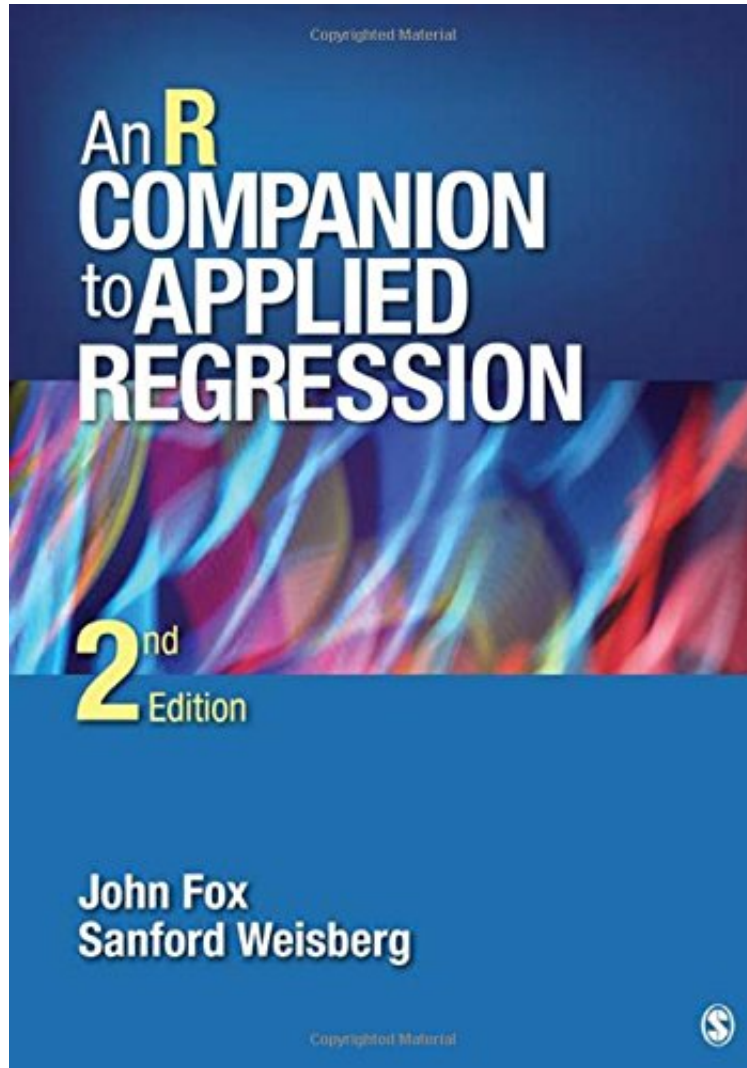


(Ebook pdf) An R Companion to Applied Regression

An R Companion to Applied Regression

John Fox, Harvey Sanford Weisberg
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Easy to follow and a perfect resource. However, what starts to annoy me about most books about R is that they all repeat the basics of using the software. 0 of 0 people found the following review helpful. Excellent reference book in Regression using R programming By OUAGANET This book is a must have for those interested in performing regression analysis using R. The authors provide clear and concise explanations with fully illustrated examples to reinforce the concepts.

This is a broad introduction to the R statistical computing environment in the context of applied regression analysis. It is a thoroughly updated edition of John Fox's bestselling text *An R and S-Plus Companion to Applied Regression* (SAGE, 2002). The Second Edition is intended as a companion to any course on modern applied regression analysis. The authors provide a step-by-step guide to using the high-quality free statistical software R, an emphasis on integrating statistical computing in R with the practice of data analysis, coverage of generalized linear models, enhanced coverage of R graphics and programming, and substantial web-based support materials.

"The text is very clearly written. It contains much wisdom and useful hints for those trying to analyze data with R." -- Robert W. Hayden
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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.
Sanford Weisberg is Professor of Statistics at the University of Minnesota, Twin Cities. He is also director of the University's Statistical Consulting Service for Liberal Arts, and has worked with literally hundreds of social scientists and others on the statistical aspects of their research. Professor Weisberg earned a BA in Statistics from the University of California, Berkeley, and a Ph.D. also in statistics from Harvard University, under the direction of Frederick Mosteller. The author of more than sixty articles, his research has primarily been in the areas of regression analysis, including graphical methods, regression diagnostics, and statistical computing. He is a Fellow of the American Statistical Association and former Chair of its Statistical Computing Section. He is the author or co-author of several books, including *Applied Linear Regression* (third edition 2005, Wiley), *Residuals and Influence in Regression* (with R. D. Cook, 1982, Chapman Hall), *Applied Regression Including Computing and Graphics* (with R. D. Cook, 1999 Wiley). He has several publications in areas that use statistics including archeology, plant sciences, wildlife management, fisheries, and public affairs.