A Course in Rasch Measurement Theory

In collaboration with researchers from University of Sydney and University of Western Australia #Rasch23

A Course in Rasch Measurement Theory – Part 1

Overview of principles of Rasch measurement and the RUMM2030 software.

2–3 February 2023

Part 1 is designed to familiarise participants in the practical use of the RUMM2030 software – a very easy to use interactive program that analyses comprehensive diagnostics in both tabular and graphical forms. It can also be used in large scale assessments including vertical equating.

When
Part 1: 2-3 February 2023
Part 2: 6-10 February 2023
Time: 9.30am – 4.30pm

Where
University of Sydney, Camperdown Campus, Education Building A35, Room 612

Enquiries:
Kathleen.Walker@sydney.edu.au

Accommodation suggestions:
1. St Paul’s College (Boutique & Budget accommodation on campus)
2. Adina Apartment Hotel Chippendale
3. Rydges Sydney Central Hotel
* Please note there are other city hotels closer to Sydney CBD, further from campus.

A Course in Rasch Measurement Theory - Part 2

Rasch Measurement Theory.

6-10 February 2023

Rasch models of measurement are used in large scale national and international assessments, not only to analyse test data after collection, but to use as criteria for design of test items and their administration. This is also an opportunity to study with researchers from UWA and the University of Sydney who have made advancement in all areas of Rasch models for measurement. The Psychometric Laboratory at UWA conducts research in all areas of Rasch models for measurement, in particular epistemological, applied, and in software development. The content of the course is based on two online units that have been taught at UWA for many years. EDUC5638 (Introduction to Classical and Rasch Measurement Theories) and EDUC5606 (Advanced Course in Rasch Measurement of Modern Test Theory).

Course Outline
The course will be at an intermediate level and consists of two parts. Participants have the option of attending only Part 1 or Part 2 or both parts of the course – each with different pricing.

Part 1 – Overview of principles of Rasch measurement and the RUMM2030 software. See above for more details.

Part 2 – Rasch Measurement Theory including topics: Theory of social measurement and Rasch models; Revision of Rasch’s model for dichotomous responses and his original work; Multiple choice items and guessing; Understanding the Polytomous Rasch Model; Model fit statistics; Advanced understanding of differential item functioning (DIF); Vertical equating and DIF; Assessing two violations of the requirement of local independence: multidimensionality and response dependence and Facets analysis and analysis of longitudinal data.

All participants will receive a copy of the new RUMM2030 software valid until the end of 2023. Participants are required to bring their own Laptop. Free Wifi is available.

Registration

<table>
<thead>
<tr>
<th>Registration</th>
<th>Early-bird (before midday 2/12/22)</th>
<th>Standard rate (after midday 2/12/22)</th>
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<tbody>
<tr>
<td>Part 1 only (2 days)</td>
<td>$890 – Register link</td>
<td>$990 – Register link</td>
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<tr>
<td>Part 2 only (5 days)</td>
<td>$2000 – Register link</td>
<td>$2225 – Register link</td>
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<tr>
<td>Parts 1 &amp; 2 (7 days)</td>
<td>$2500 – Register link</td>
<td>$2785 – Register link</td>
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