
Package Apt R

Linux Cookbook

AUUGN

Bioinformatics

Linux Dictionary

Engineering Production-Grade Shiny Apps

Machine Learning Models and Algorithms for Big Data Classification

Machine Learning with Amazon SageMaker Cookbook

CompTIA Linux+ Complete Study Guide Authorized Courseware

Linux Administration Cookbook

Learn Linux Quickly

Mastering Apache Cassandra 3.x

CompTIA Linux+ Powered by Linux Professional Institute Study Guide

Predictive Soil Mapping with R

Linux Troubleshooting Bible

bookdown

Bioinformatics in Aquaculture

Configuration Guide for Asterisk PBX

Learning Shiny

AUUGN

Practical Machine Learning with H2O

The Official Ubuntu Server Book

Earth Observation Data Cubes

Hacking with Kali

Europe and its Regions

Apache Spark for Data Science Cookbook

Practical Machine Learning with H2O

Efficient R Programming

LPIC-1: Linux Professional Institute Certification Study Guide

Mastering Scala Machine Learning

AUUGN

Ubuntu 20.04 LTS Server

AUUGN

R Markdown

Practical Cloud Native Security with Falco

Advanced R

Geocomputation with R

Javascript for R

Engineering

SUTTON LYDIA

[Linux Cookbook](#) CRC Press

An Essential Reference for Intermediate and Advanced R Programmers Advanced R presents useful tools and techniques for attacking many types of R programming problems, helping you avoid mistakes and dead ends. With more than ten years of experience programming in R, the author illustrates the elegance, beauty, and flexibility at the heart of R. The book develops the necessary skills to produce quality code that can be used in a variety of circumstances. You will learn: The fundamentals of R, including standard data types and functions Functional programming as a useful framework for solving wide classes of problems The positives and negatives of metaprogramming How to write fast, memory-efficient code This book not only helps current R users become R programmers but also shows existing programmers what's special about R. Intermediate R programmers can dive deeper into R and learn new strategies for solving diverse problems while programmers from other languages can learn the details of R and understand why R works the way it does.

AUUGN Ahmed Alkabary

Make the most of R's dynamic capabilities and implement web applications with Shiny About This Book Present interactive data visualizations in R within the Shiny framework Construct web dashboards in a simple, intuitive, but fully flexible environment Apply your skills to create a real-world web application with this step-by-step guide Who This Book Is For If you are a data scientist who needs a platform to show your results to a broader audience in an attractive and visual way, or a web developer with no prior experience in R or Shiny, this is the book for you. What You Will Learn Comprehend many useful functions, such as lapply and apply, to process data in R Write and structure different files to create a basic dashboard Develop graphics in R using popular graphical libraries such as ggplot2 and GoogleVis Mount a dashboard on a Linux Server Integrate Shiny with non-R-native visualization, such as D3.js Design and build a web application In

Detail R is nowadays one of the most used tools in data science. However, along with Shiny, it is also gaining territory in the web application world, due to its simplicity and flexibility. Shiny is a framework that enables the creation of interactive visualizations written entirely in R and can be displayed in almost any ordinary web browser. It is a package from RStudio, which is an IDE for R. From the fundamentals of R to the administration of multi-concurrent, fully customized web applications, this book explains how to achieve your desired web application in an easy and gradual way. You will start by learning about the fundamentals of R, and will move on to looking at simple and practical examples. These examples will enable you to grasp many useful tools that will assist you in solving the usual problems that can be faced when developing data visualizations. You will then walk through the integration of Shiny with R in general and view the different visualization possibilities out there. Finally, you will put your skills to the test and create your first web application! Style and approach This is a comprehensive, step-by-step guide that will allow you to learn and make full use of R and Shiny's capabilities in a gradual way, together with clear, applied examples.

