

## Methodological Advances in Educational Effectiveness Research

Methodological Advances in Educational Effectiveness Research is an important new work by some of the leading researchers in the field of Educational Effectiveness Research (EER). The book provides a state of the art snapshot of the methodology of EER now and clearly demonstrates the way it is applied in both research and evaluation. It shows how developments in the research methodology area such as the use of multilevel modelling approaches to analyse nested data have promoted the knowledge-base of educational effectiveness. But at the same time, as the authors show, the knowledge-base of educational effectiveness and the attempt to establish theoretical models do paradoxically challenge the development of methodologically appropriate studies including ways of analysing data. Guiding readers through the effective and appropriate use in educational effectiveness of: - Longitudinal Studies - Experimental Studies - Mixed Research Methods - Meta-analyses of effectiveness studies - Using IRT to measure outcomes and factors - Using Generalisability Theory to test the quality of data - Multilevel modelling, and - Structural Equation Modelling Techniques The authors draw in the expertise of scholars from around the world to show the mathematical background of each technique, the current and future applications, and Specific examples of applying this orientation to help the readers design their own effectiveness studies using specific methodological tools.



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