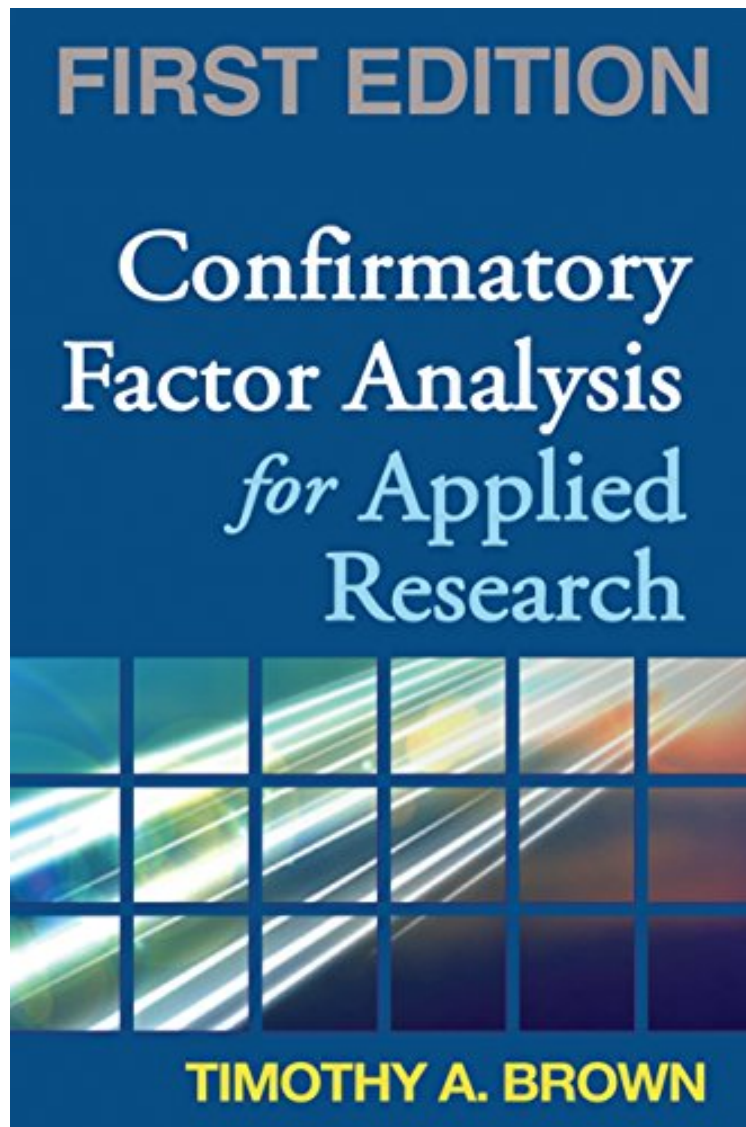


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Confirmatory Factor Analysis for Applied Research, First Edition (Methodology in the Social Sciences)

Timothy A. Brown PsyD

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Timothy A. Brown PsyD : Confirmatory Factor Analysis for Applied Research, First Edition (Methodology in the Social Sciences) before purchasing it in order to gage whether or not it would be worth my time, and all praised Confirmatory Factor Analysis for Applied Research, First Edition (Methodology in the Social Sciences):

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my graduate instruction in CFA in 1994 to today's conceptual issues and the practical problems of running the analyses. The annotated computer input program file examples helped me link up LISREL 2 with where the analyses are today in LISREL 9.1. In the 20 years, common problems are now easily addressed with computer software and that's perfect for me: a researcher who is familiar with the major issues but needs to "brush up" on newer approaches to the older, vexing problems. The later chapters shed more light on higher order and bi-level factor models, which were not even attempted in earlier texts of the day. The earlier chapters present a more systematic presentation of the basic tenets of CFA. This text has already been of great use to me as I seek to use CFA to address applied issues in the measurement of human performance using video simulation in the field of education. 1 of 1 people found the following review helpful. I love this book. By E. Maguire I love this book. The first edition is one of the most dog-eared books on my shelf. I routinely recommend it to doctoral students and colleagues just getting started in trying to figure out the details of exploratory and confirmatory factor analysis. The second edition is even better, with expanded coverage of emerging methodologies like Bayesian estimation of CFA models, exploratory structural equation modeling, etc... Highly recommended. 6 of 6 people found the following review helpful. Clear, thorough, endlessly useful. By ACThis book was a lifesaver while writing my dissertation, and it continues to be an essential resource as I expand my analyses and plan future studies. I had taken a course on latent variable analysis, but it wasn't until I read this book that I really understood how confirmatory factor analysis worked, how to figure out which measurement model is best, and how to talk about what I had done in a clear and correct way. I felt like an expert in CFA after reading this book and using it to pattern my own analysis. It maps out all the steps and provides excellent code examples for a wide range of programs (with more focus on mplus, which is what I was using). I recommend this book to everyone I know who might possibly do CFA or structural equation modeling someday. If Dr. Brown wanted to write books on any other latent variable analyses, I would buy them in an instant.

Emphasizing practical and theoretical aspects of confirmatory factor analysis (CFA) rather than mathematics or formulas, Timothy A. Brown uses rich examples derived from the psychology, management, and sociology literatures to provide in-depth treatment of the concepts, procedures, pitfalls, and extensions of CFA methodology. Chock full of useful advice and tables that outline the procedures, the text shows readers how to conduct exploratory factor analysis (EFA) and understand similarities to and differences from CFA; formulate, program, and interpret CFA models using popular latent variable software packages such as LISREL, Mplus, Amos, EQS, and SAS/CALIS; and report results from a CFA study. Also covered are extensions of CFA to traditional IRT analysis, methods for determining necessary sample sizes, and new CFA modeling possibilities, including multilevel factor models and factor mixture models. Special features include a companion Web page offering data and program syntax files for many of the research examples so that readers can practice the procedures described in the book with real data. The Web page also includes links to additional CFA-related resources.

"I found the authors coverage of confirmatory factor analysis (CFA) both clear and accurate. I thought the explanations were pitched at the right level of mathematical and statistical complexity for the intended audience. In fact, the coverage of certain topics/m-/such as the problem of empirical underidentification and the computation of determinants and their functional significance in the assessment of global model fit/m-/is among the best I've read. This is a book that students will be glad to have on their shelves when they turn to their own data later on."--Christopher M. Federico, Department of Psychology and Department of Political Science, University of Minnesota"Compared to other books, this book offers a lot of details which would facilitate better understanding of confirmatory factor analysis (CFA). The author is very good at explaining a lot of processes by examples, and includes clear figures and tables. I definitely recommend it to instructors who teach a course on CFA, especially for students who are not in quantitative psychology."--Ke-Hai Yuan, Department of Psychology, University of Notre Dame"I confidently recommend this book to any colleague teaching a course in confirmatory factor analysis (CFA), structural equation modeling, or scale development. The text will also be an invaluable resource for applied researchers, due to the quantity and quality of the information it contains. Included are very clear explanations of the 'thick' technical terminology and excellent elaboration on the shortcomings of the previously published CFA research within the past 10-15 years. Other strengths are clearly written chapters on higher order analyses and multitrait-multimethod models; clear coverage of conducting CFA with missing data and conducting reliability analysis within the general framework of SEM, providing a very defensible and unified approach to the issues of reliability and validity during the process of scale/instrument development; and strategies for data screening and dealing with nonnormally distributed data."--Larry Price, Doctoral Program in Education, Texas State University-San Marcos