Missing Data: A Gentle Introduction (Methodology in the Social Sciences)

By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD

Missing Data: A Gentle Introduction (Methodology in the Social Sciences)
By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD

While most books on missing data focus on applying sophisticated statistical techniques to deal with the problem after it has occurred, this volume provides a methodology for the control and prevention of missing data. In clear, nontechnical language, the authors help the reader understand the different types of missing data and their implications for the reliability, validity, and generalizability of a study's conclusions. They provide practical recommendations for designing studies that decrease the likelihood of missing data, and for addressing this important issue when reporting study results. When statistical remedies are needed--such as deletion procedures, augmentation methods, and single imputation and multiple imputation procedures--the book also explains how to make sound decisions about their use. Patrick E. McKnight's website offers a periodically updated annotated bibliography on missing data and links to other Web resources that address missing data.

⬇ **Download** Missing Data: A Gentle Introduction (Methodology i ...pdf

▤ **Read Online** Missing Data: A Gentle Introduction (Methodology ...pdf

Missing Data: A Gentle Introduction (Methodology in the Social Sciences)

By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD

While most books on missing data focus on applying sophisticated statistical techniques to deal with the problem after it has occurred, this volume provides a methodology for the control and prevention of missing data. In clear, nontechnical language, the authors help the reader understand the different types of missing data and their implications for the reliability, validity, and generalizability of a study's conclusions. They provide practical recommendations for designing studies that decrease the likelihood of missing data, and for addressing this important issue when reporting study results. When statistical remedies are needed--such as deletion procedures, augmentation methods, and single imputation and multiple imputation procedures--the book also explains how to make sound decisions about their use. Patrick E. McKnight's website offers a periodically updated annotated bibliography on missing data and links to other Web resources that address missing data.

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD Bibliography

- Sales Rank: #1774336 in Books
- Brand: Brand: The Guilford Press
- Published on: 2007-03-28
- Original language: English
- Number of items: 1
- Dimensions: 9.02" h x .56" w x 5.98" l, .81 pounds
- Binding: Paperback
- 251 pages

⬇ **Download** Missing Data: A Gentle Introduction (Methodology i ...pdf

📄 **Read Online** Missing Data: A Gentle Introduction (Methodology ...pdf

Download and Read Free Online Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD

Editorial Review

Review

"This book is full of useful information about methodological and statistical issues related to missing data. It includes clear definitions of types of missing data, ways to reduce their negative effects, and analytical strategies for maximizing the use of all data--even partial data--collected in a research study. A unique strength of the book is its focus on missing data as a threat to the validity of a study's conclusions. Unlike other sources on missing data analysis, design approaches for preventing missing data are emphasized. More advanced statistical approaches to missing data analysis are also described clearly. This is a valuable, practical resource."--David MacKinnon, Department of Psychology, Arizona State University

"This very important, interesting, and well-written book addresses a serious problem in contemporary social science research. Statisticians have made considerable progress in developing methodologies for dealing with missing data. However, these methods are not well known to social science researchers or to many graduate students in the behavioral sciences. This book systematically explores methods for classification, diagnosis, and prevention of missing data problems. It provides step-by-step instructions for analyzing data sets with some observations missing; reviews imputation methods; and advises investigators on how to report on analyses when some participants have been lost to follow-up. This is an excellent book that will help behavioral science investigators handle analytical problems for virtually every study they conduct."--Robert M. Kaplan, Department of Health Services, UCLA School of Public Health

"The authors present a comprehensive discussion of missing data in a nontechnical fashion that will not intimidate those who lack an extensive mathematical background....The book discusses missing data at an introductory level, focusing on how missing data affects scientific research, how it can be prevented or minimized throughout a study, and how it can be appropriately accounted for in the statistical analysis and study conclusions."
(*American Statistician* 2007-03-30)

"Provides a comprehensive and nuanced discussion of the complexities and variety of solutions. It also offers approaches to reduce the likelihood of obtaining missing data by considering research procedures or design. This book serves as one of the better introductions to this topic for students and will be useful for others seeking a more general overview of approaches for missing data....This book is unique in addressing not only the statistical issues but also in its coverage on preventing the occurrence of missing data as research is planned or conducted, and how missing data should be presented in publications....A very good introduction....Provides some insightful connections between research designs used in psychology or social studies and missing data patterns."
(*PsycCRITIQUES* 2007-03-30)

"The information in this book is practical, judicious, and empirically sound. The authors have managed to compile a very useful book on an often repressed topic among researchers. For students, this is a worthwhile introduction that manages to avoid being too technical. Yet, there are very functional suggestions both in terms of study design and the handling of missing data that would be useful for seasoned researchers. Weighted Numerical Score: 97 - 5 Stars!"

