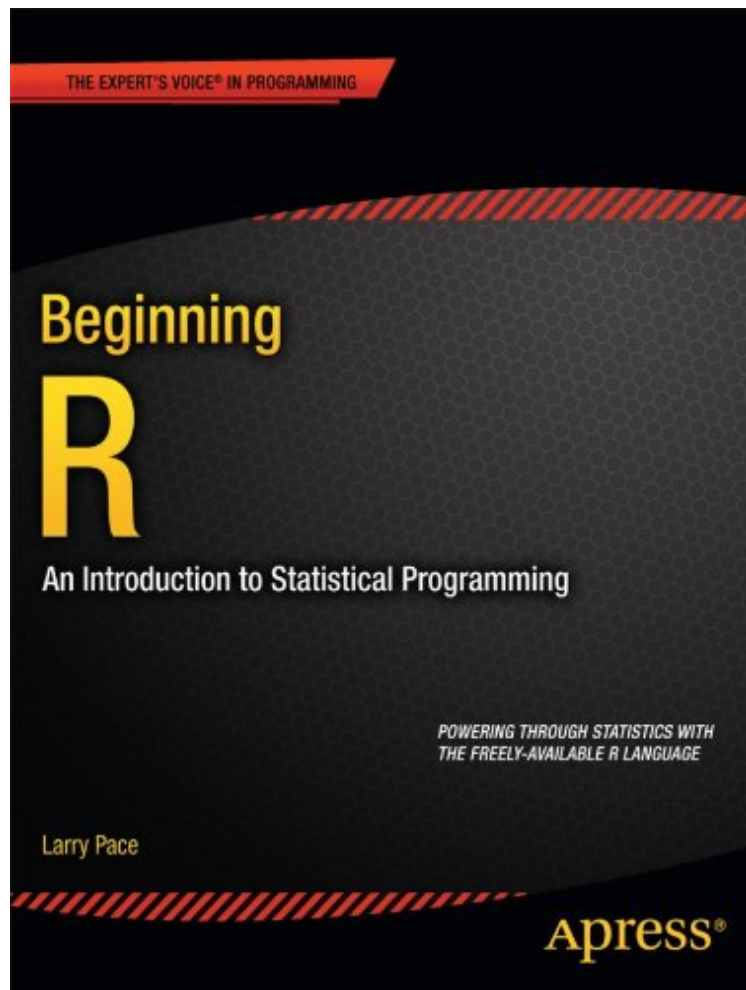


(Download free pdf) Beginning R: An Introduction to Statistical Programming (Expert's Voice in Programming)

Beginning R: An Introduction to Statistical Programming (Expert's Voice in Programming)

Larry A. Pace

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Larry A. Pace : Beginning R: An Introduction to Statistical Programming (Expert's Voice in Programming) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Beginning R: An Introduction to Statistical Programming (Expert's Voice in Programming):

15 of 19 people found the following review helpful. DisappointingBy William VenablesI am not a beginner with R, but I am interested to see how people approach teaching R to beginners. It's not an easy system to approach, though it should be. Some beginners seem to like this book, which depresses me a bit. The code tends to be clumsy, and all too often just plain wrong. (Clearly no reproducibility mechanism has been used as some examples are even syntactically incorrect.) A certain amount of clumsiness is probably a good idea if it leads the beginner to an understanding by a more accessible route, but most of the clumsiness here does not. An example is where the author uses an awkward

loop to produce a copy of the vector x omitting the i th component, when all that is needed is $x[-i]$, and I cannot believe this is difficult, even for beginners. What disappoints me about this book is that all too often it makes life difficult for the user and heads off in, to put it mildly, unhelpful and confusing directions. The book has a technical reviewer as part of the authorship team, but the role seems more of an adviser than of a reviewer. In places the 'reviewer's' advice is acknowledged, but not actually adopted. This I find very puzzling. 0 of 1 people found the following review helpful. Five Stars By R. Fassbinder Great book for a beginner and advanced 2 of 3 people found the following review helpful. Great book for learning R By stock4166 I like this book because it takes a practical hands-on approach to learning R by walking one through practical examples. I think the book is appropriately titled. It's not an exhaustive reference manual or cookbook nor does it teach one statistics. I have a lot of experience with SAS and it was easy for me to learn R from this book using SAS as my frame of reference. Neither R nor SAS are Excel. The former are statistical languages and they assume that you are already comfortable with statistical methods. That said, it does have detailed examples on how to set up and run many of the popular statistical methods which I won't enumerate here because you can read them all in the table of contents. Each section of the book that discusses a particular statistical method begins with an overview the relevant equations supporting it. I like the examples of plotting results. I'll be using this book as a quick reference when I need it for statistical methods that I frequently use.

Beginning R: An Introduction to Statistical Programming is a hands-on book showing how to use the R language, write and save R scripts, build and import data files, and write your own custom statistical functions. R is a powerful open-source implementation of the statistical language S, which was developed by ATT. R has eclipsed S and the commercially-available S-Plus language, and has become the de facto standard for doing, teaching, and learning computational statistics. R is both an object-oriented language and a functional language that is easy to learn, easy to use, and completely free. A large community of dedicated R users and programmers provides an excellent source of R code, functions, and data sets. R is also becoming adopted into commercial tools such as Oracle Database. Your investment in learning R is sure to pay off in the long term as R continues to grow into the go to language for statistical exploration and research. Covers the freely-available R language for statistics Shows the use of R in specific uses case such as simulations, discrete probability solutions, one-way ANOVA analysis, and more Takes a hands-on and example-based approach incorporating best practices with clear explanations of the statistics being done What you'll learn Acquire and install R Import and export data and scripts Generate basic statistics and graphics Program in R to write custom functions Use R for interactive statistical explorations Implement simulations and other advanced techniques Who this book is for Beginning R: An Introduction to Statistical Programming is an easy-to-read book that serves as an instruction manual and reference for working professionals, professors, and students who want to learn and use R for basic statistics. It is the perfect book for anyone needing a free, capable, and powerful tool for exploring statistics and automating their use.

From the Author This book is being revised and will be in a second edition in 2015. I am completely rewriting the book to include more current information and many more applications than the first edition covered. About the Author Dr. Larry Pace is a statistics author and educator, as well as a consultant. He lives in the upstate area of South Carolina in the town of Anderson. He is a professor of statistics, mathematics, psychology, management, and leadership. He has programmed in a variety of languages and scripting languages including R, Visual Basic, JavaScript, C#, PHP, APL, and in a long-ago world, Fortran IV. He writes books and tutorials on statistics, computers, and technology. He has also published many academic papers, and made dozens of presentations and lectures. He has consulted with Compaq Computers, ATT, Xerox Corporation, the U.S. Navy, and International Paper. He has taught at Keiser University, Argosy University, Capella University, Ashford University, Anderson University (where he was the chair of the behavioral sciences department), Clemson University, Louisiana Tech University, LSU in Shreveport, the University of Tennessee, Cornell University, Rochester Institute of Technology, Rensselaer Polytechnic Institute, and the University of Georgia.