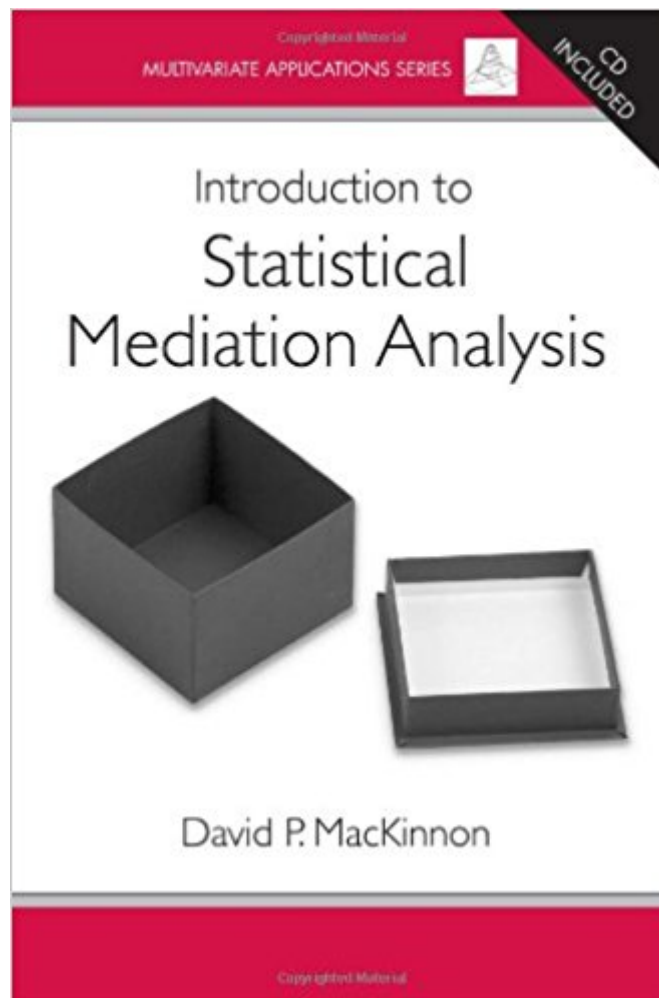




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# Introduction To Statistical Mediation Analysis (Multivariate Applications Series)



## Synopsis

This volume introduces the statistical, methodological, and conceptual aspects of mediation analysis. Applications from health, social, and developmental psychology, sociology, communication, exercise science, and epidemiology are emphasized throughout. Single-mediator, multilevel, and longitudinal models are reviewed. The author's goal is to help the reader apply mediation analysis to their own data and understand its limitations. Each chapter features an overview, numerous worked examples, a summary, and exercises (with answers to the odd numbered questions). The accompanying CD contains outputs described in the book from SAS, SPSS, LISREL, EQS, MPLUS, and CALIS, and a program to simulate the model. The notation used is consistent with existing literature on mediation in psychology. The book opens with a review of the types of research questions the mediation model addresses. Part II describes the estimation of mediation effects including assumptions, statistical tests, and the construction of confidence limits. Advanced models including mediation in path analysis, longitudinal models, multilevel data, categorical variables, and mediation in the context of moderation are then described. The book closes with a discussion of the limits of mediation analysis, additional approaches to identifying mediating variables, and future directions. Introduction to Statistical Mediation Analysis is intended for researchers and advanced students in health, social, clinical, and developmental psychology as well as communication, public health, nursing, epidemiology, and sociology. Some exposure to a graduate level research methods or statistics course is assumed. The overview of mediation analysis and the guidelines for conducting a mediation analysis will be appreciated by all readers.

## Book Information

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## Customer Reviews

"Dave MacKinnon's book will be a welcome addition to the field. The topic of statistical mediation is important for researchers who want to examine models more complex than simple prediction." -Lisa L. Harlow, PhD, University of Rhode Island  
"Overall, I found these chapters to be uniformly excellent. The text was well written, nicely organized, and technically rigorous while remaining broadly accessible." -Patrick Curran, PhD, University of North Carolina, Chapel Hill

I'm using this book for Prof. MacKinnon's class, and the text is just as clear as he is in person (in fact, the text may be clearer in places). He lays out the issues involved very carefully and clearly, but he gets into the details of analyses that can be pretty sophisticated. I would highly recommend this book to someone who already knows the basics of multiple regression and is interested in expanding their repertoire to include mediation. It's geared towards psychologists, and I think anyone doing psychology research would benefit from having this book.

This is by far one of the most readable and straightforward statistics books that I have purchased. The book begins with the basics and provides a great conceptual picture of mediation for those who may not be familiar with this type of analysis. Each chapter builds upon the previous ones with detail and clarity. Additionally, the examples throughout the book help highlight the main concepts. Great learning tool and source of reference.

Very well written. Easily digestible.

This is THE book to read on mediation analysis. It should be titled "MacKinnon's Magical Methods for Managing Messy Mediational Models" because the book is majorly magnificent. MacKinnon is one of the luminaries of our time and he has provided a very readable introduction and explanation of various facets of mediational modeling including code for SPSS, SAS, and MPlus in the book. Anyone doing data analysis today needs this book to keep on their shelf and pull out whenever they are dealing with mediational models.

Overall one of the easiest statistical texts I have read, without dumbing issues down. A good summary of the issues related to mediation and consequently regression and modern statistical

thought.

I just got this book and started reading it. It's terrific!! Dave MacKinnon explains everything in such clear language, and yet the book is just technical enough that one can get a good sense of the mechanics of mediation. This is a major contribution to the field.

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