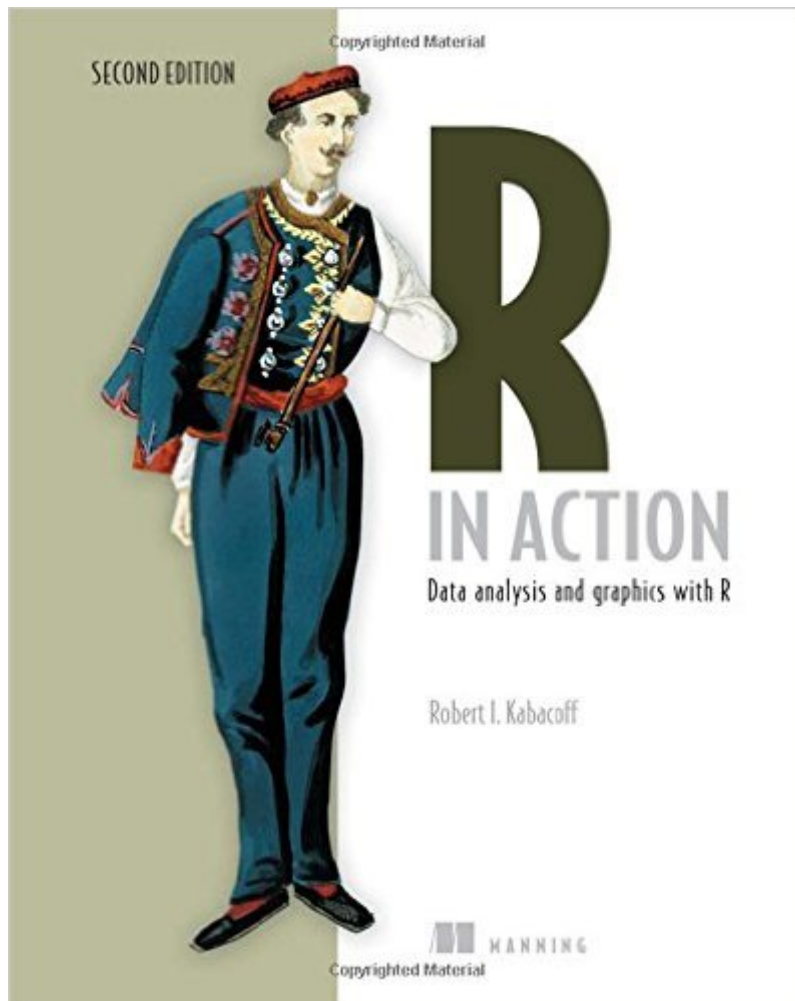


The book was found

R In Action: Data Analysis And Graphics With R



Synopsis

Summary R in Action, Second Edition presents both the R language and the examples that make it so useful for business developers. Focusing on practical solutions, the book offers a crash course in statistics and covers elegant methods for dealing with messy and incomplete data that are difficult to analyze using traditional methods. You'll also master R's extensive graphical capabilities for exploring and presenting data visually. And this expanded second edition includes new chapters on time series analysis, cluster analysis, and classification methodologies, including decision trees, random forests, and support vector machines. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the TechnologyBusiness pros and researchers thrive on data, and R speaks the language of data analysis. R is a powerful programming language for statistical computing. Unlike general-purpose tools, R provides thousands of modules for solving just about any data-crunching or presentation challenge you're likely to face. R runs on all important platforms and is used by thousands of major corporations and institutions worldwide.

About the BookR in Action, Second Edition teaches you how to use the R language by presenting examples relevant to scientific, technical, and business developers. Focusing on practical solutions, the book offers a crash course in statistics, including elegant methods for dealing with messy and incomplete data. You'll also master R's extensive graphical capabilities for exploring and presenting data visually. And this expanded second edition includes new chapters on forecasting, data mining, and dynamic report writing.

What's InsideComplete R language tutorialUsing R to manage, analyze, and visualize dataTechniques for debugging programs and creating packagesOOOP in ROver 160 graphsAbout the AuthorDr. Rob Kabacoff is a seasoned researcher and teacher who specializes in data analysis. He also maintains the popular Quick-R website at statmethods.net.

Table of ContentsPART 1 GETTING STARTEDIntroduction to RCreating a datasetGetting started with graphsBasic data managementAdvanced data managementPART 2 BASIC METHODSBasic graphsBasic statisticsPART 3 INTERMEDIATE METHODSRegressionAnalysis of variancePower analysisIntermediate graphsResampling statistics and bootstrappingPART 4 ADVANCED METHODSGeneralized linear modelsPrincipal components and factor analysisTime seriesCluster analysisClassificationAdvanced methods for missing dataPART 5 EXPANDING YOUR SKILLSAdvanced graphics with ggplot2Advanced programmingCreating a packageCreating dynamic reportsAdvanced graphics with the lattice package available online only from manning.com/kabacoff2

