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RILEY RILEY

Ruby on Rails Tutorial CRC Press
R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages.

In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown,

shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Grolemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

You Don't Know JS: Scope & Closures

CRC Press

Feeling overwhelmed and unproductive? The answer isn't to do more. What image forms in your mind when you think of productivity? An assembly line? Spreadsheets? Business suits or workplace uniforms? In the ancient world, productivity didn't conjure images like these. Instead, it referred to crop yield and fruit bearing. This agrarian imagery helps us understand productivity through a biblical lens. Jesus taught, By this my Father is glorified, that you bear much fruit (John 15:8). Who doesn't want to have a truly productive life—to bear much fruit? But how does this happen in the places we hold dear—the home, workplace, and in our communities? We often feel overworked and overrun, defeated and discouraged. The world says be productive so that you can get all you can out of this life. The Bible says be productive so you can gain more of the next life. In *Redeeming Productivity*, author Reagan Rose explores how God's glory is the purpose for which He planted us. And he shows how productivity must be firmly rooted in the gospel. Only through our connection to Christ—the True

Vine—are we empowered to produce good fruit. This book shows how we can maintain the vitality of that connection through simple, life-giving disciplines. Readers will discover manageable applications like giving God the first fruits of our days. Additionally, Reagan discusses how our perspective on suffering is transformed as we see trials as God's pruning for greater productivity. *Master Your Mac* CRC Press
bookdown: Authoring Books and Technical Documents with R Markdown presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The *bookdown* package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with *bookdown*. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to

multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but *bookdown* is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with *bookdown* and R Markdown, and its source is fully available on GitHub.

The Official Guide to Mermaid.js CRC Press
Introduction to Data Science: Data Analysis and Prediction Algorithms with R introduces concepts and skills that can help you tackle real-world data analysis challenges. It covers concepts from probability, statistical inference, linear regression, and machine learning. It also

helps you develop skills such as R programming, data wrangling, data visualization, predictive algorithm building, file organization with UNIX/Linux shell, version control with Git and GitHub, and reproducible document preparation. This book is a textbook for a first course in data science. No previous knowledge of R is necessary, although some experience with programming may be helpful. The book is divided into six parts: R, data visualization, statistics with R, data wrangling, machine learning, and productivity tools. Each part has several chapters meant to be presented as one lecture. The author uses motivating case studies that realistically mimic a data scientist's experience. He starts by asking specific questions and answers these through data analysis so concepts are learned as a means to answering the questions. Examples of the case studies included are: US murder rates by state, self-reported student heights, trends in world health and economics, the impact of vaccines on infectious disease rates, the financial crisis of 2007-2008, election forecasting, building a baseball team, image processing of hand-written digits, and movie recommendation

systems. The statistical concepts used to answer the case study questions are only briefly introduced, so complementing with a probability and statistics textbook is highly recommended for in-depth understanding of these concepts. If you read and understand the chapters and complete the exercises, you will be prepared to learn the more advanced concepts and skills needed to become an expert.

R Cookbook CRC Press

Building a successful product usually involves teams of people, and many choose the Scrum approach to aid in creating products that deliver the highest possible value. Implementing Scrum gives teams a collection of powerful ideas they can assemble to fit their needs and meet their goals. The ninety-four patterns contained within are elaborated nuggets of insight into Scrum's building blocks, how they work, and how to use them. They offer novices a roadmap for starting from scratch, yet they help intermediate practitioners fine-tune or fortify their Scrum implementations. Experienced practitioners can use the patterns and supporting explanations to get a better

understanding of how the parts of Scrum complement each other to solve common problems in product development. The patterns are written in the well-known Alexandrian form, whose roots in architecture and design have enjoyed broad application in the software world. The form organizes each pattern so you can navigate directly to organizational design tradeoffs or jump to the solution or rationale that makes the solution work. The patterns flow together naturally through the context sections at their beginning and end. Learn everything you need to know to master and implement Scrum one step at a time—the agile way. [Data Science in Education Using R](#) CRC Press

