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Data Manipulation with R

Data Manipulation With R Use R

JR Anderson



Data Manipulation With R Use R:

Data manipulation with R : efficiently perform data manipulation using the split-apply-combine strategy in R

Jaynal Abedin, Kishor Kumar Das, 2015-03-31 This book is for all those who wish to learn about data manipulation from scratch and excel at aggregating data effectively It is expected that you have basic knowledge of R and have previously done some basic administration work with R [Data Manipulation with R](#) Jaynal Abedin, 2014 This book is a step by step example oriented tutorial that will show both intermediate and advanced users how data manipulation is facilitated smoothly using R This book is aimed at intermediate to advanced level users of R who want to perform data manipulation with R and those who want to clean and aggregate data effectively Readers are expected to have at least an introductory knowledge of R and some basic administration work in R such as installing packages and calling them when required **Data Manipulation With R**

William Jayden, 2017-06-03 This book starts with the installation of R and how to go about using R and its libraries We then discuss the mode of R objects and its classes and then highlight different R data types with their basic operations The primary focus on group wise data manipulation with the split apply combine strategy has been explained with specific examples The book also contains coverage of some specific libraries such as lubridate reshape2 plyr dplyr stringr and sqldf You will not only learn about group wise data manipulation but also learn how to efficiently handle date string and factor variables along with different layouts of datasets using the reshape2 package By the end of this book you will have learned about text manipulation using stringr how to extract data from twitter using twitterR library how to clean raw data and how to structure your raw data for data mining **Data Manipulation with R** Phil Spector, 2008-03-19 This book presents a wide array of methods applicable for reading data into R and efficiently manipulating that data In addition to the built in functions a number of readily available packages from CRAN the Comprehensive R Archive Network are also covered All of the methods presented take advantage of the core features of R vectorization efficient use of subscripting and the proper use of the varied functions in R that are provided for common data management tasks Most experienced R users discover that especially when working with large data sets it may be helpful to use other programs notably databases in conjunction with R Accordingly the use of databases in R is covered in detail along with methods for extracting data from spreadsheets and datasets created by other programs Character manipulation while sometimes overlooked within R is also covered in detail allowing problems that are traditionally solved by scripting languages to be carried out entirely within R For users with experience in other languages guidelines for the effective use of programming constructs like loops are provided Since many statistical modeling and graphics functions need their data presented in a data frame techniques for converting the output of commonly used functions to data frames are provided throughout the book *Data Manipulation in R* Stephanie Locke, 2017-12-14 Continue your data science journey today Discover how to systematically process and analyse data a vital skill for a data scientist This series of books takes you through everything you need to know and starts off with the very

basics The second book gives you a thorough grounding in analysing data From preparing it so you can go on to applying machine learning algorithms to producing high level analysis this book gives you what you need You ll be equipped to work with common data sources like spreadsheets and databases process data and pass it on to others Great stuff I learned lots of new things including some advanced wrangling that I had not seen covered elsewhere This book packs a lot in covering all the essential requirements for day to day working with R This book will definitely help those transitioning from spreadsheets to become proficient with R John MacKintosh Whether you re looking to become more productive with data analysis or you d like to learn machine learning and statistics this book gives you a rock solid foundation in wrangling data that will enable you to grow and achieve your goals

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Statistical Problems in Particle Physics, Astrophysics and Cosmology Louis Lyons, Mige Karagz nel, 2006 These proceedings comprise current statistical issues in analyzing data in particle physics astrophysics and cosmology as discussed at the PHYSTAT05 conference in Oxford This is a continuation of the popular PHYSTAT series previous meetings were held at CERN 2000 Fermilab 2000 Durham 2002 and Stanford 2003 In depth discussions on topical issues are presented by leading statisticians and research workers in their relevant fields Included are invited reviews and contributed research papers presenting the latest state of the art techniques

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MouseLab Web Then you'll see how R can work for you without statistics including how R can be used to automate data formatting manipulation reporting and custom functions The final part of this book discusses using R on a server you'll build a script with R that can run an RStudio Server and monitor a report source for changes to alert the user when something has changed This project includes both regular email alerting and push notification And finally you'll use R to create a customized daily rundown report of a person's most important information such as a weather report daily calendar to do's and more This demonstrates how to automate such a process so that every morning the user navigates to the same web page and gets the updated report What You Will Learn Set up and run an R script including installation on a new machine and downloading and configuring R Turn any machine into a powerful data analytics platform accessible from anywhere with RStudio Server Write basic R scripts and modify existing scripts to suit your own needs Create basic HTML reports in R inserting information as needed Build a basic R package and distribute it Who This Book Is For Some prior exposure to statistics programming and maybe SAS is recommended but not required [Stata User's Guide](#) Stata Corporation, 2001 [Energy Research Abstracts](#), 1984 [Official Gazette of the United States Patent and Trademark Office](#), 1996

Bioinformatics in Aquaculture Zhanjiang (John) Liu, 2017-04-17 Bioinformatics derives knowledge from computer analysis of biological data In particular genomic and transcriptomic datasets are processed analysed and whenever possible associated with experimental results from various sources to draw structural organizational and functional information relevant to biology Research in bioinformatics includes method development for storage retrieval and analysis of the data Bioinformatics in Aquaculture provides the most up to date reviews of next generation sequencing technologies their applications in aquaculture and principles and methodologies for the analysis of genomic and transcriptomic large datasets using bioinformatic methods algorithm and databases The book is unique in providing guidance for the best software packages suitable for various analysis providing detailed examples of using bioinformatic software and command lines in the context of real world experiments This book is a vital tool for all those working in genomics molecular biology biochemistry and genetics related to aquaculture and computational and biological sciences **A Tutorial Guide to Lotus 1-2-3, Release 2.2** Timothy J. O'Leary, 1991 Provides 9 interactive tutorials for creating enhancing managing using worksheets creating using line graphs databases and macros Includes sample files on accompanying disk **Translational Cardiology** Jeffrey A. Bakal, Michael Gibson, Adam E.M. Eltorai, 2025-02-01 Translational Cardiology provides a cardiology specific instructional guide to translational medical research that will serve as a practical step by step roadmap for taking a biomedical device potential therapeutic agent or research question from idea through demonstrated clinical benefit Fundamentally the volume aims to help bridge the gap between current research and practice Written by a team of expert medical biomedical engineering and clinical research experts in cardiology this book provides a clear process for understanding designing executing and analyzing clinical and translational research Focuses on translational cardiovascular

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