments to equate tests and to use as criteria for designing tests. This is an opportunity to study with researchers from The University of Western Australia and the University of Sydney who have made advancement in all areas of Rasch measurement - theoretical, applied, and software development. This course is based on graduate level online units that have been taught at The Psychometric Laboratory at UWA for many years and which are now integrated as the text: Andrich, D. & Marais, I. (2019). *A course in Rasch measurement theory*. Springer.

Who

Professor Jim Tognolini
Professor David Andrich

When

Part 1: 30-31 January 2020
Part 2: 3-7 February 2020
Time: 9.30am – 4.30pm

Where

University of Sydney,
Camperdown Campus,
Education Building A35,
Level 6, Room 612

Registration and information about accommodation in Sydney:

https://sydney.edu.au/arts/our-research/centres-institutes-and-groups/educational-measurement-and-assessment-hub.html

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CRICOS 00026A

Course Outline

The course will consist of two parts. **Participants have the option of attending only Part 1 or Part 2 or both – each with its pricing structures.**

Part 1 – Overview of introductory principles of Rasch measurement and the RUMM2030 software.
Part 2 – Rasch Measurement Theory including: Revision of Rasch's original work and the model for dichotomous responses; Multiple choice items and guessing; Understanding the Polytomous Rasch Model; Model fit statistics; Advanced differential item functioning (DIF); Vertical equating; Assessing violations of response independence and unidimensionality; Facets; Longitudinal data analysis; Observed score equating; Equating university entrance examinations.

All participants will receive a copy of the new RUMM2030 software valid for 6 months. Participants are required to bring their own Laptop. Free Wifi is available.

Course registration: Early bird by midday 2 December 2019

Part 1 (2 days) – AU$950 (Early bird AU$850)
Part 2 (5 days) – AU$2185 (Early bird AU$1960)
Part 1 and 2 (7 days) – AU$2745 (Early bird AU$2460)