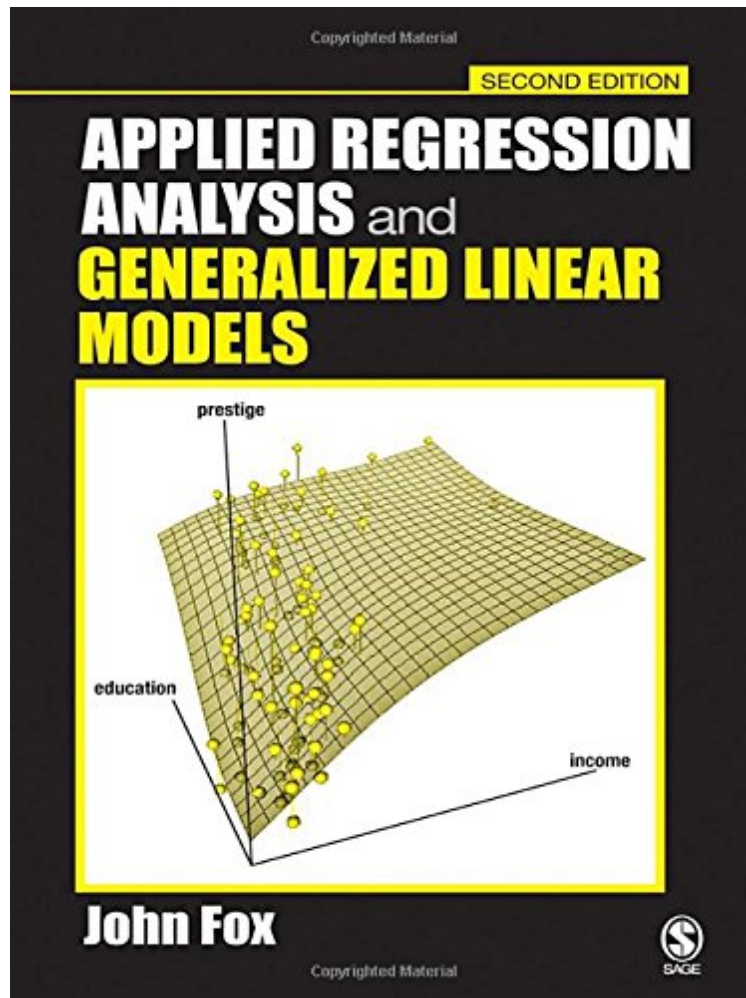


Applied Regression Analysis and Generalized Linear Models

John Fox

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John Fox : Applied Regression Analysis and Generalized Linear Models before purchasing it in order to gage whether or not it would be worth my time, and all praised Applied Regression Analysis and Generalized Linear Models:

4 of 4 people found the following review helpful. Conversational statistics By TSII had to get this book for an actuarial course, so it wasn't really a choice. Having said that, the content is without any useful examples. Most of the work is presented in a conversational fashion, which is great for a history book, but puzzling for a statistics book. Ch. 7, for example, would reference a data model first developed in Ch. 3 with additional components developed in Ch. 4. So trying to understand the example presented requires hunting the previous chapters for bits of information. There are sample problems at the end of the chapter - most people learn statistics with simple numerical problems and then build to more complex concepts. I had to use the internet and other texts to understand the material. A simple visual, for

example, of a quartile plot with a right and left skewed distribution (instead of just describing it) is a lot more powerful to understanding the material. 1 of 1 people found the following review helpful. This book will be a good addition to the book 'R Companion' by the same ...By Pitabas Mohanty I am enjoying reading this book. This is a very practical book and will help researchers in doing applied research work. I wish I read this book much before. This book answers a lot of questions that many other books simply do not address. Most econometrics book, for example, will advise a log transformation before doing regression in certain cases. This book, has a separate chapter dealing with all transformations that are needed before we do regression and explain when which transformation is required. I am finding each chapter value-adding. This book will be a good addition to the book 'R Companion' by the same author, Econometrics (Jeffrey Wooldridge) and Guide to Econometrics (Kennedy). I will strongly recommend this book to all serious researchers and PhD scholars. 22 of 23 people found the following review helpful. On par with other textbooks on the topic, but would be better to visit each topic more thoroughly separately. By 1000BooksNow that I have had a few more classes in the subject area, I feel a bit more confident that this book should have an average rating, rather than higher. The explanations of the book are not bad, if you already have a thorough understanding of the topic and are using this as a reference. It does provide a quick overview of most of the major topics in the field and includes a full chapter on the treatment of statistical analysis using matrices and graphical vector visuals. However, the organization is poor. Linear algebra, matrices and vectors should be introduced in the more accurate place of chapter 3,4 versus far later. Further, as a teaching tool, this book lacks practice problems to help the student through the learning process relative to other pieces that I've used. Further, each topic is addressed in the brief, which is good if you know the topic, but bad if it's the first time you're really looking at the work. The examples used are a bit discipline specific, that while not obscure, would make it somewhat difficult for newbies to the field to really obtain the type of practice and deep understanding that is required to go on to the next topic with confidence. Higher rated texts should split up the topics into multiple books or provide a greater number of examples and problem sets for students to build their skill set. I have seen some that include an accompanying CD of data and practice examples, that can be of great assistance to students struggling to learn this discipline.

