Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series)

Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series)

Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz

This practical introduction to second-order and growth mixture models using M*plus* introduces simple and complex techniques through incremental steps. The authors extend latent growth curves to second-order growth curve and mixture models and then combine the two. To maximize understanding, each model is presented with basic structural equations, figures with associated syntax that highlight what the statistics mean, M*plus* applications, and an interpretation of results. Examples from a variety of disciplines demonstrate the use of the models and exercises allow readers to test their understanding of the techniques. A comprehensive introduction to confirmatory factor analysis, latent growth curve modeling, and growth mixture modeling is provided so the book can be used by readers of various skill levels. The book's datasets are available on the web.

Highlights include:

-Illustrative examples using M*plus* 7.4 include conceptual figures, M*plus* program syntax, and an interpretation of results to show readers how to carry out the analyses with actual data.

-Exercises with an answer key allow readers to practice the skills they learn.

-Applications to a variety of disciplines appeal to those in the behavioral, social, political, educational, occupational, business, and health sciences.

-Data files for all the illustrative examples and exercises at www.routledge.com/9781138925151 allow readers to test their understanding of the concepts.

-Point to Remember boxes aid in reader comprehension or provide in-depth discussions of key statistical or theoretical concepts.

Part 1 introduces basic structural equation modeling (SEM) as well as first- and second- order growth curve modeling. The book opens with the basic concepts from SEM, possible extensions of conventional growth curve models, and the data and measures used throughout the book. The subsequent chapters in part 1 explain the extensions. Chapter 2 introduces conventional modeling of multidimensional panel data, including confirmatory factor analysis (CFA) and growth curve modeling, and its limitations. The logical and theoretical extension of a CFA to a second-order growth curve, known as curve-of-factors model (CFM), are explained in Chapter 3. Chapter 4 illustrates the estimation and interpretation of unconditional and conditional CFMs. Chapter 5 presents the logical and theoretical extension of a parallel process model to a second-order growth curve, known as factor-of-curves model (FCM). Chapter 6 illustrates the estimation and interpretation of unconditional and conditional FCMs. Part 2 reviews growth mixture modeling including

unconditional growth mixture modeling (Ch. 7) and conditional growth mixture models (Ch. 8). How to extend second-order growth curves (curve-of-factors and factor-of-curves models) to growth mixture models is highlighted in Chapter 9.

Ideal as a supplement for use in graduate courses on (advanced) structural equation, multilevel, longitudinal, or latent variable modeling, latent growth curve and mixture modeling, factor analysis, multivariate statistics, or advanced quantitative techniques (methods) taught in psychology, human development and family studies, business, education, health, and social sciences, this book's practical approach also appeals to researchers. Prerequisites include a basic knowledge of intermediate statistics and structural equation modeling.

Download and Read Free Online Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz

From reader reviews:

Christina Love:

This Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) are usually reliable for you who want to become a successful person, why. The reason of this Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) can be among the great books you must have will be giving you more than just simple looking at food but feed you actually with information that probably will shock your earlier knowledge. This book is handy, you can bring it everywhere and whenever your conditions both in e-book and printed ones. Beside that this Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) forcing you to have an enormous of experience for example rich vocabulary, giving you test of critical thinking that we all know it useful in your day task. So , let's have it and revel in reading.

Bonnie Daves:

Reading can called imagination hangout, why? Because when you are reading a book mainly book entitled Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) your head will drift away trough every dimension, wandering in each aspect that maybe unfamiliar for but surely can become your mind friends. Imaging each word written in a book then become one web form conclusion and explanation which maybe you never get previous to. The Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) giving you yet another experience more than blown away your head but also giving you useful details for your better life on this era. So now let us explain to you the relaxing pattern at this point is your body and mind are going to be pleased when you are finished studying it, like winning a sport. Do you want to try this extraordinary spending spare time activity?

Sam Hasse:

Do you have something that you like such as book? The book lovers usually prefer to choose book like comic, limited story and the biggest an example may be novel. Now, why not trying Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) that give your enjoyment preference will be satisfied by reading this book. Reading habit all over the world can be said as the method for people to know world better then how they react toward the world. It can't be explained constantly that reading routine only for the geeky particular person but for all of you who wants to be success person. So , for every you who want to start examining as your good habit, you could pick Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) become your starter.

Daniel Metz:

Your reading sixth sense will not betray you actually, why because this Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) publication written by well-known writer whose to say well how to make book that can be understand by anyone who also read the book. Written throughout good manner for you, leaking every ideas and composing skill only for eliminate your own hunger then you still uncertainty Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) as good book not simply by the cover but also with the content. This is one publication that can break don't evaluate book by its protect, so do you still needing another sixth sense to pick this specific!? Oh come on your examining sixth sense already alerted you so why you have to listening to yet another sixth sense.

Download and Read Online Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz #7K4R9EB1GNF

Read Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz for online ebook

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz books to read online.

Online Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz ebook PDF download

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz Doc

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz Mobipocket

Higher-order Growth Curves and Mixture Modeling with Mplus: A Practical Guide (Multivariate Applications Series) by Kandauda K.A.S. Wickrama, Tae Kyoung Lee, Catherine Walker O'Neal, Frederick O. Lorenz EPub