Disqus Introducao A Programacao 500 Algoritmos Resolvidos

A Escrava IsauraFeature Engineering and SelectionR Programming for Data ScienceI, RobotSin ShotDesigning with Progressive EnhancementSpring DataMicrosoundFoundation HTML5 Animation with JavaScriptGeocomputation with RThe Master SwitchText Mining with RR CookbookThe Art of Data ScienceThe New Precision JournalismAround the World in Eighty DaysWe Are HereReiki - Guia Para Uma Vida FelizSams Teach Yourself Java in 24 HoursSurrogatesStupid MachineSpring Data Standard GuideThe Line of DustCoffeeScriptOp Amps for EveryoneHands-On Machine Learning with RStatistical RethinkingCircuitsR Graphics CookbookA Princess of MarsStatistical Inference via Data Science: A ModernDive into R and the TidyversebookdownLearning PythonIntroduction to Data ScienceHands-On Programming with RInterpretable Machine LearningTransforming NOKIAEducation 3.0CompTIA Network+ N10-006 Cert GuideAdvanced R

A Escrava Isaura

Over the last five years, CoffeeScript has taken the web development world by storm. With the humble motto "It's just JavaScript," CoffeeScript provides all the

power of the JavaScript language in a friendly and elegant package. This extensively revised and updated new edition includes an all-new project to demonstrate CoffeeScript in action, both in the browser and on a Node.js server. There's no faster way to learn to write a modern web application. This new edition has been extensively revised and updated to reflect the current state and features of CoffeeScript. Every chapter has been revised and refactored, and new sections and a new chapter on testing have been added. If you already know JavaScript, this book will make your transition to CoffeeScript easy. If you're new to JavaScript, it's a great place to start. New in this edition: Automating setup with the Grunt task runner Using CoffeeScript classes with the Backbone framework Using CoffeeScript's simple callback syntax to interact with the Express framework A new chapter on client-side and server-side testing with Intern * A new project that gives you hands-on experience with browser-side and server-side CoffeeScript CoffeeScript is every bit as portable and effective as JavaScript. It aids development by adding a bevy of features, such as classes, splats, list comprehensions, and destructuring. These features make it easier to write clear, readable code, and by learning how these features work, you'll deepen your understand of JavaScript as well. This book is your complete guide to writing better JavaScript code, faster.

Feature Engineering and Selection

R Programming for Data Science

The author shows students and journalists how to use new technology to analyze data and provide more precise information in easier-to- understand forms. The study covers the scientific history of journalism; the use of statistics, data and field experiments and the politics of precise journalism.

I, Robot

Geocomputation with R is for people who want to analyze, visualize and model geographic data with open source software. It is based on R, a statistical programming language that has powerful data processing, visualization, and geospatial capabilities. The book equips you with the knowledge and skills to tackle a wide range of issues manifested in geographic data, including those with scientific, societal, and environmental implications. This book will interest people from many backgrounds, especially Geographic Information Systems (GIS) users interested in applying their domain-specific knowledge in a powerful open source language for data science, and R users interested in extending their skills to handle spatial data. The book is divided into three parts: (I) Foundations, aimed at getting you up-to-speed with geographic data in R, (II) extensions, which covers advanced techniques, and (III) applications to real-world problems. The chapters cover

progressively more advanced topics, with early chapters providing strong foundations on which the later chapters build. Part I describes the nature of spatial datasets in R and methods for manipulating them. It also covers geographic data import/export and transforming coordinate reference systems. Part II represents methods that build on these foundations. It covers advanced map making (including web mapping), "bridges" to GIS, sharing reproducible code, and how to do cross-validation in the presence of spatial autocorrelation. Part III applies the knowledge gained to tackle real-world problems, including representing and modeling transport systems, finding optimal locations for stores or services, and ecological modeling. Exercises at the end of each chapter give you the skills needed to tackle a range of geospatial problems. Solutions for each chapter and supplementary materials providing extended examples are available at https://geocompr.github.io/geocompkg/articles/. Dr. Robin Lovelace is a University Academic Fellow at the University of Leeds, where he has taught R for geographic research over many years, with a focus on transport systems. Dr. Jakub Nowosad is an Assistant Professor in the Department of Geoinformation at the Adam Mickiewicz University in Poznan, where his focus is on the analysis of large datasets to understand environmental processes. Dr. Jannes Muenchow is a Postdoctoral Researcher in the GIScience Department at the University of Jena, where he develops and teaches a range of geographic methods, with a focus on ecological modeling, statistical geocomputing, and predictive mapping. All three are active developers and work on a number of R packages, including stplanr,

sabre, and RQGIS.