[Bioinformatics](#) Pearson Education

Bioinformatics: A Practical Guide to NCBI Databases and Sequence Alignments provides the basics of bioinformatics and in-depth coverage of NCBI databases, sequence alignment, and NCBI Sequence Local Alignment Search Tool (BLAST). As bioinformatics has become essential for life sciences, the book has been written specifically to address the need of a large audience including undergraduates, graduates, researchers, healthcare professionals, and bioinformatics professors who need to use the NCBI databases, retrieve data from them, and use BLAST to find evolutionarily related sequences, sequence annotation, construction of phylogenetic tree, and the conservative domain of a protein, to name just a few. Technical details of alignment algorithms are explained with a minimum use of mathematical formulas and with graphical illustrations. Key Features Provides readers with the most-used bioinformatics knowledge of bioinformatics databases and alignments including both theory and application via illustrations and worked examples. Discusses the use of Windows Command Prompt, Linux

shell, R, and Python for both Entrez databases and BLAST. The companion website contains tutorials, R and Python codes, instructor materials including slides, exercises, and problems for students. This is the ideal textbook for bioinformatics courses taken by students of life sciences and for researchers wishing to develop their knowledge of bioinformatics to facilitate their own research.

[Linux Dictionary](#) John Wiley & Sons

Hacking with Kali introduces you the most current distribution of the de facto standard tool for Linux pen testing. Starting with use of the Kali live CD and progressing through installation on hard drives, thumb drives and SD cards, author James Broad walks you through creating a custom version of the Kali live distribution. You'll learn how to configure networking components, storage devices and system services such as DHCP and web services. Once you're familiar with the basic components of the software, you'll learn how to use Kali through the phases of the penetration testing lifecycle; one major tool from each phase is explained. The book culminates with a chapter on reporting that will provide examples of documents used prior to, during and after the pen test. This guide will benefit information security professionals of all levels, hackers, systems administrators, network administrators, and beginning and intermediate professional pen testers, as well as students majoring in information security. Provides detailed explanations of the complete penetration testing lifecycle Complete linkage of the Kali information, resources and distribution downloads Hands-on exercises reinforce topics

[Engineering Production-Grade Shiny Apps](#) "O'Reilly Media, Inc."

This unique and valuable collection of tips, tools, and scripts provides clear, concise, hands-on solutions that can be applied to the challenges facing anyone running a network of Linux servers from small networks to large data centers in the practical and popular problem-solution-discussion O'Reilly cookbook format. The Linux Cookbook covers everything you'd expect: backups, new users, and the like. But it also covers the non-obvious information that is often ignored in other books the time-sinks and headaches that are a real part of an administrator's job, such as: dealing with odd kinds of devices that Linux historically hasn't supported well,

building multi-boot systems, and handling things like video and audio. The knowledge needed to install, deploy, and maintain Linux is not easily found, and no Linux distribution gets it just right. Scattered information can be found in a pile of man pages, texinfo files, and source code comments, but the best source of information is the experts themselves who built up a working knowledge of managing Linux systems. This cookbook's proven techniques distill years of hard-won experience into practical cut-and-paste solutions to everyday Linux dilemmas. Use just one recipe from this varied collection of real-world solutions, and the hours of tedious trial-and-error saved will more than pay for the cost of the book. But those who prefer to learn hands-on will find that this cookbook not only solves immediate problems quickly, it also cuts right to the chase pointing out potential pitfalls and illustrating tested practices that can be applied to a myriad of other situations. Whether you're responsible for a small Linux system, a huge corporate system, or a mixed Linux/Windows/MacOS network, you'll find valuable, to-the-point, practical recipes for dealing with Linux systems everyday. The Linux Cookbook is more than a time-saver; it's a sanity saver.

