Applied Rasch Measurement

Preface- Part 1 Measurement and the Rasch model- Chapter 1 Classical Test Theory; Sivakumar Alagumalai and David Curtis- Chapter 2 Objective measurement; Geoff Masters- Chapter 3 The Rasch model explained; David Andrich- Part 2A Applications of the Rasch Model Tests and Competencies- Chapter 4 Monitoring mathematics achievement over time; Tilahun Mengesha Afrassa- Chapter 5 Manual and automatic estimates of growth and gain across year levels: How close is close? Petra Lietz and Dieter Kotte - Chapter 6 Japanese language learning and the Rasch model; Kazuyo Taguchi- Chapter 7 Chinese language learning and the Rasch model; Ruilan Yuan- Chapter 8 Applying the Rasch model to detect biased items; Njora Hungi- Chapter 9 Raters and examinations; Steven Barrett- Chapter 10 Comparing classical and contemporary analyses and Rasch measurement; David Curtis- Chapter 11 Combining Rasch scaling and Multi-level analysis; Murray Thompson- Part 2B Applications of the Rasch Model Attitudes Scales and Views- Chapter 12 Rasch and attitude scales: Explanatory Style; Shirley Yates- Chapter 13 Science teachers views on science, technology and society issues; Debra Tedman- Chapter 14 Estimating the complexity of workplace rehabilitation task using Rasch analysis; Ian Blackman- Chapter 15 Creating a scale as a general measure of satisfaction for information and communications technology users; I Gusti Ngurah Darmawan- Part 3 Extensions of the Rasch Model- Chapter 16 Multidimensional item responses: Multimethod-multitrait perspectives; Mark Wilson and Machteld Hoskens- Chapter 17 Information functions for the general dichotomous unfolding model; Luo Guanzhong and David Andrich- Chapter 18 Past, present and future: an idiosyncratic view of Rasch measurement; Trevor Bond- Epilogue Our Experiences and Conclusion; Sivakumar Alagumalai, David Curtis and Njora Hungi- Appendix IRT Software Descriptions and Student Versions- BIGSTEPS/WINSTEPS - CONQUEST - RASCAL - RUMM - RATEFOLD/RUMMFOLD - QUEST - WINMIRA - Subject Index EAN/ISBN : 9781402030765 Publisher(s): Springer Netherlands Discussed keywords: Rasch-Modell Format: ePub/PDF Author(s): Maclean, Rupert - Watanabe, Ryo - Baker, Robyn

Applied Rasch Measurement