Sin Shot

Computer simulation experiments are essential to modern scientific discovery, whether that be in physics, chemistry, biology, epidemiology, ecology, engineering, etc. Surrogates are meta-models of computer simulations, used to solve mathematical models that are too intricate to be worked by hand. Gaussian process (GP) regression is a supremely flexible tool for the analysis of computer simulation experiments. This book presents an applied introduction to GP regression for modelling and optimization of computer simulation experiments. Features: • Emphasis on methods, applications, and reproducibility. • R code is integrated throughout for application of the methods. • Includes more than 200 full colour figures. • Includes many exercises to supplement understanding, with separate solutions available from the author. • Supported by a website with full code available to reproduce all methods and examples. The book is primarily designed as a textbook for postgraduate students studying GP regression from mathematics, statistics, computer science, and engineering. Given the breadth of examples, it could also be used by researchers from these fields, as well as from economics, life science, social science, etc.

Designing with Progressive Enhancement

The extraordinary and wonderful adventures which befall Phileas Fogg and his servant Passepartout when they set out to win a bet by going round the world in eighty days.

Spring Data

The great Nokia turnaround—universal business lessons for leaders in any industry Nokia once dominated the smartphone industry. It was to mobile phones was Kleenex is to facial tissues. Then iPhones and Androids appeared out of nowhere and pushed Nokia off the cliff. In just four years, the company lost over 90 percent of its value. Revenues were in freefall; massive layoffs became common. Pundits predicted that bankruptcy wasn't a matter of if, it was a matter of when. Then something equally shocking occurred. In record time, Nokia bounced back. With a vengeance. Nokia reinvented itself and is now the second-biggest player in the $100 billion-dollar global wireless market. In Transforming Nokia, the man who orchestrated and led Nokia's comeback—Chairman of the Board Risto Siilasmaa—reveals the story of Nokia's fall and resurrection. He reveals the inside story of the collapse and provides survival strategies and change-management methods any business leader can take to the bank. You'll learn how to harness the

power of what Siilasmaa calls "paranoid optimism" and apply his winning entrepreneurial leadership model to rise above any challenge and drive sustainable success. Whether you lead a team or a corporate division, head a start-up or a massive organization, and whether your business is on the rocks or running smoothly, Transforming Nokia provides everything you need to sharpen your foresight, expand your options, seize opportunities, and thrive, no matter what changes tomorrow brings.

Microsound

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.

Foundation HTML5 Animation with JavaScript

Car accidents don't happen. The last one was fifty-some years ago, somewhere around 2050. Which makes Jordan Bishop's fatal crash in a self-driving vehicle unusual. Maybe even a murder. Araci Belo doesn't know cars, but he suspects it wasn't a simple malfunction. Jupyter works with appliances—rice cookers, ovens, whatever calls for help—coaching them back to proper operation. She's being hounded by a refrigerator with an impossible question. It's unfortunate Belo doesn't know Jupyter. It's unfortunate that Jupyter doesn't know about the murder. It's unfortunate a refrigerator only cares about orange juice when it knows who killed jordan. Can a refrigerator solve a murder?

Geocomputation with R

In this volume Massimo Canevacci draws on ethnographic fieldworkcarried out together with Bororo of the Mato Grosso (Brazil), in particular Kleber Meritororeu, to examine the tensions, conflicts and exchanges between transformation and tradition. The practical as well as political keyword in his approach is self-representation. From this follows the incorporation of Bororo subjectivities into the text, and the focus on the emotional, philosophical and sacred aspects of their famous funeral ritual, in which their status as both performers and the interpreters is emphasized by their use of the digital camera. The book takes its name from the line of dust laid down by a mestre dos cantos (master of chants), Jose Carlos Kuguri, between the anthropologist and himself: both a representation of an immaterial boundary, and a syncretic challenge to understand the transfiguration from a dead individual corpse to a living ancestral skull, an arara. Canevacci's answer is an assemblage of different narratives, in which an 'astonished' methodology of sensorial concepts, emotional photos and innovative logics traverses the entire Bororo funeral. He finds there is no dualism to life and death for the Bororo, but rather a porous, continuous transit and mixing of body and corpse, of humans and animals, of plants and deities; and that their sacred cosmology is time and again created and recreated via their wailing songs and circular dances, skin scarifications and bone painting. Their rituals are no mere repetition of tradition. They are also an attempt to respond to the changes inside and outside their aldeia (village), and to reenact their shifting cultures, subjectivities and identities. Massimo Canevacci is Professor of Cultural