[Machine Learning Models and Algorithms for Big Data Classification](#) Packt Publishing Ltd

As more and more organizations migrate their applications to the cloud, cloud native computing has become the dominant way to approach software development and execution. Protecting modern, cloud native applications from threats requires the ability to defend them at runtime, when they're most vulnerable to attacks. This practical guide introduces you to Falco, the open source standard for continuous risk and threat detection across Kubernetes, containers, and the cloud. Falco creator Loris Degioanni and core maintainer Leonardo Grasso bring you up to speed on threat detection and show you how to get Falco up and running, plus advanced topics such as deploying Falco in production and writing your own security rules. You'll learn how to: Leverage runtime security in cloud native environments Detect configuration changes and unexpected behavior in the cloud Protect containers, Kubernetes, and cloud applications using Falco Run, deploy, and customize Falco Deploy, configure, and maintain Falco in a production environment Improve your compliance

Machine Learning with Amazon SageMaker Cookbook Packt

Publishing Ltd

CompTIA Authorized Linux+ prep CompTIA Linux+ Study Guide is your comprehensive study guide for the Linux+ Powered by LPI certification exams. With complete coverage of 100% of the objectives on both exam LX0-103 and exam LX0-104, this study guide provides clear, concise information on all aspects of Linux administration, with a focus on the latest version of the exam. You'll gain the insight of examples drawn from real-world scenarios, with detailed guidance and authoritative coverage of key topics, including GNU and Unix commands, system operation, system administration, system services, security, and more, from a practical perspective that easily translates into on-the-job know-how. You'll also get access to helpful study tools, including bonus practice exams, electronic flashcards, and a searchable glossary of key terms that are important to know for exam day. Linux is viewed by many companies and organizations as an excellent, low-cost, secure alternative to expensive operating systems such as Microsoft Windows. The CompTIA Linux+ Powered by LPI exams test a candidate's understanding and familiarity with the Linux Kernel. Review the basic system architecture, installation, and management Understand commands, devices, and file systems Utilize shells, scripting, and data management techniques Navigate user interfaces, desktops, and essential system services As the Linux server market share continues to grow, so too does the demand for qualified and certified Linux administrators. Certification holders must recertify every five years, but LPI recommends recertifying every two years to stay fully up to date with new technologies and best practices.

CompTIA Linux+ Study Guide gives you the advantage of exam day confidence.

CompTIA Linux+ Complete Study Guide Authorized Courseware CRC Press

Build, manage, and configure high-performing, reliable NoSQL database for your applications with Cassandra Key Features Write programs more efficiently using Cassandra's features with the help of examples Configure Cassandra and fine-tune its parameters depending on your needs Integrate Cassandra database with Apache Spark and build strong data analytics pipeline Book Description With ever-increasing rates of data creation, the demand for storing data fast and reliably becomes a need. Apache Cassandra is the perfect choice for building fault-

tolerant and scalable databases. Mastering Apache Cassandra 3.x teaches you how to build and architect your clusters, configure and work with your nodes, and program in a high-throughput environment, helping you understand the power of Cassandra as per the new features. Once you've covered a brief recap of the basics, you'll move on to deploying and monitoring a production setup and optimizing and integrating it with other software. You'll work with the advanced features of CQL and the new storage engine in order to understand how they function on the server-side. You'll explore the integration and interaction of Cassandra components, followed by discovering features such as token allocation algorithm, CQL3, vnodes, lightweight transactions, and data modelling in detail. Last but not least you will get to grips with Apache Spark. By the end of this book, you'll be able to analyse big data, and build and manage high-performance databases for your application. What you will learn Write programs more efficiently using Cassandra's features more efficiently Exploit the given infrastructure, improve performance, and tweak the Java Virtual Machine (JVM) Use CQL3 in your application in order to simplify working with Cassandra Configure Cassandra and fine-tune its parameters depending on your needs Set up a cluster and learn how to scale it Monitor a Cassandra cluster in different ways Use Apache Spark and other big data processing tools Who this book is for Mastering Apache Cassandra 3.x is for you if you are a big data administrator, database administrator, architect, or developer who wants to build a high-performing, scalable, and fault-tolerant database. Prior knowledge of core concepts of databases is required.

