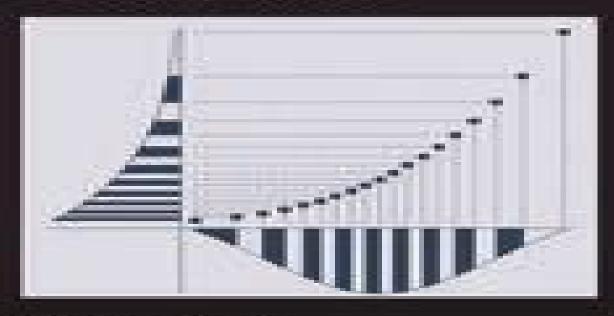
The R Series

Using R for Introductory Statistics

Second Edition



John Verzani



Using R For Introductory Statistics Second Edition

John Verzani

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Hothorn, 2016-01-13 The apparent contradiction between statistical significance and biological relevance has diminished the value of statistical methods as a whole in toxicology Moreover recommendations for statistical analysis are imprecise in most toxicological guidelines Addressing these dilemmas Statistics in Toxicology Using R explains the statistical analysi **Introductory Fisheries Analyses with R** Derek H. 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manipulate matrices and perform numerical calculations in R It prepares readers for higher level and specialized studies in **R Primer** Claus Thorn Ekstrom, 2017-07-28 Newcomers to R are often intimidated by the command line statistics interface the vast number of functions and packages or the processes of importing data and performing a simple statistical analysis The R Primer provides a collection of concise examples and solutions to R problems frequently encountered by new users of this statistical software This new edition adds coverage of R Studio and reproducible research M. Chambers, 2017-12-19 Up to Date Guidance from One of the Foremost Members of the R Core Team Written by John M Chambers the leading developer of the original S software Extending R covers key concepts and techniques in R to support analysis and research projects It presents the core ideas of R provides programming guidance for projects of all scales and introduces new valuable techniques that extend R The book first describes the fundamental characteristics and background of R giving readers a foundation for the remainder of the text It next discusses topics relevant to programming with R including the apparatus that supports extensions The book then extends R s data structures through object oriented programming which is the key technique for coping with complexity The book also incorporates a new structure for interfaces applicable to a variety of languages A reflection of what R is today this guide explains how to design and organize extensions to R by correctly using objects functions and interfaces It enables current and future users to add their own contributions and packages to R A 2017 Choice Outstanding Academic Title *Using the R Commander* John Fox, 2016-09-15 This book provides a general introduction to the R Commander graphical user interface GUI to R for readers who are unfamiliar with R It is suitable for use as a supplementary text in a basic or intermediate level statistics course It is not intended to replace a basic or other statistics text but rather to complement it although it does promote sound statistical practice in the examples The book should also be useful to individual casual or occasional users of R for whom the standard command line interface is an obstacle Testing R Code Richard Cotton, 2017-01-12 Learn how to write R code with fewer bugs The problem with programming is that you are always one typo away from writing something silly Likewise with data analysis a small mistake in your model can lead to a big mistake in your results Combining the two disciplines means that it is all too easy for a missed minus sign to generate a false prediction that you don't spot until it's too late Testing is the only way to be sure that your code and your results are correct Testing R Code teaches you how to perform development time testing using the testthat package allowing you to ensure that your code works as intended The book also teaches run time testing using the assertive package enabling your users to correctly run your code After beginning with an introduction to testing in R the book explores more advanced cases such as integrating tests into R packages testing code that accesses databases testing C code with Rcpp and testing graphics Each topic is explained with real world examples and has accompanying exercises for readers to practise their skills only a small amount of experience with R is needed to get started

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