About the Author

Patrick E. McKnight, PhD, is Assistant Professor in the Department of Psychology at George Mason University, Fairfax, Virginia. The majority of his work focuses on health services outcomes and, in particular, on measuring those outcomes to make them readily interpretable. He has worked and published in the health-related areas of asthma, arthritis, cancer, speech, pain, low vision, and rehabilitation. Dr. McKnight is an active member of the American Evaluation Association, serving as co-chair of the quantitative methods topical interest group for the past 4 years.

Katherine M. McKnight, PhD, teaches statistics at George Mason University, Fairfax, Virginia, and is Director of Evaluation for LessonLab Research Institute, part of Pearson Achievement Solutions. She has published numerous articles reflecting a wide range of interests, with the common underlying framework of the thoughtful use of research methods, measurement, and data analysis for addressing research and evaluation questions. She is a member of the American Evaluation Association and the Association for Psychological Science.

Souraya Sidani, PhD, RN, is Professor in the Faculty of Nursing, University of Toronto. Her areas of expertise are in quantitative research methods, intervention design and evaluation, and measurement. Her research areas of interest focus on evaluating interventions and on refining research methods and measures for determining the clinical effectiveness of interventions. She is a member of the American Evaluation Society and the Canadian Evaluation Society.

Aurelio José Figueredo, PhD, is Professor of Psychology at the University of Arizona. He is the director of the graduate program in Ethology and Evolutionary Psychology (EEP), a cross-disciplinary program integrating the studies of comparative psychology, ethology, sociobiology, and behavioral ecology, genetics, and development. His major areas of research interest are the evolutionary psychology and behavioral development of life-history strategy and sex and violence in human and nonhuman animals, and the quantitative ethology and social development of insects, birds, and primates. In the EEP he regularly teaches the graduate year-long course in Statistical Methods in Psychological Research.

Users Review

From reader reviews:

Matthew Waddell:

This Missing Data: A Gentle Introduction (Methodology in the Social Sciences) book is not really ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is actually information inside this book incredible fresh, you will get details which is getting deeper you actually read a lot of information you will get. This Missing Data: A Gentle Introduction (Methodology in the Social Sciences) without we recognize teach the one who examining it become critical in contemplating and analyzing. Don't always be worry Missing Data: A Gentle Introduction (Methodology in the Social Sciences) can bring any time you are and not make your case space or bookshelves' grow to be full because you can have it inside your lovely laptop even cellphone. This Missing Data: A Gentle Introduction (Methodology in the Social Sciences) having good arrangement in word and layout, so you will not really feel uninterested in reading.

Kathryn Richardson:

Spent a free the perfect time to be fun activity to try and do! A lot of people spent their leisure time with their family, or their friends. Usually they doing activity like watching television, gonna beach, or picnic within the park. They actually doing ditto every week. Do you feel it? Do you want to something different to fill your current free time/ holiday? Might be reading a book can be option to fill your free of charge time/ holiday. The first thing that you will ask may be what kinds of e-book that you should read. If you want to try look for book, may be the e-book untitled Missing Data: A Gentle Introduction (Methodology in the Social Sciences) can be good book to read. May be it can be best activity to you.

Antonia Parham:

Why? Because this Missing Data: A Gentle Introduction (Methodology in the Social Sciences) is an unordinary book that the inside of the publication waiting for you to snap the item but latter it will zap you with the secret the idea inside. Reading this book alongside it was fantastic author who else write the book in such remarkable way makes the content inside easier to understand, entertaining approach but still convey the meaning fully. So , it is good for you because of not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of rewards than the other book include such as help improving your expertise and your critical thinking way. So , still want to hold up having that book? If I ended up you I will go to the e-book store hurriedly.

Bobbie Freeman:

In this era globalization it is important to someone to get information. The information will make anyone to understand the condition of the world. The condition of the world makes the information easier to share. You can find a lot of recommendations to get information example: internet, newspaper, book, and soon. You will see that now, a lot of publisher that will print many kinds of book. The book that recommended to you is Missing Data: A Gentle Introduction (Methodology in the Social Sciences) this e-book consist a lot of the information with the condition of this world now. That book was represented how do the world has grown up. The vocabulary styles that writer use for explain it is easy to understand. The particular writer made some exploration when he makes this book. Here is why this book ideal all of you.

Download and Read Online Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD #BT9S0J3D5RP

Read Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD for online ebook

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD 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 Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD books to read online.

Online Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD ebook PDF download

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD Doc

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD Mobipocket

Missing Data: A Gentle Introduction (Methodology in the Social Sciences) By Patrick E. McKnight PhD, Katherine M. McKnight PhD, Souraya Sidani PhD, Aurelio José Figueredo PhD EPub