Linux Administration Cookbook Packt Publishing Ltd

Your complete guide to preparing for the LPIC-1 Linux Professional Institute Certification Exams 101-400 and 102-400 The LPIC-1 Linux Professional Institute Certification Study Guide, 4th Edition is your one-stop resource for complete coverage of Exams 101-400 and 102-400. This Sybex Study Guide covers 100% of all exam 101-400 and 102-400 objectives. You'll prepare for the exams smarter and faster with Sybex thanks to superior content including, assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Reinforce what you have learned with the exclusive Sybex online learning environment, assessable across multiple devices. Get prepared

for the LPIC-1 Exams 101-400 and 102-400 with Sybex. Coverage of 100% of all exam objectives in this Study Guide means you'll be ready for: Managing Software Configuring Hardware Managing Files Booting Linux and Editing Files Configuring the X Window System Configuring Basic Networking Writing Scripts, Configuring Email, and Using Databases Covers 100% of exam objectives, including system architecture, GNU and UNIX commands, shells, scripting, and data management, administrative tasks, system services, networking, and much more... Includes interactive online learning environment with: Custom practice exams 150 electronic flashcards Searchable key term glossary Interactive learning environment Take your exam prep to the next level with Sybex's superior interactive online tools. To access the learning environment, simply visit: <http://sybextestbanks.wiley.com>, type in your unique PIN and instantly gain access to: Interactive online learning environment and test bank covering both LPIC-1 exams, including 200 chapter review questions and two 50-question bonus exams. 150 Electronic Flashcards to reinforce learning and provide last minute prep before the exam. Comprehensive searchable glossary in PDF format gives you instant access to the key terms so you are fully prepared.

Learn Linux Quickly John Wiley and Sons

Over insightful 90 recipes to get lightning-fast analytics with Apache Spark About This Book Use Apache Spark for data processing with these hands-on recipes Implement end-to-end, large-scale data analysis better than ever before Work with powerful libraries such as MLLib, SciPy, NumPy, and Pandas to gain insights from your data Who This Book Is For This book is for novice and intermediate level data science professionals and data analysts who want to solve data science problems with a distributed computing framework. Basic experience with data science implementation tasks is expected. Data science professionals looking to skill up and gain an edge in the field will find this book helpful. What You Will Learn Explore the topics of data mining, text mining, Natural Language Processing, information retrieval, and machine learning. Solve real-world analytical problems with large data sets. Address data science challenges with analytical tools on a distributed system like Spark (apt for iterative algorithms), which offers in-memory processing and more flexibility for data analysis at scale. Get hands-on experience with algorithms like Classification, regression, and

recommendation on real datasets using Spark MLLib package. Learn about numerical and scientific computing using NumPy and SciPy on Spark. Use Predictive Model Markup Language (PMML) in Spark for statistical data mining models. In Detail Spark has emerged as the most promising big data analytics engine for data science professionals. The true power and value of Apache Spark lies in its ability to execute data science tasks with speed and accuracy. Spark's selling point is that it combines ETL, batch analytics, real-time stream analysis, machine learning, graph processing, and visualizations. It lets you tackle the complexities that come with raw unstructured data sets with ease. This guide will get you comfortable and confident performing data science tasks with Spark. You will learn about implementations including distributed deep learning, numerical computing, and scalable machine learning. You will be shown effective solutions to problematic concepts in data science using Spark's data science libraries such as MLLib, Pandas, NumPy, SciPy, and more. These simple and efficient recipes will show you how to implement algorithms and optimize your work. Style and approach This book contains a comprehensive range of recipes designed to help you learn the fundamentals and tackle the difficulties of data science. This book outlines practical steps to produce powerful insights into Big Data through a recipe-based approach.

Mastering Apache Cassandra 3.x Lulu.com

There are many excellent R resources for visualization, data science, and package development. Hundreds of scattered vignettes, web pages, and forums explain how to use R in particular domains. But little has been written on how to simply make R work effectively—until now. This hands-on book teaches novices and experienced R users how to write efficient R code. Drawing on years of experience teaching R courses, authors Colin Gillespie and Robin Lovelace provide practical advice on a range of topics—from optimizing the set-up of RStudio to leveraging C++—that make this book a useful addition to any R user's bookshelf. Academics, business users, and programmers from a wide range of backgrounds stand to benefit from the guidance in Efficient R Programming. Get advice for setting up an R programming environment Explore general programming concepts and R coding techniques Understand the ingredients of an efficient R workflow Learn how to efficiently read and write data in R Dive into data carpentry—the vital skill for cleaning raw

data Optimize your code with profiling, standard tricks, and other methods Determine your hardware capabilities for handling R computation Maximize the benefits of collaborative R programming Accelerate your transition from R hacker to R programmer

CompTIA Linux+ Powered by Linux Professional Institute Study Guide "O'Reilly Media, Inc."