Book Information

Paperback: 608 pages

Publisher: Manning Publications; 2 edition (June 6, 2015)

Language: English

ISBN-10: 1617291382

ISBN-13: 978-1617291388

Product Dimensions: 7.3 x 1.4 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (30 customer reviews)

Best Sellers Rank: #12,182 in Books (See Top 100 in Books) #7 in [Books > Computers & Technology > Software > Mathematical & Statistical](#) #7 in [Books > Textbooks > Computer Science > Database Storage & Design](#) #9 in [Books > Computers & Technology > Databases & Big Data > Data Mining](#)

Customer Reviews

Back in 2011, I was an early enthusiast of "R in Action"'s first edition, praising the book as the only high-quality product in a growing field of R introductions rushing to market. (In the parallel universe of statistics-with-R books, "The R Book" by Crowley - now also in its second edition - reigned). In 2014, I revised my review, and reiterated my endorsement, but noted "R for Everyone" by Jared Lander as an appealing, "fresh" upstart rival. At that time, second edition of "R in Action" was already listed on [Amazon](#) as available for pre-order, but the release date kept being postponed. Having pre-ordered "R in Action" 2.0 in May 2014, I only got it in June 2015. The changes from the first edition are helpfully summarized on page xxvii, but I will distinguish five strands. First, there is a nod to the computer-science (vs. "proper" statistics) sensibility, via addition of a chapter on clustering and another chapter on classification, discussing CART and SVM methods. Second, two new chapters deal with R as a programming language, with one chapter dedicated to package-building. Third, there is a new chapter on producing reports, focusing on, but not limited to, the capability of "rmarkdown" R package. Fourth, second edition boosts coverage of "ggplot2" package. Finally, statistics repertoire is expanded with a short chapter on (very basic) time-series analysis, relying on "forecast" R package. I may have wished for a few different choices. The package-building chapter could have been dropped, and more space given to either statistics (one could say more about regression - maybe taking a page from "Modern Regression Techniques Using R" by Wright and London) or machine learning.

Whether data analysis is your field, your current major or your next career-change ambition, you likely need this book. Free and open source R is one of the world's most popular languages for data analysis and visualization. And Robert I. Kabacoff's updated new edition is, in my opinion, one of the top books out there for getting a handle on R. (I have used and previously reviewed several R how-to books.) R is relatively easy to install on Windows, Mac OS X and Linux machines. But it is generally considered difficult to learn. Much of that is because of its rich abundance of features and packages, as well as its ability to create many types of graphs. "The base installation," Kabacoff writes, "provides hundreds of data-management, statistical, and graphical functions out of the box. But some of its most powerful features come from the thousands of extensions (packages) provided by contributing authors." Kabacoff concedes: "It can be hard for new users to get a handle on what R is and what it can do." And: "Even the most experienced R user is surprised to learn about features they were unaware of." R in Action, Second Edition, contains more than 200 pages of new material. And it is nicely structured to meet the needs of R beginners, as well as those of us who have some experience and want to gain more. The book (579 pages in print format) is divided into five major parts. The first part, "Getting Started," takes the beginner from an installing and trying R to creating data sets, working with graphs, and managing data. Part 2, "Basic Methods," focuses on graphical and statistical techniques for obtaining basic information about data.

[Download to continue reading...](#)

Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault R in Action: Data Analysis and Graphics with R The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved Business Performance, Life Decisions & More! Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) Graphics for Statistics and Data Analysis with R (Chapman & Hall/CRC Texts in Statistical Science) Computer Graphics Through OpenGL: From Theory to Experiments (Chapman & Hall/CRC Computer Graphics, Geometric Modeling, and Animation) Graphics Gems IV (IBM Version) (Graphics Gems - IBM) (No. 4) Big Data, MapReduce, Hadoop, and Spark with Python: Master Big Data Analytics and Data Wrangling with MapReduce Fundamentals using Hadoop, Spark, and Python LEARN IN A DAY! DATA WAREHOUSING. Top Links and Resources for Learning Data Warehousing ONLINE and OFFLINE: Use these FREE and PAID resources to Learn Data Warehousing in little to no time Discovering Knowledge in Data: An Introduction to Data Mining

(Wiley Series on Methods and Applications in Data Mining) Data Just Right: Introduction to Large-Scale Data & Analytics (Addison-Wesley Data and Analytics) Python Data Analytics: Data Analysis and Science using pandas, matplotlib and the Python Programming Language Statistics for Ecologists Using R and Excel: Data Collection, Exploration, Analysis and Presentation (Data in the Wild) Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython Just Plain Data Analysis: Finding, Presenting, and Interpreting Social Science Data Excel Conditional Formatting: Tips You Can Use Immediately To Make Your Data Stand Out (Data Analysis With Excel Book 3) R for Everyone: Advanced Analytics and Graphics (Addison-Wesley Data and Analytics) R for Everyone: Advanced Analytics and Graphics (Addison-Wesley Data & Analytics Series)

[Dmca](#)