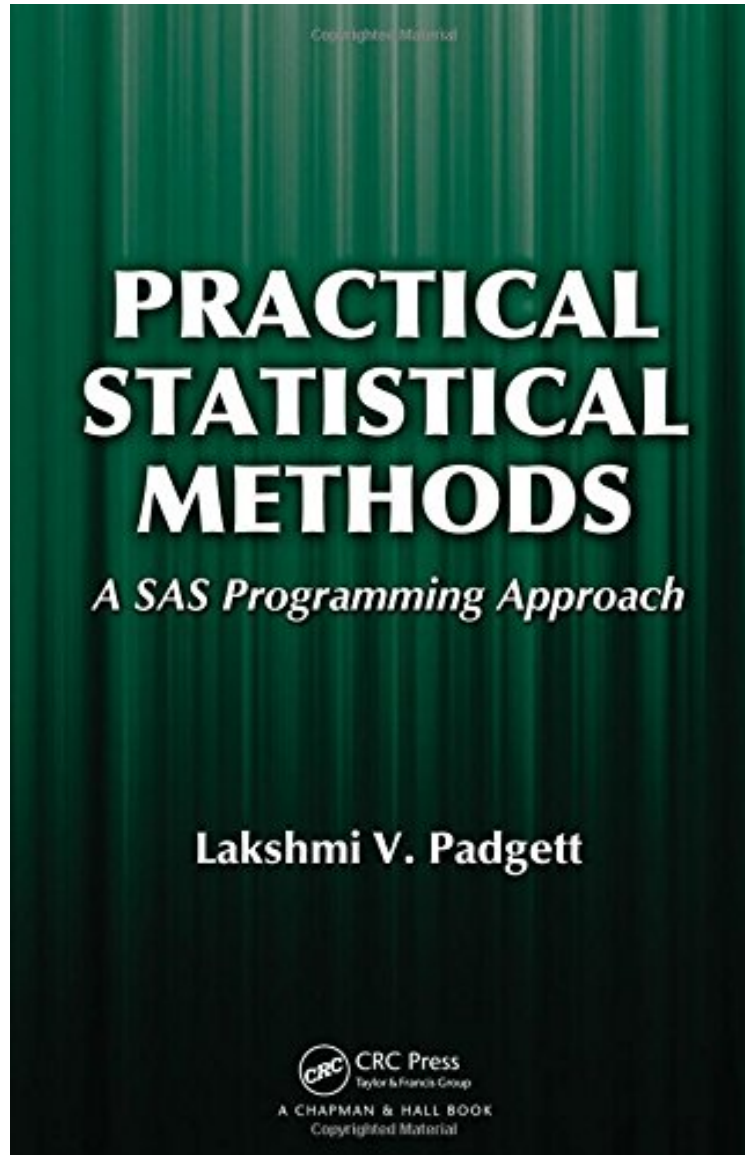


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# Practical Statistical Methods: A SAS Programming Approach

*Lakshmi Padgett*

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**Lakshmi Padgett : Practical Statistical Methods: A SAS Programming Approach** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Practical Statistical Methods: A SAS Programming Approach:

0 of 2 people found the following review helpful. Not very reader friendly, but does the job. By TS2009 I think the book is more complicated and technical than it needs to be, in terms of the way it is written. It does the job, but not very reader friendly, and the author tries to be very showy with the technical words, rather than focusing on explaining

and teaching well. For example, it would be nice if the author explains what one particular test does (i.e., Pearson Correlation Coefficient), and when to use that test over other tests, but the book introduces too many similar tests at once, which can confuse the reader/student. Unless you are a doctor of philosophy in stats, expect the book to be a bit reader-unfriendly. 1 of 1 people found the following review helpful. The theoretical and applied descriptions for each test are EXCELLENT. The book covers a great selection of topics ...By Internet PersonI had originally found this book in the library and, after 12 months of renewals, decided to buy a copy. The +4 stars: The theoretical and applied descriptions for each test are EXCELLENT. The book covers a great selection of topics divided as: Qualitative Data, Continuous Normal Data, Nonparametric Methods, Regression, Miscellaneous Topics (Robust and Jackknife Estimators, Bootstrap Method, Missing Data, Propensity Scores, ...). Further divided as one sample, two samples, k samples, with the appropriate tests in each group. I tend to use this book to remind myself which PROC step is used for a certain test (i.e. What's the Kaplan-Meier Survival PROC?) or to get a good refresher on a topic (i.e. What's the Kaplan-Meier Survival function?). A few things I like: -As far in as it's practical, the concepts are described without equations or formulas. -The SAS output is provided after each test with a nice notated interpretation of each value. -It's concise. Not a beginner's text on programming and statistics, but not a deep study either. The -1 star: The code in this book is formatted terribly. It's a run-on sentence (i.e., no indentions, no line breaks); so instead of a standard format like: DATA mydata; SET that\_data; code here; RUN; You get: DATA mydata; SET that\_data; code here; RUN; And when there are multiple steps, the author omits the RUN statement and lets the next step force an execution. String a few steps together and it gets pretty tough to read. I subtracted a star for this.

Practical Statistical Methods: A SAS Programming Approach presents a broad spectrum of statistical methods useful for researchers without an extensive statistical background. In addition to nonparametric methods, it covers methods for discrete and continuous data. Omitting mathematical details and complicated formulae, the text provides SAS programs to carry out the necessary analyses and draw appropriate inferences for common statistical problems. After introducing fundamental statistical concepts, the author describes methods used for quantitative data and continuous data following normal and nonnormal distributions. She then focuses on regression methodology, highlighting simple linear regression, logistic regression, and the proportional hazards model. The final chapter briefly discusses such miscellaneous topics as propensity scores, misclassification errors, interim analysis, conditional power, bootstrap, and jackknife. With SAS code and output integrated throughout, this book shows how to interpret data using SAS and illustrates the many statistical methods available for tackling problems in a range of fields, including the pharmaceutical industry and the social sciences.

About the Author Lakshmi V. Padgett is a senior manager at Centocor. She has more than 15 years of industrial experience and has published several papers in various leading journals. She also co-authored Block Designs: Analysis, Combinatorics and Applications. She earned a Ph.D. from Temple University.