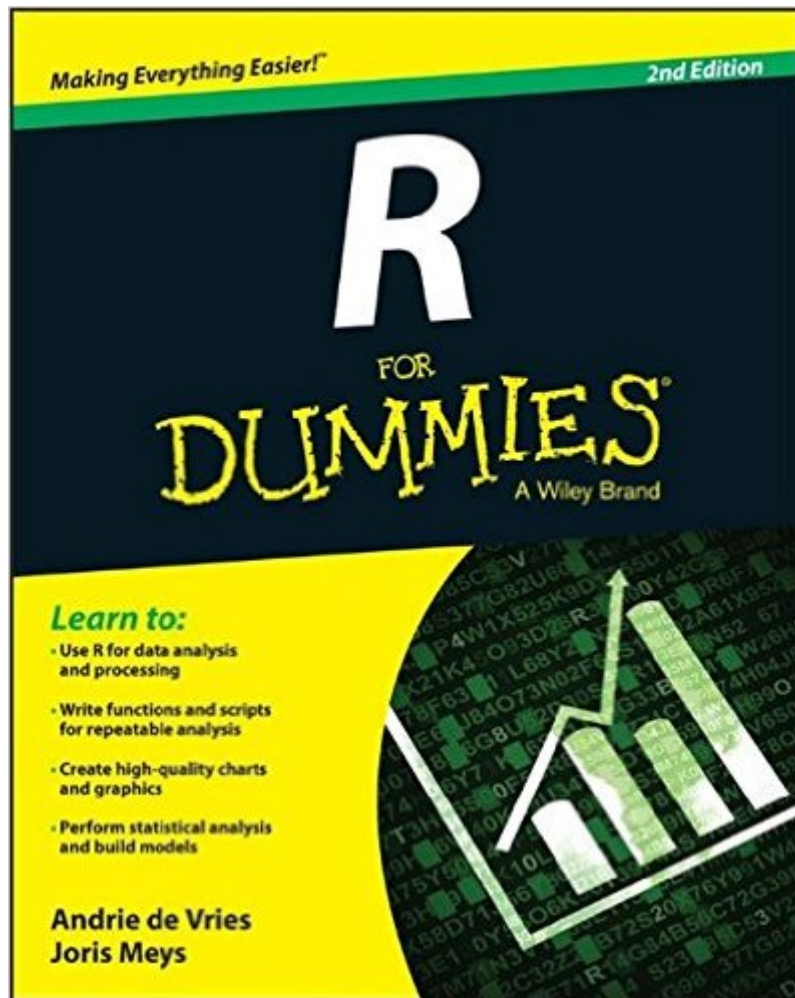


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# R For Dummies



## Synopsis

Mastering R has never been easier Picking up R can be tough, even for seasoned statisticians and data analysts. R For Dummies, 2nd Edition provides a quick and painless way to master all the R you'll ever need. Requiring no prior programming experience and packed with tons of practical examples, step-by-step exercises, and sample code, this friendly and accessible guide shows you how to know your way around lists, data frames, and other R data structures, while learning to interact with other programs, such as Microsoft Excel. You'll learn how to reshape and manipulate data, merge data sets, split and combine data, perform calculations on vectors and arrays, and so much more. R is an open source statistical environment and programming language that has become very popular in varied fields for the management and analysis of data. R provides a wide array of statistical and graphical techniques, and has become the standard among statisticians for software development and data analysis. R For Dummies, 2nd Edition takes the intimidation out of working with R and arms you with the knowledge and know-how to master the programming language of choice among statisticians and data analysts worldwide. Covers downloading, installing, and configuring R Includes tips for getting data in and out of R Offers advice on fitting regression models and ANOVA Provides helpful hints for working with graphics R For Dummies, 2nd Edition is an ideal introduction to R for complete beginners, as well as an excellent technical reference for experienced R programmers.

## Book Information

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## Customer Reviews

I teach statistics and statistical programming for a living and while this is not a bad book, it is so far from optimal I would not recommend it for my students. Typically people approach R because they have a dataset (in Excel or coming from REDCap) and they want to do basic summaries, graphics or make inferences. In everyday use that data gets imported into an R object called a data frame and then people play with the columns inside of the data frame. Rather than starting with real data imported into data frames, this book begins with manually typing data and doing basic operations on vectors. The authors do not get to data frames until page 132. Excel is not covered until page 229. Instead of first covering the basic tasks, like importing and describing data the authors cover key programming ideas, which are critical for a deeper understanding of R. That coverage is not bad at all but it could be better. All the material is hampered by the authors not sweating the details on their code. R is a case sensitive language and the authors are not consistent in how they name objects. For example in chapter 3, where they cover R naming, they include objects called Intro, Total.baskets, baskets.of.Granny. Because R pays attention to what is capitalized, readers of the book who are trying to follow along will have to waste time fixing the authors inconsistent capitalization. In general the writing is good to very good but it could be better. For example the coverage of methods vs functions is not crystal clear and it needs to be. If you are coming to R with a programming background there is some very nice stuff here.

R Programming language has become very prominent these days, because it is the goto language for "Data Science" and by extension "Data Scientist", the sexiest job of 21st century according to Harvard Business Review. WHY R FOR ME ( YOU ) Probably you are looking at changing your career to Data Science. If this is the case, I have signed up with coursera (John Hopkins) which has a specialization track called "Data Science". It gets you a certificate and a live project as well. They use R in the entire training curriculum. Here are the subjects 1. The Data Scientist's Toolbox 2. R Programming 3. Getting and Cleaning Data 4. Exploratory Data Analysis 5. Reproducible Research 6. Statistical Inference 7. Regression Models 8. Practical Machine Learning 9. Developing Data Products 10. Data Science Capstone ... A real project. Also, if money is not an issue, Harvard is providing a data science course online (8 grand) and UC Berkley is also having one. Please check out them as well and many more will certainly crop up. Before you begin to study, a good statistics knowledge will get you beyond a 'mediocre' Data scientist. In fact at Harvard Data science course, Introduction to Statistics is a prerequisite. R ISSUES ONLINE: This is how I got into R Programming. I am still studying and the problem with this Coursera is that they assume a level of intelligence

most of us do not have. Few slides of R and then there is a project with very little help from there on. It is very frustrating and no doubt many drop out. By the way, if passing the test and get certificate is all you need, answers for all the exercises are available online.

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