Multivariable Analysis: A Practical Guide for Clinicians

Mitchell H. Katz
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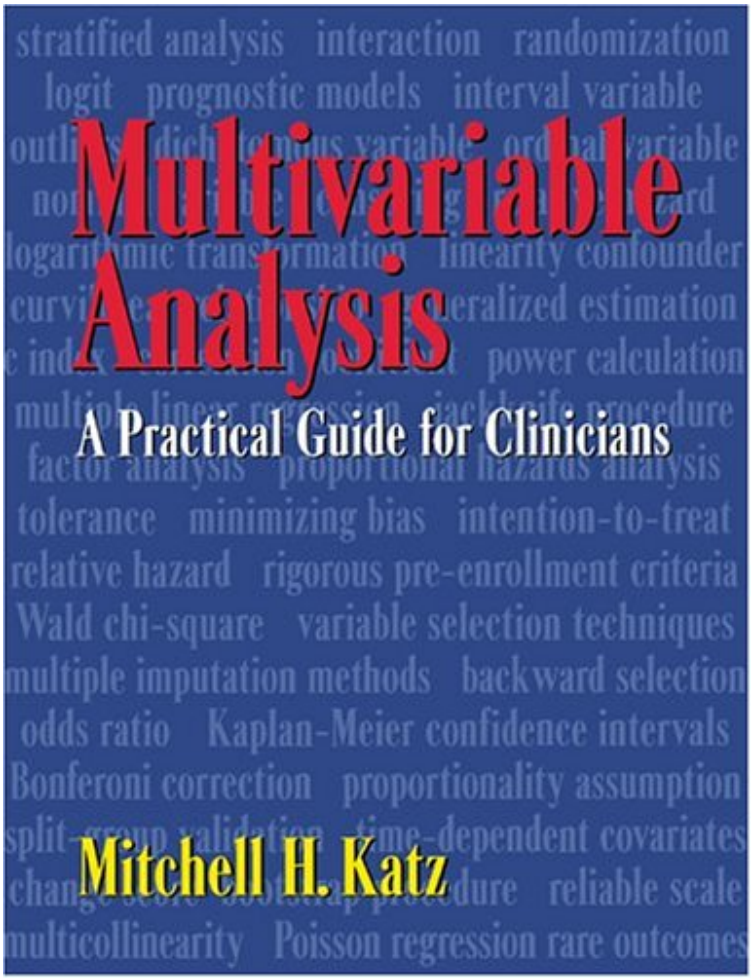

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Mitchell H. Katz : Multivariable Analysis: A Practical Guide for Clinicians before purchasing it in order to gage whether or not it would be worth my time, and all praised Multivariable Analysis: A Practical Guide for Clinicians:

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in textbooks and journals, and in many lectures, we have to analyze the information put in front of us. Our background in basic statistics is typically primitive, and certainly could use some help in understanding what we read. This very readable and even interesting 200 plus page book really fills that need. With an introduction as much seductive as informative, Dr. Katz makes his way through his early chapters discussing common uses, outcome variables, types of regression and other basic definitions. He uses the question and answer format which lends itself to learning the information in a building block manner. He constructs the book with numerous examples, handy tables and graphs and very helpful side boxes filled with pithy hints for making progress through the book. Each chapter has a built in summary and completes the questions asked. The index is complete and very pointed, making the reader able to use the book not only to learn the subject, but to refer back to previous reading. This book had an enthusiastic first outing, and certainly this second edition is worth the price for a good reference. Journal of the Kentucky Medical Association, Vol 104 (8), 2006, p.3954 of 5 people found the following review helpful. Poor organization: But Brief and Well WrittenBy sgopal2I used this book for a class last year. I found the organization quite horrible. There are 3 main multivariate models that he discusses in the book: Multiple regression, logistic regression and Cox proportional hazards. He ignores ANCOVA, ANOVA and multi-level frequency table (chi-square) methods.Instead of writing about the 3 main multivariate models above individually he sporadically switches between all 3 models. The TOC is organized as a series of questions and answers. I would have preferred he wrote about each of the 3 topics separately.Although finding the information you want is difficult, the book is written superbly. He makes it easy to understand difficult concepts such as interactions, model building, collinearity and testing of assumptions. You don't need a math background to understand this book. Aside from the organization of the contents, I loved this book! I would recommend for clinicians who are interested in learning about how multivariate models are created. If you review a lot of manuscripts in medical literature, this is a must read.

Multivariable analysis is a challenging subject for clinicians, whether they are novice researchers or trained practitioners. Most basic biostatistics books do not cover multivariable analysis, while existing multivariable analysis books are dense with mathematical formulas. Multivariable Analysis: A Practical Guide for Clinicians steps aside from mathematics and offers conceptual explanations. Dr. Mitchell Katz follows a nonthreatening, question-and-answer approach to explain how to perform and interpret multivariable analyses. He begins by explaining why clinicians should do multivariable analyses and then guides the reader through topics such as how to choose which type of multivariable method to perform, how to deal with missing data, and how to validate multivariable models. The book is loaded with useful tips, tables, figures, and references. Examples from the medical literature demonstrate several real-world applications and uses of multivariable analysis. This book will prove to be an indispensable guide for medical students, residents, and practicing physicians.

AMWA Medical Book Awards-Honorable Mentions-2000"This is the first nonmathematical book on multivariable analysis addressed to clinicians. Its range, organization, brevity, and clarity make it useful as a reference, a text, and a guide for self-study. The book is 'a practical guide for clinicians.'" Annals of Internal Medicine"This is the first nonmathematical book on multivariable analysis addressed to clinicians. Its range, organization, brevity, and clarity make it useful as a reference, a text, and a guide for self-study. The book is `a practical guide for clinicians.'" Annals of Internal Medicine