

A Primer in Biological Data Analysis and Visualization Using R (Hardback)



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Reviews

Very good e-book and valuable one. It really is packed with knowledge and wisdom I am just very easily could possibly get a satisfaction of reading a created pdf.

(Walton Haag)

A PRIMER IN BIOLOGICAL DATA ANALYSIS AND VISUALIZATION USING R (HARDBACK)



Columbia University Press, United States, 2014. Hardback. Book Condition: New. 254 x 185 mm. Language: English . Brand New Book. R is the most widely used open-source statistical and programming environment for the analysis and visualization of biological data. Drawing on Gregg Hartvigsen s extensive experience teaching biostatistics and modeling biological systems, this text is an engaging, practical, and lab-oriented introduction to R for students in the life sciences. Underscoring the importance of R and RStudio in organizing, computing, and visualizing biological statistics and data, Hartvigsen guides readers through the processes of entering data into R, working with data in R, and using R to visualize data using histograms, boxplots, barplots, scatterplots, and other common graph types. He covers testing data for normality, defining and identifying outliers, and working with non-normal data. Students are introduced to common one- and two-sample tests as well as one- and two-way analysis of variance (ANOVA), correlation, and linear and nonlinear regression analyses. This volume also includes a section on advanced procedures and a chapter introducing algorithms and the art of programming using R.



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