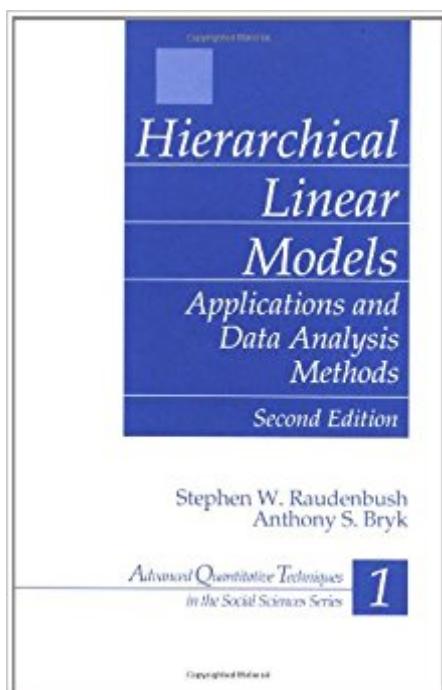


The book was found

# Hierarchical Linear Models: Applications And Data Analysis Methods (Advanced Quantitative Techniques In The Social Sciences)



## Synopsis

Popular in the First Edition for its rich, illustrative examples and lucid explanations of the theory and use of hierarchical linear models (HLM), the book has been reorganized into four parts with four completely new chapters. The first two parts, Part I on "The Logic of Hierarchical Linear Modeling" and Part II on "Basic Applications" closely parallel the first nine chapters of the previous edition with significant expansions and technical clarifications, such as:

- \* An intuitive introductory summary of the basic procedures for estimation and inference used with HLM models that only requires a minimal level of mathematical sophistication in Chapter 3
- \* New section on multivariate growth models in Chapter 6
- \* A discussion of research synthesis or meta-analysis applications in Chapter 7
- \* Data analytic advice on centering of level-1 predictors and new material on plausible value intervals and robust standard estimators

## Book Information

Series: Advanced Quantitative Techniques in the Social Sciences (Book 1)

Hardcover: 512 pages

Publisher: SAGE Publications, Inc; 2nd edition (December 19, 2001)

Language: English

ISBN-10: 076191904X

ISBN-13: 978-0761919049

Product Dimensions: 6.2 x 1.3 x 9.3 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars 17 customer reviews

Best Sellers Rank: #66,547 in Books (See Top 100 in Books) #5 in Books > Science & Math > Mathematics > Applied > Linear Programming #70 in Books > Reference > Writing, Research & Publishing Guides > Research #126 in Books > Textbooks > Medicine & Health Sciences > Medicine > General

## Customer Reviews

"The text is authoritative, well laid out, and extremely readable. For the target audience, this book is highly recommended." -- Short Book Reviews- Publication of the International Statistical Institute

"This book is very well written and the applied part is well balanced with technical details. I think that it will be useful not only for social and behavioral researchers but also for applied statisticians, practitioners and students analyzing data with hierarchical-type structures" -- Zentralblat

"This book is very well written and the applied part is well balanced with technical details."

I think that it will be useful not only for social and behavioral researchers but also for applied statisticians, practitioners and students analyzing data with hierarchical-type structures"--Zentralblat"This book makes good use of examples to introduce readers to HLM and the issues surrounding their application. In fact, I think the book does a wonderful job by using lots of examples with lots of details. This is definitely one of its strengths as it makes it much easier for the reader to follow the text and understand the capabilities of the HLM approach. This Second Edition should come highly recommended. I think it gives a very good and thorough overview of HLM, and it does so in a manner that is easy to follow."--Organizational Research Methods"The book is clearly written, well organized, and addresses an important topic. I would recommend this book to the readers of Personnel Psychology. If you want to learn more about these techniques, the new advances, the controversial points, potential links between HLM and meta-analysis, structural equations modeling, item response theory, and so forth, this book is a feast."--Robert G. Jones "Personnel Psychology Book Review Section ""The text is authoritative, well laid out, and extremely readable. For the target audience, this book is highly recommended."--Short Book Reviews- Publication of the International Statistical Institute"The text is authoritative, well laid out, and extremely readable. For the target audience, this book is highly recommended."--Short Book Reviews- Publication of the International Statistical Institute"This book is very well written and the applied part is well balanced with technical details. I think that it will be useful not only for social and behavioral researchers but also for applied statisticians, practitioners and students analyzing data with hierarchical-type structures"--Zentralblat-The text is authoritative, well laid out, and extremely readable. For the target audience, this book is highly recommended.--Short Book Reviews- Publication of the International Statistical Institute-This book is very well written and the applied part is well balanced with technical details. I think that it will be useful not only for social and behavioral researchers but also for applied statisticians, practitioners and students analyzing data with hierarchical-type structures--Zentralblat-The book is clearly written, well organized, and addresses an important topic. I would recommend this book to the readers of Personnel Psychology. If you want to learn more about these techniques, the new advances, the controversial points, potential links between HLM and meta-analysis, structural equations modeling, item response theory, and so forth, this book is a feast.--Robert G. Jones -Personnel Psychology Book Review Section --This book makes good use of examples to introduce readers to HLM and the issues surrounding their application. In fact, I think the book does a wonderful job by using lots of examples with lots of details. This is definitely one of its strengths as it makes it much easier for the reader to follow the text and understand the capabilities of the HLM approach. This Second Edition should come highly recommended."--Short Book Reviews- Publication of the International Statistical Institute

recommended. I think it gives a very good and thorough overview of HLM, and it does so in a manner that is easy to follow.---Organizational Research Methods

