

Contents

PART I. THE ROOTS

- | | |
|--|----------|
| 1. A Brief History of Educational Testing and Psychometrics | 3 |
| Kurt F. Geisinger and Betty Jean Usher-Tate | |

PART II. CRITERION-REFERENCED TESTS

- | | |
|---|-----------|
| 2. Criterion-Referenced Testing: Advances over 40 Years | 23 |
| Ronald K. Hambleton, April L. Zenisky, and W. James Popham | |
| 3. Standard Setting | 38 |
| Mary J. Pitoniak and Gregory J. Cizek | |
| 4. Validity in the Making: From Evidence-Centered Design to the Validations of the Interpretations of Test Performance | 62 |
| Barbara S. Plake, Kristen Huff, Rosemary R. Reshetar, Pamela Kaliski, and Michael Chajewski | |
| 5. Decision Consistency | 74 |
| Kyung (Chris) T. Han and Lawrence M. Rudner | |
| 6. Applications of Generalizability Theory | 89 |
| Brian E. Clauser and Jerome C. Clauser | |

PART III. ITEM RESPONSE THEORY

- | | |
|---|-----|
| 7. A Brief History of and Introduction to Item Response Theory
Molly Faulkner-Bond and Craig S. Wells | 107 |
| 8. Concepts and Methods in Research on Differential Functioning of Test Items:
Past, Present, and Future
H. Jane Rogers and Hariharan Swaminathan | 126 |
| 9. Understanding Two-Dimensional Models of Multidimensional
Item Response Theory through Graphical Representations
Terry A. Ackerman and Robert A. Henson | 143 |
| 10. Testing Assumptions of Item Response Theory Models
Craig S. Wells, Joseph Rios, and Molly Faulkner-Bond | 162 |

PART IV. COMPUTER-BASED TESTING

- | | |
|--|-----|
| 11. The History of Computer-Based Testing
Walter D. Way and Frederic Robin | 185 |
| 12. Current Issues in Computer-Based Testing
Craig N. Mills and Krista J. Breithaupt | 208 |
| 13. The Future of Computer-Based Testing: Some New Paradigms
April L. Zenisky and Richard M. Luecht | 221 |
| 14. Design and Modeling Frameworks for 21st-Century
Simulation- and Game-Based Assessments
Alina A. von Davier and Robert J. Mislevy | 239 |

PART V. CROSS-LINGUAL ASSESSMENT

- | | |
|---|-----|
| 15. Cross-Lingual Educational Assessment
Avi Allalouf and Pnina Hanani | 259 |
| 16. On Item Pools, Swimming Pools, Birds with Webbed Feet,
and the Professionalization of Multilingual Assessment
Fons J. R. van de Vijver and Ype H. Poortinga | 273 |
| 17. Test Adaptation Standards for Cross-Lingual Assessment
José Muñiz, Paula Elosua, José-Luis Padilla,
and Ronald K. Hambleton | 291 |

PART VI. ACCOUNTABILITY TESTING AND SCORE REPORTING

- 18.** The History of Accountability in Educational Testing 307
Robert L. Linn
- 19.** Growth: Measurement, Meaning, and Misuse 318
Lisa A. Keller, Kimberly F. Colvin, and Alejandra Garcia
- 20.** Toward Improving the Reporting of Test Score Results: 335
Lessons Learned from the Evolution of Reports
from the National Assessment of Educational Progress
April L. Zenisky, John Mazzeo, and Mary J. Pitoniak
- 21.** Performance Assessment and Accountability: Then and Now 356
Suzanne Lane
- 22.** The History of Testing Special Populations: The Evolution of Fairness 373
in Testing
Jennifer Randall and Alejandra Garcia
- 23.** English Learners and Accountability: The Promise, Pitfalls, and Peculiarity 395
of Assessing Language Minorities via Large-Scale Assessment
Molly Faulkner-Bond and Ellen Forte
- 24.** Alternate Assessments for Students with Disabilities: 416
Lessons from the National Center and State Collaborative
Martha L. Thurlow and Rachel F. Quenemoen

PART VII. ONGOING DEBATES AND FUTURE DIRECTIONS

- 25.** The Times They Are A-Changing, but the Song Remains the Same: 435
Future Issues and Practices in Test Validation
Stephen G. Sireci and Molly Faulkner-Bond
- Epilogue: A History of Ronald K. Hambleton 449
Else Hambleton
- Glossary of Abbreviations 459
- Author Index 463
- Subject Index 475
- About the Editors 491
- Contributors 492