

Contents

Part I Family Development and Change

- 1 **Latent Growth Curve Models with Random and Fixed Effects** 3
Jay Teachman
- 2 **Families as Coordinated Symbiotic Systems: Making use of Nonlinear Dynamic Models** 19
Nilam Ram, Mariya Shiyko, Erika S. Lunkenheimer, Shawna Doerksen and David Conroy
- 3 **Representing Trends and Moment-to-Moment Variability in Dyadic and Family Processes Using State-Space Modeling Techniques** 39
Sy-Miin Chow, Whitney I. Mattson and Daniel S. Messinger
- 4 **The Benefits and Challenges of Modeling Intra-Family Variability** ... 57
Andrew J. Fuligni

Part II Family Systems

- 5 **Anatomies of Kinship: Preliminary Network Models for Change and Diversity in the Formal Structure of American Families** 73
Robin Gauthier and James Moody
- 6 **Emerging Methods for Studying Families as Systems** 95
E. Mark Cummings, Kathleen N. Bergman and Kelly A. Kuznicki
- 7 **Families as Systems: Some Thoughts on Methods and Theory** 109
Robert E. Emery

Part III Approaches to Measuring Families

- 8 Studying Family Transitions from a Systems Perspective:
The Role of Biomarkers** 127
Carolyn Tucker Halpern, Kathleen Mullan Harris and Eric A. Whitsetl
- 9 Ecological Momentary Assessment (EMA) in Family Research** 145
Joshua M. Smyth and Kristin E. Heron
- 10 Why Qualitative and Ethnographic Methods Are Essential for
Understanding Family Life** 163
Thomas S. Weisner
- 11 Approaches to Measuring Families** 179
Paul Amato

Part IV Family Programs and Policies

- 12 Multiple Levels and Modalities of Measurement in a
Population-Based Approach to Improving Parenting** 197
Carol W. Metzler, Matthew R. Sanders and Julie C. Rusby
- 13 Multiple Comparisons and Truncation Bias in Family Policy
Research: Strategies from the Building Strong Families
Evaluation** 215
Quinn Moore and Robert G. Wood
- 14 Optimizing Family Intervention Programs: The Multiphase
Optimization Strategy (MOST)** 231
Linda M. Collins
- 15 Methods in Multi-site Trials of Family-based Interventions** 245
Greg J. Duncan

Part V Conclusions

- 16 Capturing the Complexity of Families Using Innovative Methods** 263
Melissa A. Lippold and Catherine B. McNamee
- Index** 281