Satellite Earth observation (EO) data have already exceeded the petabyte scale and are increasingly freely and openly available from different data providers. This poses a number of issues in terms of volume (e.g., data volumes have increased 10x in the last 5 years); velocity (e.g., Sentinel-2 is capturing a new image of any given place every 5 days); and variety (e.g., different types of sensors, spatial/spectral resolutions). Traditional approaches to the acquisition, management, distribution, and analysis of EO data have limitations (e.g., data size, heterogeneity, and complexity) that impede their true information potential to be realized. Addressing these big data challenges requires a change of paradigm and a move away from local processing and data distribution methods to lower the barriers caused by data size and related complications in data management. To tackle these issues, EO data cubes (EODC) are a new paradigm revolutionizing the way users can store, organize, manage, and analyze EO data. This Special Issue is consequently aiming to cover the most recent advances in EODC developments and implementations to broaden the use of EO data to larger communities of users, support decision-makers with timely and actionable information converted into meaningful geophysical variables, and ultimately unlock the information power of EO data.

Predictive Soil Mapping with R "O'Reilly Media, Inc."

A step-by-step solution-based guide to preparing building, training, and deploying high-quality machine learning models with Amazon SageMaker Key Features Perform ML experiments with built-in and custom algorithms in SageMaker Explore proven solutions when working with TensorFlow, PyTorch, Hugging Face Transformers, and scikit-learn Use the different features and capabilities of SageMaker to automate relevant ML processes Book Description Amazon SageMaker is a fully managed machine learning (ML) service that helps data scientists and ML practitioners manage ML experiments. In this book, you'll use the different capabilities and features of Amazon SageMaker to solve

relevant data science and ML problems. This step-by-step guide features 80 proven recipes designed to give you the hands-on machine learning experience needed to contribute to real-world experiments and projects. You'll cover the algorithms and techniques that are commonly used when training and deploying NLP, time series forecasting, and computer vision models to solve ML problems. You'll explore various solutions for working with deep learning libraries and frameworks such as TensorFlow, PyTorch, and Hugging Face Transformers in Amazon SageMaker. You'll also learn how to use SageMaker Clarify, SageMaker Model Monitor, SageMaker Debugger, and SageMaker Experiments to debug, manage, and monitor multiple ML experiments and deployments. Moreover, you'll have a better understanding of how SageMaker Feature Store, Autopilot, and Pipelines can meet the specific needs of data science teams. By the end of this book, you'll be able to combine the different solutions you've learned as building blocks to solve real-world ML problems. What you will learn Train and deploy NLP, time series forecasting, and computer vision models to solve different business problems Push the limits of customization in SageMaker using custom container images Use AutoML capabilities with SageMaker Autopilot to create high-quality models Work with effective data analysis and preparation techniques Explore solutions for debugging and managing ML experiments and deployments Deal with bias detection and ML explainability requirements using SageMaker Clarify Automate intermediate and complex deployments and workflows using a variety of solutions Who this book is for This book is for developers, data scientists, and machine learning practitioners interested in using Amazon SageMaker to build, analyze, and deploy machine learning models with 80 step-by-step recipes. All you need is an AWS account to get things running. Prior knowledge of AWS, machine learning, and the Python programming language will help you to grasp the concepts covered in this book more effectively.

