Rolf Strietholt
Wilfried Bos
Jan-Eric Gustafsson
Monica Rosén (Eds.)

Educational Policy Evaluation through International Comparative Assessments

Waxmann 2014
Münster • New York
Contents

PART A: CONCEPTUAL AND METHODOLOGICAL FOUNDATIONS

Rolf Strietholt, Jan-Eric Gustafsson, Monica Rosén and Wilfried Bos
Outcomes and Causal Inference in International Comparative Assessments................. 9

Jan-Eric Gustafsson and Monica Rosén
Quality and Credibility of International Studies......................................................... 19

Leonidas Kyriakides and Charalambos Y. Charalambous
Educational Effectiveness Research and International Comparative Studies:
Looking Back and Looking Forward ............................................................................. 33

Rolf Strietholt
Studying Educational Inequality: Reintroducing Normative Notions.......................... 51

Eugenio J. Gonzalez
Calculating Standard Errors of Sample Statistics when Using
International Large-Scale Assessment Data................................................................. 59

Agnes Stancel-Piątak and Deana Desa
Methodological Implementation of Multi Group Multilevel SEM
with PIRLS 2011: Improving Reading Achievement.................................................... 75

Martin Schlotter, Guido Schwerdt and Ludger Woessmann
Econometric Methods for Causal Evaluation of Education Policies
and Practices: A Non-Technical Guide ........................................................................ 95

PART B: EMPirical STUDIES

Hongqiang Liu, Kim Bellens, Wim Van Den Noortgate, Sarah Gielen
and Jan Van Damme
A Cross-country Comparison of the Effect of Family Social Capital
on Reading Literacy, Based on PISA 2009 ................................................................ 129

Eric A. Hanushek and Ludger Woessmann
Institutional Structures of the Education System and Student Achievement:
A Review of Cross-country Economic Research ....................................................... 145

Anne-Catherine Lehre, Petter Laake and Joseph Andrew Sexton
Using Quantile Distance Functions to Assess Inter- and Intrasex
Variability in PISA Achievement Scores ................................................................ 177
Leonidas Kyriakides, Charalambos Y. Charalambous, Demetris Demetriou and Anastasia Panayiotou
Using PISA Studies to Establish Generic Models of Educational Effectiveness.......................... 191

Monica Rosén and Jan-Eric Gustafsson
Has the Increased Access to Computers at Home Caused Reading Achievement to Decrease in Sweden?................................................................................................................. 207

Hongqiang Liu, Kim Bellens, Sarah Gielen, Jan Van Damme, and Patrick Onghena

Authors ........................................................................................................................................ 243