



New Book Information

Advances in Longitudinal Methods in the Social and Behavioral Sciences

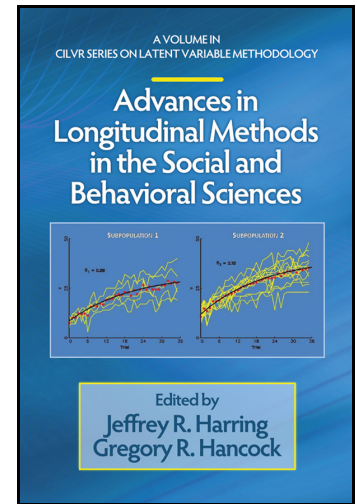
Edited by **Jeffrey R. Harring** and **Gregory R. Hancock**
University of Maryland

A volume in **CILVR Series on Latent Variable Methodology**
Series Editor Gregory R. Hancock, University of Maryland

The importance that practitioners are placing on longitudinal designs and analyses signals a critical shift toward methods that enable a better understanding of developmental processes thought to underlie many human attributes and behaviors. A simple scan of one's own applied literature reveals evidence of this trend through the increasing number of articles adopting longitudinal methods as their primary analytic tools.

Advances in Longitudinal Methods in the Social and Behavioral Sciences is a resource intended for advanced graduate students, faculty, and applied researchers interested in longitudinal data analysis, especially in the social and behavioral sciences. The chapters are written by established methodological researchers from diverse research domains such as psychology, biostatistics, educational statistics, psychometrics, and family sciences. Each chapter exposes the reader to some of the latest methodological developments and perspectives in the analysis of longitudinal data, and is written in a didactic tone that makes the content accessible to the broader research community.

This volume will be particularly appealing to researchers in domains including, but not limited to: human development, clinical psychology, educational psychology, school psychology, special education, epidemiology, family science, kinesiology, communication disorders, and education policy and administration. The book will also be attractive to members of several professional organizations such as the American Educational Research Association (AERA), the American Psychological Association (APA), the Association for Psychological Science (APS), the Society for Research on Adolescence (SRA), the Society for Research in Child Development (SRCD), Society for Research in Adult Development (SRAD), British Psychological Society (BPS), Canadian Psychological Association (CPA), and other related organizations.



CONTENTS: Foreword. Preface. Acknowledgments. **PART I: MODELING LONGITUDINAL DATA: EXAMINING FACETS OF CHANGE OR VARIABILITY.** A Template for Describing Individual Differences in

Longitudinal Data, with Application to the Connection Between Learning and Ability, *Robert Cudeck and Casey L. Codd*. On Interpretable Reparameterizations of Linear and Nonlinear Latent Growth Curve Models, *Kristopher J. Preacher and Gregory R. Hancock*. Mood Changes Associated with Smoking in Adolescents: An Application of a Mixed-Effects Location Scale Model for Longitudinal Ecological Momentary Assessment Data, *Donald Hedeker and Robin J. Mermelstein*. Tethering Theory to Method: Using Measures of Intraindividual Variability to Operationalize Individuals' Dynamic Characteristics, *Nilam Ram, David Conroy, Aaron Pincus, Amanda Hyde, and Lauren Molloy*. Dynamic Systems Analysis of Affective Processes in Dyadic Interactions Using Differential Equations, *Emilio Ferrer and Joel Steele*. **PART II: DRAWING VALID INFERENCES:**

LONGITUDINAL DESIGN CONSIDERATIONS AND MODEL ASSUMPTIONS. Sensitivity Analysis of Mixed-Effects Models When Longitudinal Data Are Incomplete, *Shelley A. Blozis*. Finite Mixtures of Nonlinear Mixed-Effects Models, *Jeffrey R. Harring*. Growth Mixture Modeling and Causal Inference, *Booil Jo*. **PART III: THE ROLE OF MEASUREMENT IN MODELING WITHIN-SUBJECT AND BETWEEN-SUBJECT EFFECTS.** Disaggregating Within-Person and Between-Person Effects in Multilevel and Structural Equation Growth Models, *Patrick J. Curran, Taehun Lee, Andrea L. Howard, Stephanie Lane, and Robert MacCallum*. Considering Alternative Metrics of Time: Does Anybody Really Know What "Time" Is? *Lesa Hoffman*. Valid Measurement Without Factorial Invariance: A Longitudinal Example, *Michael C. Edwards and Robert J. Wirth*. The Discrimination-Censoring Paradox in Item Response Growth Models, *Jennifer Koran*. About the Contributors.

Publication Date: 2012

ISBNs:

Paperback: 978-1-61735-889-0
Hardcover: 978-1-61735-890-6
E-Book: 978-1-61735-891-3

Price:

Paperback: \$45.99
Hardcover: \$85.99

Trim Size: 6.125 X 9.25

Subject: Education, Statistics, Quantitative Methodology

BISAC Codes:

EDU000000
EDU027000
EDU029040

IAP - Information Age Publishing, PO Box 79049, Charlotte, NC 28271
tel: 704-752-9125 fax: 704-752-9113 URL: www.infoagepub.com

IAP - Information Age Publishing Inc.

List Price: \$45.99 paperbacks plus s/h and \$85.99 hardcover plus s/h
Special Price: \$39.99 paperbacks plus s/h and \$85.99 hardcover plus s/h

Title	Paperback	Hardcover
Advances in Longitudinal Methods in the Social and Behavioral Sciences	_____	_____
Advances in Latent Variable Mixture Models	_____	_____
Structural Equation Modeling: A Second Course	_____	_____
Multilevel Modeling of Educational Data	_____	_____
Real Data Analysis	_____	_____
Total	_____	_____

Shipping and Handling for Books:

Please include \$7.50 for the first book on U.S. orders; \$9.00 for the rest of the world. (\$2.50 per additional book)

Online shopping available at www.infoagepub.com

Please place a check on the appropriate line:

Visa Mastercard American Express Check Enclosed

Charge Card Number _____ Exp. Date _____ Sec Code _____

Name _____

Your Signature _____

Address _____

City _____ State _____ Zip _____

(Country if outside U.S.A.)

Phone _____ Fax _____

Email _____

Information Age Publishing Inc.

PO Box 79049

Charlotte, NC 28271

tel: 704-752-9125 fax: 704-752-9113 e-mail: orders@infoagepub.com URL: www.infoagepub.com