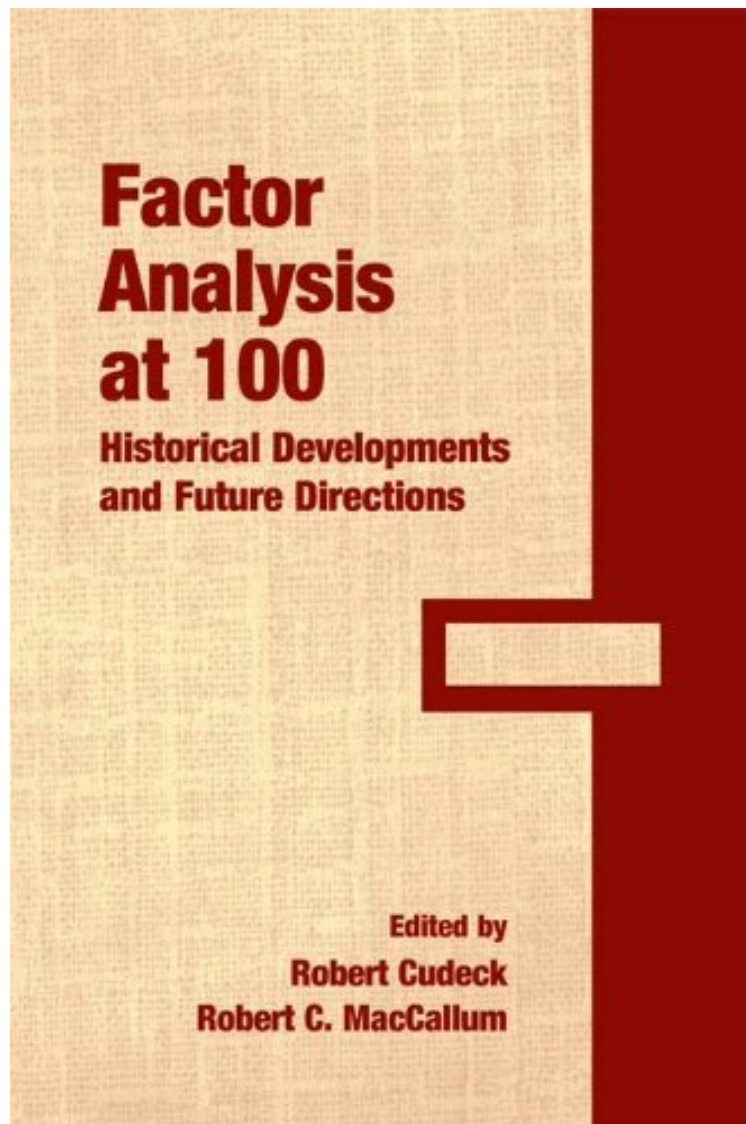


(Mobile ebook) Factor Analysis at 100: Historical Developments and Future Directions

# Factor Analysis at 100: Historical Developments and Future Directions

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**From Routledge :** **Factor Analysis at 100: Historical Developments and Future Directions** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Factor Analysis at 100: Historical Developments and Future Directions:

1 of 1 people found the following review helpful. For serious analysts: What's past is prologueBy Edward E. RigdonWhen first exposed to well-developed multivariate methods like factor analysis, students are inclined to take whatever they are given as if it was handed down by the statistical gods. The truth, however, is that real people make

tentative advances, and other people put forward contrasting views. An important first step in maturing as a user of these methods is to grasp this notion that our methods are human creations with strengths, limitations, controversies and networks of influence. I like this volume partly because it offers perspective on the evolution of factor analysis. The volume also makes room for distinct perspectives, as when MacCallum, Browne and Cai write about "Factor Analysis Models as Approximations." The collection includes several didactic chapters that I have never seen duplicated elsewhere--if you don't have this volume, you will never see those works. I won't say that it is a perfect collection. There are some chapters that are nothing more than a frustrating recap of dogma. But one person's dogma is probably another person's penetrating insight. Contributors to the volume include many names that have earned the benefit of the doubt, and most of them deliver something useful and interesting here. This volume earns its place on your factor analysis bookshelf.

Factor analysis is one of the success stories of statistics in the social sciences. The reason for its wide appeal is that it provides a way to investigate latent variables, the fundamental traits and concepts in the study of individual differences. Because of its importance, a conference was held to mark the centennial of the publication of Charles Spearman's seminal 1904 article which introduced the major elements of this invaluable statistical tool. This book evolved from that conference. It provides a retrospective look at major issues and developments as well as a prospective view of future directions in factor analysis and related methods. In so doing, it demonstrates how and why factor analysis is considered to be one of the methodological pillars of behavioral research. Featuring an outstanding collection of contributors, this volume offers unique insights on factor analysis and its related methods. Several chapters have a clear historical perspective, while others present new ideas along with historical summaries. In addition, the book reviews some of the extensions of factor analysis to such techniques as latent growth curve models, models for categorical data, and structural equation models. Factor Analysis at 100 will appeal to graduate students and researchers in the behavioral, social, health, and biological sciences who use this technique in their research. A basic knowledge of factor analysis is required and a working knowledge of linear algebra is helpful.

"This text will certainly be exceptionally useful in a variety of contexts for a variety of audiences." - Kevin L. Ladd, *PsycCRITIQUES* "This book is all about factor analysis (FA), its history, development, developers, theory, applications, and variations during the past 100 years [hellip;] a volume full of interesting, both methodological and historical details [hellip;] it is not just history. It is also a fresh look at the future [...] The book is worth reading just for curiosity, but many of the chapters will serve well as a supplementary material for courses of these topics." - Kimmo Vehkalahti, *International Statistical* "There is much of value in this volume. This volume presents a wide-ranging overview of factor analysis. We recommend it to anyone who wants to expand their perspective on modeling educational and psychological data." - Neil J. Dorans and Longjuan Liang, *Educational Testing Service, Journal of Educational Measurement* About the Author Robert Cudeck, Ph.D., is a Professor of Psychology at Ohio State University. A recipient of the Cattell Award for Distinguished Multivariate Research, Dr. Cudeck also served as President of the Psychometric Society in 2003. He received his Ph.D. in Quantitative Psychology from the University of Southern California.