[Linux Troubleshooting Bible](#) Packt Publishing Ltd

If you have always wanted to learn Linux but are still afraid to do so, this book is for you! A lot of people think of Linux as a sophisticated operating system that only hackers and geeks know how to use, and thus they abort their dream of learning Linux. Well, let me surprise you! Linux is simple and easy to learn, and this book is the ultimate proof! You may have stumbled across a

variety of sources that all explain Linux in a complicated and dry manner. This book does exactly the opposite; it teaches you Linux in a delightful and friendly way so that you will never get bored, and you will always feel motivated to learn more. Learn Linux Quickly doesn't assume any prior Linux knowledge, which makes it a perfect fit for beginners. Nevertheless, intermediate and advanced Linux users will still find this book very useful as it goes through a wide range of topics. Learn Linux Quickly will teach you the following topics: · Installing Linux · Over 116 Linux Commands · User and Group Management · Linux Networking Fundamentals · Bash Scripting · Automate Boring Tasks with Cron Jobs · Create your Own Linux Commands · Linux Disk Partitioning and LVM · Finding Files on Linux · Understanding File Permissions · Linux Processes And much more! There is no time to waste here! Learn Linux Quickly and kick start your Linux career today!

bookdown CRC Press

Advance your skills in efficient data analysis and data processing using the powerful tools of Scala, Spark, and Hadoop About This Book This is a primer on functional-programming-style techniques to help you efficiently process and analyze all of your data Get acquainted with the best and newest tools available such as Scala, Spark, Parquet and MLLib for machine learning Learn the best practices to incorporate new Big Data machine learning in your data-driven enterprise to gain future scalability and maintainability Who This Book Is For Mastering Scala Machine Learning is intended for enthusiasts who want to plunge into the new pool of emerging techniques for machine learning. Some familiarity with standard statistical techniques is required. What You Will Learn Sharpen your functional programming skills in Scala using REPL Apply standard and advanced machine learning techniques using Scala Get acquainted with Big Data technologies and grasp why we need a functional approach to Big Data Discover new data structures, algorithms, approaches, and habits that will allow you to work effectively with large amounts of data Understand the principles of supervised and unsupervised learning in machine learning Work with unstructured data and serialize it using Kryo, Protobuf, Avro, and AvroParquet Construct reliable and robust data pipelines and manage data in a data-driven enterprise Implement scalable model monitoring and alerts with Scala In Detail Since the advent of object-oriented programming, new technologies related to Big Data are

constantly popping up on the market. One such technology is Scala, which is considered to be a successor to Java in the area of Big Data by many, like Java was to C/C++ in the area of distributed programming. This book aims to take your knowledge to next level and help you impart that knowledge to build advanced applications such as social media mining, intelligent news portals, and more. After a quick refresher on functional programming concepts using REPL, you will see some practical examples of setting up the development environment and tinkering with data. We will then explore working with Spark and MLLib using k-means and decision trees. Most of the data that we produce today is unstructured and raw, and you will learn to tackle this type of data with advanced topics such as regression, classification, integration, and working with graph algorithms. Finally, you will discover at how to use Scala to perform complex concept analysis, to monitor model performance, and to build a model repository. By the end of this book, you will have gained expertise in performing Scala machine learning and will be able to build complex machine learning projects using Scala. Style and approach This hands-on guide dives straight into implementing Scala for machine learning without delving much into mathematical proofs or validations. There are ample code examples and tricks that will help you sail through using the standard techniques and libraries. This book provides practical examples from the field on how to correctly tackle data analysis problems, particularly for modern Big Data datasets.

Bioinformatics in Aquaculture Booksurge

Constraint logic programming lies at the intersection of logic programming, optimisation and artificial intelligence. It has proved a successful tool in many areas including production planning, transportation scheduling, numerical analysis and bioinformatics. Eclipse is one of the leading software systems that realise its underlying methodology. Eclipse is exploited commercially by Cisco, and is freely available and used for teaching and research in over 500 universities. This book has a two-fold purpose. It's an introduction to constraint programming, appropriate for one-semester courses for upper undergraduate or graduate students in computer science or for programmers wishing to master the practical aspects of constraint programming. By the end of the book, the reader will be able to understand and write constraint programs that solve complex

problems. Second, it provides a systematic introduction to the Eclipse system through carefully-chosen examples that guide the reader through the language and illustrate its power, versatility and utility.