With more than 200 practical recipes, this book helps you perform data analysis with R quickly and efficiently. The R language provides everything you need to do statistical work, but its structure can be difficult to master. This collection of concise, task-oriented recipes makes you productive with R immediately, with solutions ranging from basic tasks to input and output, general statistics, graphics, and linear regression. Each recipe

addresses a specific problem, with a discussion that explains the solution and offers insight into how it works. If you're a beginner, R Cookbook will help get you started. If you're an experienced data programmer, it will jog your memory and expand your horizons. You'll get the job done faster and learn more about R in the process. Create vectors, handle variables, and perform other basic functions Input and output data Tackle data structures such as matrices, lists, factors, and data frames Work with probability, probability distributions, and random variables Calculate statistics and confidence intervals, and perform statistical tests Create a variety of graphic displays Build statistical models with linear regressions and analysis of variance (ANOVA) Explore advanced statistical techniques, such as finding clusters in your data "Wonderfully readable, R Cookbook serves not only as a solutions manual of sorts, but as a truly enjoyable way to explore the R language—one practical example at a time."—Jeffrey Ryan, software consultant and R package author
Basics of Matrix Algebra for Statistics with R Chapman & Hall/CRC

Artificial Intelligence: A Modern Approach offers the most comprehensive, up-to-date introduction to the theory and practice of artificial intelligence. Number one in its field, this textbook is ideal for one or two-semester, undergraduate or graduate-level courses in Artificial Intelligence.
Learn Markdown Simon and Schuster Data Science in Education Using R is the go-to reference for learning data science in the education field. The book answers questions like: What does a data scientist in education do? How do I get started learning R, the popular open-source statistical programming language? And what does a data analysis project in education look like? If you're just getting started with R in an education job, this is the book you'll want with you. This book gets you started with R by teaching the building blocks of programming that you'll use many times in your career. The book takes a "learn by doing" approach and offers eight analysis walkthroughs that show you a data analysis from start to finish, complete with code for you to practice with. The book finishes with how to get involved in the data science community and how to integrate data

science in your education job. This book will be an essential resource for education professionals and researchers looking to increase their data analysis skills as part of their professional and academic development.

Reverse Wine Snob Moody Publishers blogdown: Creating Websites with R Markdown provides a practical guide for creating websites using the blogdown package in R. In this book, we show you how to use dynamic R Markdown documents to build static websites featuring R code (or other programming languages) with automatically rendered output such as graphics, tables, analysis results, and HTML widgets. The blogdown package is also suitable for technical writing with elements such as citations, footnotes, and LaTeX math. This makes blogdown an ideal platform for any website designed to communicate information about data science, data analysis, data visualization, or R programming. Note that blogdown is not just for blogging or sites about R; it can also be used to create general-purpose websites. By default, blogdown uses Hugo, a popular open-source static website

generator, which provides a fast and flexible way to build your site content to be shared online. Other website generators like Jekyll and Hexo are also supported. In this book, you will learn how to: Build a website using the blogdown package; Create blog posts and other website content as dynamic documents that can be easily edited and updated; Customize Hugo templates to suit your site's needs; Publish your website online; Migrate your existing websites to blogdown and Hugo. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published two other books, *Dynamic Documents with R* and *knitr* and *bookdown: Authoring Books and Technical Documents with R Markdown*. Amber Thomas is a data journalist and "maker" at the online publication of visual essays: *The Pudding* (<https://pudding.cool>). Her educational background was marine biology, but she has a strong love of data analysis, visualization, and storytelling. Alison Presmanes Hill is an Associate Professor of Pediatrics at Oregon Health &

Science University, where she teaches Computer Science courses on data analysis, data science, and visualization. Her research focuses on using computational methods to study the development of children with neurodevelopmental disorders, in particular Autism Spectrum Disorders. *Build Websites with Hugo* CRC Press Widely considered one of the best practical guides to programming, Steve McConnell's original *CODE COMPLETE* has been helping developers write better software for more than a decade. Now this classic book has been fully updated and revised with leading-edge practices—and hundreds of new code samples—illustrating the art and science of software construction. Capturing the body of knowledge available from research, academia, and everyday commercial practice, McConnell synthesizes the most effective techniques and must-know principles into clear, pragmatic guidance. No matter what your experience level, development environment, or project size, this book will inform and stimulate your thinking—and help you build the highest quality code.