"The text is authoritative, well laid out, and extremely readable. For the target audience, this book is highly recommended." (Short Book Reviews- Publication of the International Statistical Institute)"This book is very well written and the applied part is well balanced with technical details. I think that it will be useful not only for social and behavioral researchers but also for applied statisticians, practitioners and students analyzing data with hierarchical-type structures"

(Zentralblat)"The book is clearly written, well organized, and addresses an important topic. I would recommend this book to the readers of Personnel Psychology. If you want to learn more about these techniques, the new advances, the controversial points, potential links between HLM and meta-analysis, structural equations modeling, item response theory, and so forth , this book is a feast." (Robert G. Jones Personnel Psychology Book Review Section)"This book makes good use of examples to introduce readers to HLM and the issues surrounding their application. In fact, I think the book does a wonderful job by using lots of examples with lots of details. This is definitely one of its strengths as it makes it much easier for the reader to follow the text and understand the capabilities of the HLM approach. This Second Edition should come highly recommended. I think it gives a very good and thorough overview of HLM, and it does so in a manner that is easy to follow."

(Organizational Research Methods)

The second edition of this textbook by Raudenbush and Bryk has achieved near-biblical status in the world of multi-level modeling. It is quite comprehensive, and the chapter on centering, an unexpectedly important and complex topic, is the best I've seen. Nevertheless, Raudenbush and Bryk make what I take to be a serious error when they fail to acknowledge the strengths and weaknesses and breadth and limitations of their likely audience. For all but the best trained mathematical statisticians, this book is inaccessible and, for the reader, money poorly spent. Raudenbush and Bryk must know that most sociologists, political scientists, program evaluators, policy analysts, and numerous others will find their book too difficult to use as a self-teaching tool. Thus, in fairness to those trying to keep up with important methodological developments, the authors should, at the very least, conspicuously acknowledge the demands their book places on the reader. For most readers, there are much better ways to a make a start on multilevel modeling. If one wants to, he or she can then work toward meeting the demands imposed by Raudenbush and Bryk.

Raudenbush & Bryk's text is a must-have reference for those who use hierarchical models in professional research, but not the best introduction for beginners. As others have said, it is extremely dense at times, but I don't necessarily see that as a drawback as long as readers are aware of what they need to know in advance. For those with a solid foundation in general linear modeling (i.e. all the various forms of regression, MANCOVA, etc.), as well as some basic knowledge of what hierarchical models can do, this is the right book for you. If not, choose something more basic and work your way up. That said, HLM is not as daunting as it may seem at first, and those who do research in multiple settings simultaneously now have little excuse for "cutting corners" by simply throwing in covariates or assuming homogeneity, no matter how many variables look the same. By far, the greatest improvement since the first edition is the extended discussion of HLM in longitudinal designs. Raudenbush & Bryk are at the cutting-edge here, and anyone who does growth-curve analysis will find this book to be a great resource. On the downside, their discussion of the unique factors to take into account in 3-level models is a bit sparse (and the only reason for 4 stars instead of 5). I return to this book constantly, and strongly recommend it to those who do (or, more often, should) take a wider, more accurate accounting of the many possible sources of variance in their research.

The book is not bad. But need so much improvement. I send a letter to the authors with my comments. For example: A basic topic such as "assumptions" is not clearly presented. You have to "discover" them on your own. You will find things like "as we can see this will create a problem" ok. but what kind of problem, why are these a problem? I got the book, and for each chapter I read, I had to go online to look for additional information, and clarifications. It is clear that the authors are experts in the topic, and things are "so clear and obvious" for them, but the people that are reading the book might have problems following it. Conclusion. After 2 weeks I decided to return the NEW book and get a USED one. I also got the "manual" for the HLM6 software, don't bother. It is not a good manual. Actually, it is not a manual because it does not teach you how to use the software, it does not explain its different options, it just shows you some examples. You can find similar things online. I returned the manual as well.

I have found the text clear and concise.

A classic text and great reference for HLM

If you are an R user Finch, 2014, despite some errors in the text, see errata, was much more useful from an implementation standpoint.

Most things an active quantitative researcher needs to know about HLM in one book. With all of the resources on the internet (many of which contradict each other), it is nice to have a definitive source. A must have for the HLMer.

Very useful!

[Download to continue reading...](#)

Hierarchical Linear Models: Applications and Data Analysis Methods (Advanced Quantitative Techniques in the Social Sciences) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Data Analytics: Applicable Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Multiple Time Series Models (Quantitative Applications in the Social Sciences) Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data Analytics Book, Series 2 Analysis of Variance (Quantitative Applications in the Social Sciences) Applied Logistic Regression Analysis (Quantitative Applications in the Social Sciences) Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Reliability and Validity Assessment (Quantitative Applications in the Social Sciences) Applied Regression: An Introduction (Quantitative Applications in the Social Sciences) Data Analytics For Beginners: Your Ultimate Guide To Learn and Master Data Analysis. Get Your Business Intelligence Right â“ Accelerate Growth and Close More Sales (Data Analytics Book Series) Applied Linear Regression Models- 4th Edition with Student CD (McGraw Hill/Irwin Series: Operations and Decision Sciences) Generalized Linear Models for Insurance Data (International Series on Actuarial Science) Stochastic Models, Information Theory, and Lie Groups, Volume 2: Analytic Methods and Modern Applications (Applied and Numerical Harmonic Analysis) Linear Algebra and Its Applications plus New MyMathLab with

Pearson eText -- Access Card Package (5th Edition) (Featured Titles for Linear Algebra (Introductory)) Linear Algebra With Applications (Jones and Bartlett Publishers Series in Mathematics. Linear) Basics of R/C Model Aircraft Design: Practical Techniques for Building Better Models: Practical Techniques for Building Better Models Linear Algebra with Applications (9th Edition) (Featured Titles for Linear Algebra (Introductory))

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)