Configuration Guide for Asterisk PBX Packt Publishing Ltd
Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up and running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, *The Official Ubuntu Server Book, Third Edition*, covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior systems administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization and cloud computing. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost Web servers and e-mail Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won't boot Deploy your own Ubuntu servers in the cloud

[Learning Shiny](#) CRC Press

An R Companion to Applied Regression is a broad introduction to the R statistical computing environment in the context of applied regression analysis. John Fox and Sanford Weisberg provide a step-by-step guide to using the free statistical software R, an emphasis on integrating statistical computing in R with the practice of data analysis, coverage of generalized linear models,

and substantial web-based support materials. The Third Edition has been reorganized and includes a new chapter on mixed-effects models, new and updated data sets, and a de-emphasis on statistical programming, while retaining a general introduction to basic R programming. The authors have substantially updated both the car and effects packages for R for this edition, introducing additional capabilities and making the software more consistent and easier to use. They also advocate an everyday data-analysis workflow that encourages reproducible research. To this end, they provide coverage of RStudio, an interactive development environment for R that allows readers to organize and document their work in a simple and intuitive fashion, and then easily share their results with others. Also included is coverage of R Markdown, showing how to create documents that mix R commands with explanatory text.

[AUUGN](#) "O'Reilly Media, Inc."

Machine learning has finally come of age. With H2O software, you can perform machine learning and data analysis using a simple open source framework that's easy to use, has a wide range of OS and language support, and scales for big data. This hands-on guide teaches you how to use H2O with only minimal math and theory behind the learning algorithms. If you're familiar with R or Python, know a bit of statistics, and have some experience manipulating data, author Darren Cook will take you through H2O basics and help you conduct machine-learning experiments on different sample data sets. You'll explore several modern machine-learning techniques such as deep learning, random forests, unsupervised learning, and ensemble learning. Learn how to import, manipulate, and export data with H2O Explore key machine-learning concepts, such as cross-validation and validation data sets Work with three diverse data sets, including a regression, a multinomial classification, and a binomial classification Use H2O to analyze each sample data set with four supervised machine-learning algorithms Understand how cluster analysis and other unsupervised machine-learning algorithms work

[Practical Machine Learning with H2O](#) "O'Reilly Media, Inc."

From the Reviews "[This book] contains an excellent blend of both Shiny-specific topics ... and practical advice from software development that fits in nicely with Shiny apps. You will find many nuggets of wisdom sprinkled throughout these chapters...." Eric Nantz, Host of the R-Podcast and the Shiny Developer Series (from the Foreword) "[This] book is a gradual and pleasant invitation to the production-ready shiny apps world. It ...exposes a comprehensive and robust workflow powered by the {golem} package. [It] fills the not yet covered gap between shiny app development and deployment in such a thrilling way that it may be read in one sitting.... In the industry world, where processes robustness is a key toward productivity, this book will indubitably have a tremendous impact." David Granjon, Sr. Expert Data Science, Novartis Presented in full color, *Engineering Production-Grade Shiny Apps* helps people build production-grade shiny applications, by providing advice, tools, and a methodology to work on web applications with R. This book starts with an overview of the challenges which arise from any big web application project: organizing work, thinking about the user interface, the challenges of teamwork and the production environment. Then, it moves to a step-by-step methodology that goes from the idea to the end application. Each part of this process will cover in detail a series of tools and methods to use while building production-ready shiny applications. Finally, the book will end with a series of approaches and advice about optimizations for production. Features Focused on practical matters: This book does not cover Shiny concepts, but practical tools and methodologies to use for production. Based on experience: This book is a formalization of several years of experience building Shiny applications. Original content: This book presents new methodologies and tooling, not just a review of what already exists. *Engineering Production-Grade Shiny Apps* covers medium to advanced content about Shiny, so it will help people that are already familiar with building apps with Shiny, and who want to go one step further.

Related with Package Apt R:

- [Preschool Christmas Worksheets Pdf](#) : [click here](#)