Discover the timeless techniques and strategies that help you: Design for minimum complexity and maximum creativity Reap the benefits of collaborative development Apply defensive programming techniques to reduce and flush out errors Exploit opportunities to refactor—or evolve—code, and do it safely Use construction practices that are right-weight for your project Debug problems quickly and effectively Resolve critical construction issues early and correctly Build quality into the beginning, middle, and end of your project *The Markdown Guide* Pragmatic Bookshelf Database-driven sites bring complexity you might not need, but building a site by hand is too much work. Hugo is a static site generator and web development framework that creates content sites quickly without the overhead or dependencies of a dynamic web framework. With Hugo, you use HTML templates and Markdown to build static sites you can host anywhere, letting you use the skills you already have. Develop your own theme using standard HTML and CSS, using Hugo's powerful templating features to organize your site's

components. Create your site's content with HTML or Markdown and use Hugo's content templating features to build new content quickly. Build a fully-featured blog with archive pages, tagging, and pagination, and integrate an external commenting system to provide interactivity. Use data from front-matter, site-wide configuration, and external JSON sources to add content, and generate JSON others can use. Integrate JavaScript with your site to create a search engine. Get Hugo working with Webpack so you can leverage the wider web development ecosystem, and explore ways to publish your site to various services. Finally, learn how you can move your existing content site to Hugo. Dive in and build your next site with Hugo!

[Markup & Profit](#) No Starch Press

R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations,

websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several

packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

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This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web

development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using

the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

Guide to Markdown Mode for Emacs Routledge

From the creator of the popular blog The Monsters Know What They're Doing comes a compilation of villainous battle plans for Dungeon Masters. In the course of a Dungeons & Dragons game, a Dungeon Master has to make one decision after another in response to player behavior—and the better the players, the more unpredictable their behavior! It's easy for even an experienced DM to get

bogged down in on-the-spot decision-making or to let combat devolve into a boring slugfest, with enemies running directly at the player characters and biting, bashing, and slashing away. In The Monsters Know What They're Doing, Keith Ammann lightens the DM's burden by helping you understand your monsters' abilities and develop battle plans before your fifth edition D&D game session begins. Just as soldiers don't whip out their field manuals for the first time when they're already under fire, a DM shouldn't wait until the PCs have just encountered a dozen bullywugs to figure out how they advance, fight, and retreat. Easy to read and apply, The Monsters Know What They're Doing is essential reading for every DM.

R Markdown Penguin

A Thorough Guide to Elementary Matrix Algebra and Implementation in R Basics of Matrix Algebra for Statistics with R provides a guide to elementary matrix algebra sufficient for undertaking specialized courses, such as multivariate data analysis and linear models. It also covers advanced topics, such as generalized inverses of singular and

rectangular matrices and manipulation of partitioned matrices, for those who want to delve deeper into the subject. The book introduces the definition of a matrix and the basic rules of addition, subtraction, multiplication, and inversion. Later topics include determinants, calculation of eigenvectors and eigenvalues, and differentiation of linear and quadratic forms with respect to vectors. The text explores how these concepts arise in statistical techniques, including principal component analysis, canonical correlation analysis, and linear modeling. In addition to the algebraic manipulation of matrices, the book presents numerical examples that illustrate how to perform calculations by hand and using R. Many theoretical and numerical exercises of varying levels of difficulty aid readers in assessing their knowledge of the material. Outline solutions at the back of the book enable readers to verify the techniques required and obtain numerical answers. Avoiding vector spaces and other advanced mathematics, this book shows how to manipulate matrices and perform numerical calculations in R. It prepares readers for higher-level and specialized

studies in statistics.

[Redeeming Productivity](#) No Starch Press Provides information to quickly improve and customize a Mac computer, enable undocumented Mac OS X features, automate tedious tasks, handle media, and troubleshoot disk issues.

[Markdown: A Complete Guide](#) CRC Press The Markdown markup language is one of the most popular plain-text formatting languages available. Now you can learn the Markdown syntax with the book that's been called "the best Markdown reference." Designed for both novices and experts, The Markdown Guide is a comprehensive reference manual that has everything you need to get started and master the Markdown syntax.

