Applied Multivariate Statistics with R (Statistics for Biology and Health)

Daniel Zelterman
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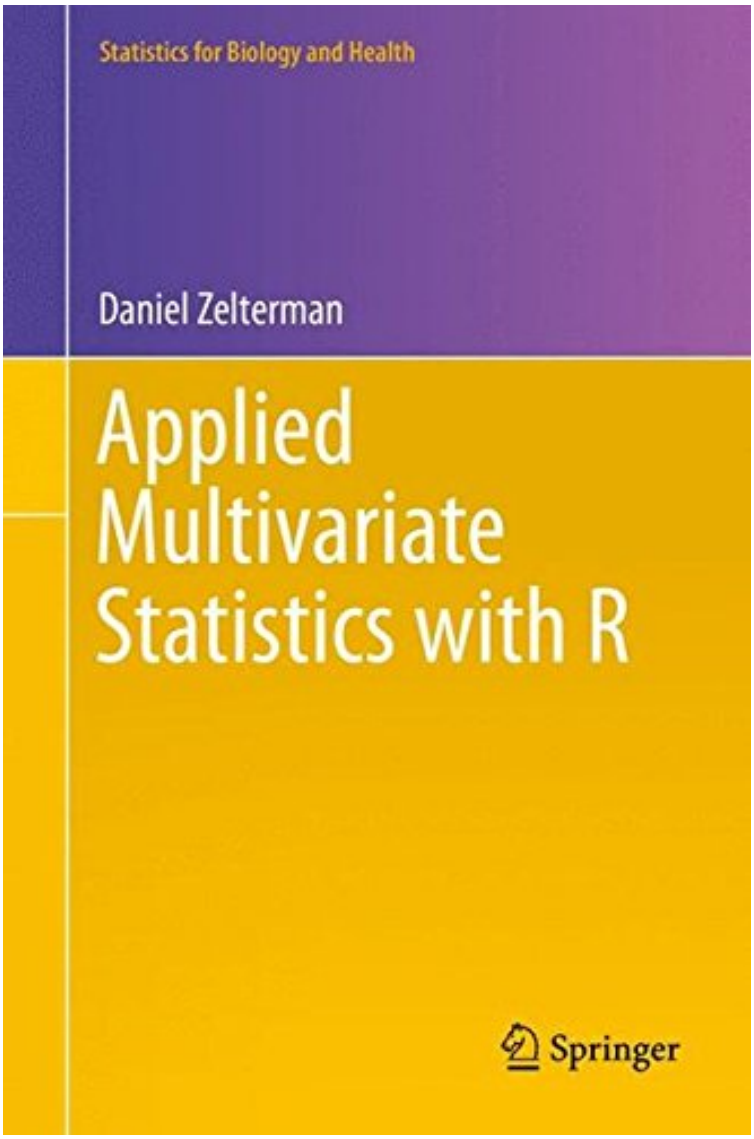

#2039552 in Books 2015-08-05Original language:EnglishPDF # 1 9.48 x 1.09 x 6.19l, .0 #File Name: 3319140922393 pages | File size: 20.Mb

Daniel Zelterman : Applied Multivariate Statistics with R (Statistics for Biology and Health) before purchasing it in order to gage whether or not it would be worth my time, and all praised Applied Multivariate Statistics with R (Statistics for Biology and Health):

0 of 0 people found the following review helpful. Practical and HelpfulBy Beth NDr. Zelterman has a knack for bringing real-world relevance to more complex statistical concepts. This book combines interesting (and sometimes

fun) examples of multivariate statistical problems with practical examples in the use of the free-to-use software, R. Beginning statisticians as well as more advanced users will find helpful examples and techniques within.

This book brings the power of multivariate statistics to graduate-level practitioners, making these analytical methods accessible without lengthy mathematical derivations. Using the open source, shareware program R, Professor Zelterman demonstrates the process and outcomes for a wide array of multivariate statistical applications. Chapters cover graphical displays, linear algebra, univariate, bivariate and multivariate normal distributions, factor methods, linear regression, discrimination and classification, clustering, time series models, and additional methods. Zelterman uses practical examples from diverse disciplines to welcome readers from a variety of academic specialties. Those with backgrounds in statistics will learn new methods while they review more familiar topics. Chapters include exercises, real data sets, and R implementations. The data are interesting, real-world topics, particularly from health and biology-related contexts. As an example of the approach, the text examines a sample from the Behavior Risk Factor Surveillance System, discussing both the shortcomings of the data as well as useful analyses. The text avoids theoretical derivations beyond those needed to fully appreciate the methods. Prior experience with R is not necessary.