Combining a modern, data-analytic perspective with a focus on applications in the social sciences, the Second Edition of Applied Regression Analysis and Generalized Linear Models provides in-depth coverage of regression analysis, generalized linear models, and closely related methods. Although the text is largely accessible to readers with a modest background in statistics and mathematics, author John Fox also presents more advanced material throughout the book. Key Updates to the Second Edition: Provides greatly enhanced coverage of generalized linear models, with an emphasis on models for categorical and count data. Offers new chapters on missing data in regression models and on methods of model selection. Includes expanded treatment of robust regression, time-series regression, nonlinear regression, and nonparametric regression. Incorporates new examples using larger data sets. Includes an extensive Web site at <http://www.sagepub.com/fox> that presents appendixes, data sets used in the book and for data-analytic exercises, and the data-analytic exercises themselves. Intended Audience: This core text will be a valuable resource for graduate students and researchers in the social sciences (particularly sociology, political science, and psychology) and other disciplines that employ linear and related models for data analysis.

"helps to bridge the divide between introductory and intermediate to advanced methods courses. The book is written in a clear, concise manner and organized in such a way as to help facilitate comprehension of the material... Together [with] the R and S-plus Companion to Applied Regression [has] made a fantastic contribution to the world of quantitative social science methodology." -- Ryan Baker * The Political Methodologist * "This is an excellent text on regression applications and methods, written with authority, lucidity, and eloquence." -- Joseph Cavanaugh "This is an excellent text on regression applications and methods, written with authority, lucidity, and eloquence." (Joseph Cavanaugh 2010-02-23) "helps to bridge the divide between introductory and intermediate to advanced methods courses. The book is written in a clear, concise manner and organized in such a way as to help facilitate comprehension of the material... Together [with] the R and S-plus Companion to Applied Regression [has] made a fantastic contribution to the world of quantitative social science methodology." (Ryan Baker The Political Methodologist 2002-09-01) About the Author John Fox is professor of sociology at McMaster University in Hamilton, Ontario, Canada. Fox earned a PhD in sociology from the University of Michigan in 1972, and prior to arriving at McMaster, he taught at the University of Alberta and at York University in Toronto, where he was cross-appointed in the sociology and mathematics and statistics departments and directed the university's statistical consulting service. He has delivered numerous lectures and workshops on statistical topics in North and South America, Europe, and Asia, at such places as the summer program of the Inter-University Consortium for Political and Social Research, the Oxford University Spring School in Quantitative Methods for Social Research, and the annual meetings of the American Sociological Association. Much of his recent work has been on formulating methods for visualizing complex statistical models and on developing software in the R statistical computing environment. He is the author and co-author of many articles, in such journals as Sociological Methodology, Sociological Methods and Research, The Journal of the

American Statistical Association, The Journal of Statistical Software, The Journal of Computational and Graphical Statistics, Statistical Science, Social Psychology Quarterly, The Canadian Journal of Sociology and Anthropology, and The Canadian Journal of Sociology. He has written a number of other books, including *Regression Diagnostics* (SAGE, 1991), *Nonparametric Simple Regression* (SAGE, 2000), *Multiple and Generalized Nonparametric Regression* (SAGE, 2000), *A Mathematical Primer for Social Statistics* (SAGE, 2008), and, with Sanford Weisberg, *An R Companion to Applied Regression, Second Edition* (SAGE, 2010). Fox also edits the SAGE Quantitative Applications in the Social Sciences (QASS) monograph series.