[JavaScript for Impatient Programmers](#) Pearson Education

Markdown is a plain text formatting method. Formatting is done in structured style using syntax, which is basically punctuations and characters. You don't need to use opening and closing tags as you do in Markup language. In Markdown, you don't need to create any styles for formatting; you can apply a style by typing a syntax. However, many of the Markdown

editors have predefined styles that you need to simply apply to format content. In case, you don't find any syntax for formatting, you can simply use the tags that you may use in normal HTML. Markdown is a lightweight plain text file and is best preferred for the web-based content, standalone web pages, and single HTML pages such as readme, user license, privacy policy, terms & conditions, FAQs, email text, discussion forums, blogs, wikis, and others. It also gives good result for the Help files for handheld devices and HTML5. In Markdown, the document is formatted in a single source and can be easily converted to multiple formats including HTML, Word, PDF, other outputs based on the tools you use. Most of the blogging platforms have plugins for Markdown including Blogger, GitHub, Medium, Reddit, Tumblr, WordPress and it can be synchronized with Dropbox, Evernote, Google Drive, and Tumblr. Several programming languages (e.g., JavaScript, Perl, Python) support Markdown. What the book 'Learn Markdown: The Complete Guide on Markdown Formatting' Offers? This book is intended for technical authors, software

programmers, UI experts, and all those who write for the web. In this book, the author has included the syntaxes available in most of the tools to give you a complete hands-on guide on Markdown editing with a focus not to miss out even a single syntax. You can simply use these syntaxes to reflect the desired result in the tools you use. This book is a must-have reference book for Markdown syntaxes. After reading this book, you can work in any Markdown editor. The book is divided in three sections. The first section introduces about Markdown and its history, the second one explains all the syntaxes, and the third one has the keyboard shortcuts for syntaxes.

Hands-On Bug Hunting for Penetration Testers "O'Reilly Media, Inc."

Detailed walkthroughs of how to discover, test, and document common web application vulnerabilities. Key Features Learn how to test for common bugs Discover tools and methods for hacking ethically Practice working through pentesting engagements step-by-step Book Description Bug bounties have quickly become a critical part of the security economy. This book shows you

how technical professionals with an interest in security can begin productively--and profitably--participating in bug bounty programs. You will learn about SQLi, NoSQLi, XSS, XXE, and other forms of code injection. You'll see how to create CSRF PoC HTML snippets, how to discover hidden content (and what to do with it once it's found), and how to create the tools for automated pentesting workflows. Then, you'll format all of this information within the context of a bug report that will have the greatest chance of earning you cash. With detailed walkthroughs that cover discovering, testing, and reporting vulnerabilities, this book is ideal for aspiring security professionals. You should come away from this work with the skills you need to not only find the bugs you're looking for, but also the best bug bounty programs to participate in, and how to grow your skills moving forward in freelance security research. What you will learn Choose what bug bounty programs to engage in Understand how to minimize your legal liability and hunt for bugs ethically See how to take notes that will make compiling your submission report easier Know how to take an XSS

vulnerability from discovery to verification, and report submission Automate CSRF PoC generation with Python Leverage Burp Suite for CSRF detection Use WP Scan and other tools to find vulnerabilities in WordPress, Django, and Ruby on Rails applications Write your report in a way that will earn you the maximum amount of money Who this book is for This book is written for developers, hobbyists, pentesters, and anyone with an interest (and a little experience) in web application security.

R Packages Lulu.com

No matter how much experience you have with JavaScript, odds are you don't fully understand the language. This concise yet in-depth guide takes you inside scope and closures, two core concepts you need to know to become a more efficient and effective JavaScript programmer. You'll learn how and why they work, and how an understanding of closures can be a powerful part of your development skillset. Like other books in the "You Don't Know JS" series, Scope and Closures dives into trickier parts of the language that many JavaScript programmers simply avoid. Armed with this knowledge, you can

achieve true JavaScript mastery. Learn about scope, a set of rules to help JavaScript engines locate variables in your code Go deeper into nested scope, a

series of containers for variables and functions Explore function- and block-based scope, “hoisting”, and the patterns and benefits of scope-based hiding

Discover how to use closures for synchronous and asynchronous tasks, including the creation of JavaScript libraries