Biostatistical Design and Analysis Using R: A Practical Guide

Dr Murray Logan
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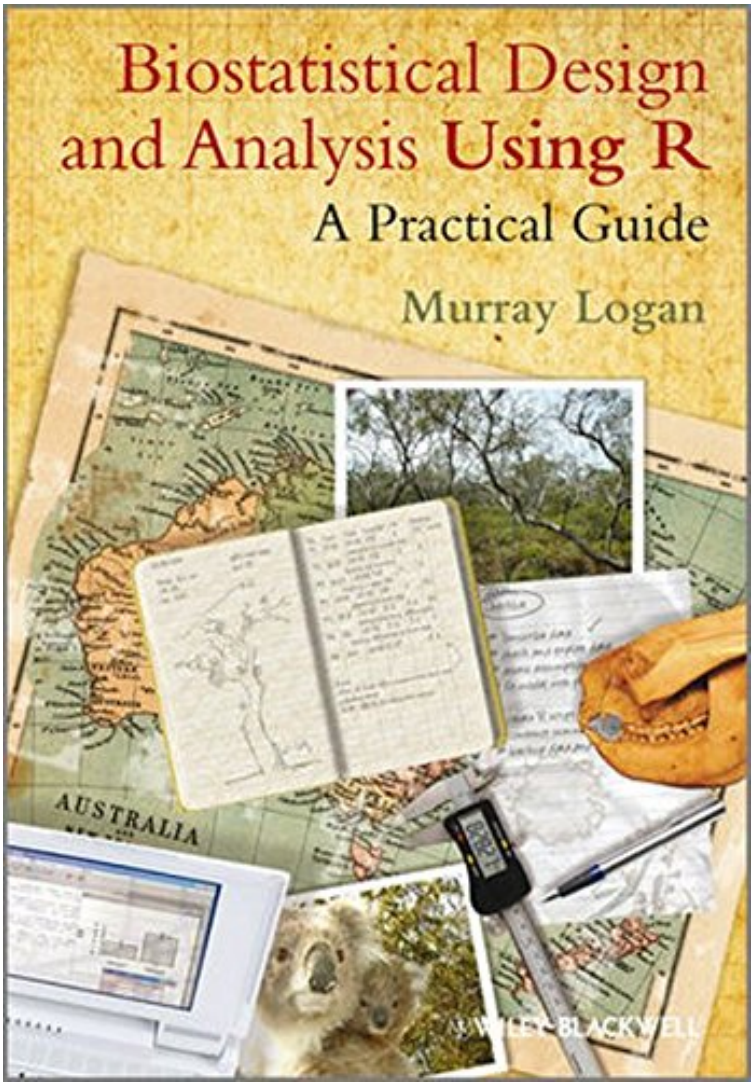

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Dr Murray Logan : Biostatistical Design and Analysis Using R: A Practical Guide before purchasing it in order to gage whether or not it would be worth my time, and all praised Biostatistical Design and Analysis Using R: A Practical Guide:

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sold to unsuspecting buyers?Save your money: Buy another book on R. I recommend the Albert/Rizzo book, "R by example", and also Paul Murrell's "R Graphics", and many others that contain correct code.This book is one of the most carelessly produced works I have ever seen.I want my money back.2 of 3 people found the following review helpful. kindle edition basically uselessBy EmmaThe content of this book is excellent, or so I'm told by those who have the print edition -- though even then, it appears to have been rushed to press with minimal editing. Nevertheless, Logan addresses topics that many other R books skip over entirely, and gives plentiful examples with code.However, in the kindle version there are a lot of rendering errors in the code, making it extremely difficult to follow. The "

R the statistical and graphical environment is rapidly emerging as an important set of teaching and research tools for biologists. This book draws upon the popularity and free availability of R to couple the theory and practice of biostatistics into a single treatment, so as to provide a textbook for biologists learning statistics, R, or both. An abridged description of biostatistical principles and analysis sequence keys are combined together with worked examples of the practical use of R into a complete practical guide to designing and analyzing real biological research. Topics covered include: simple hypothesis testing, graphing exploratory data analysis and graphical summaries regression (linear, multi and non-linear) simple and complex ANOVA and ANCOVA designs (including nested, factorial, blocking, spit-plot and repeated measures) frequency analysis and generalized linear models. Linear mixed effects modeling is also incorporated extensively throughout as an alternative to traditional modeling techniques. The book is accompanied by a companion website www.wiley.com/go/logan/r with an extensive set of resources comprising all R scripts and data sets used in the book, additional worked examples, the biology package, and other instructional materials and links.

If you want to do more than just the basics then Biostatistical Design and Analysis using Ris an excellent guide, helping you climb the steep learning curve. (British Ecological Society Bulletin, 1 March 2012) "Overall, this is an excellent reference for biologists and biostatisticians; it is also a very good supplemental textbook for a graduate-level biostatistics course." (The Quarterly of Biology, 2011) From the Back CoverR the statistical and graphical environment is rapidly emerging as an important set of teaching and research tools for biologists. This book draws upon the popularity and free availability of R to couple the theory and practice of biostatistics into a single treatment, so as to provide a textbook for biologists learning statistics, R, or both. An abridged description of biostatistical principles and analysis sequence keys are combined together with worked examples of the practical use of R into a complete practical guide to designing and analyzing real biological research. Topics covered include: simple hypothesis testing, graphing exploratory data analysis and graphical summaries regression (linear, multi and non-linear) simple and complex ANOVA and ANCOVA designs (including nested, factorial, blocking, spit-plot and repeated measures) frequency analysis and generalized linear models. Linear mixed effects modeling is also incorporated extensively throughout as an alternative to traditional modeling techniques. The book is accompanied by a companion website www.wiley.com/go/logan/r with an extensive set of resources comprising all R scripts and data sets used in the book, additional worked examples, the biology package, and other instructional materials and links.About the AuthorMurray Logan is a lecturer and researcher in the School of Biological Sciences, Monash University, Melbourne, Australia. He teaches a range of zoological and ecological courses in addition to biostatistical and R courses to undergraduate and graduate students. He also provides research design and analysis advice to a range of university, government and private organizations.