Anthropology, Digital Arts and Culture at the University of Rome 'La Sapienza' and Visiting Professor at the Institute of Advanced Study of the University Sao Paulo (IEA-USP). In 1995 he received 'The National Order of the Cruzeiro do Sul' (Southern Cross) from the President of the Federal Republic of Brazil for his research.

The Master Switch

In his new book, renowned educator and technology expert, James G. Lengel provides a refreshing and hopeful picture of what schools should look like and a groundbreaking 7-step process for envisioning and building them that draws on the full possibilities offered by new digital technologies. He describes the process in action through the eyes of a student, a teacher, and a school leader. Education 3.0 includes an array of tools to create a new vision, write a comprehensive plan, and implement the changes in one's own school. Based on the author's background as a teacher and administrator, his experience with the educational divisions of Apple Computer and Cisco Systems, and his recent consulting work with more than 30 schools in New York City start-up middle and high schools, this dynamic book features: A proven step-by-step process for school change complete with templates and samples, guidance for integrating the latest technologies into the overall school planning and improvement process, and first-hand accounts from schools that are practicing the principles of Education 3.0 today.

Text Mining with R

Hands-on Machine Learning with R provides a practical and applied approach to learning and developing intuition into today's most popular machine learning methods. This book serves as a practitioner's guide to the machine learning process and is meant to help the reader learn to apply the machine learning stack within R, which includes using various R packages such as glmnet, h2o, ranger, xgboost, keras, and others to effectively model and gain insight from their data. The book favors a hands-on approach, providing an intuitive understanding of machine learning concepts through concrete examples and just a little bit of theory. Throughout this book, the reader will be exposed to the entire machine learning process including feature engineering, resampling, hyperparameter tuning, model evaluation, and interpretation. The reader will be exposed to powerful algorithms such as regularized regression, random forests, gradient boosting machines, deep learning, generalized low rank models, and more! By favoring a hands-on approach and using real word data, the reader will gain an intuitive understanding of the architectures and engines that drive these algorithms and packages, understand when and how to tune the various hyperparameters, and be able to interpret model results. By the end of this book, the reader should have a firm grasp of R's machine learning stack and be able to implement a systematic approach for producing high quality modeling results. Features: · Offers a practical and applied introduction to the most popular machine

learning methods. · Topics covered include feature engineering, resampling, deep learning and more. · Uses a hands-on approach and real world data.

R Cookbook

The development of robot technology to a state of perfection by future civilizations is explored in nine science fiction stories.

The Art of Data Science

Statistical Inference via Data Science: A ModernDive into R and the Tidyverse provides a pathway for learning about statistical inference using data science tools widely used in industry, academia, and government. It introduces the tidyverse suite of R packages, including the ggplot2 package for data visualization, and the dplyr package for data wrangling. After equipping readers with just enough of these data science tools to perform effective exploratory data analyses, the book covers traditional introductory statistics topics like confidence intervals, hypothesis testing, and multiple regression modeling, while focusing on visualization throughout. Features: ● Assumes minimal prerequisites, notably, no prior calculus nor coding experience ● Motivates theory using real-world data, including all domestic flights leaving New York City in 2013, the Gapminder project, and the

data journalism website, FiveThirtyEight.com ● Centers on simulation-based approaches to statistical inference rather than mathematical formulas ● Uses the infer package for "tidy" and transparent statistical inference to construct confidence intervals and conduct hypothesis tests via the bootstrap and permutation methods ● Provides all code and output embedded directly in the text; also available in the online version at moderndive.com This book is intended for individuals who would like to simultaneously start developing their data science toolbox and start learning about the inferential and modeling tools used in much of modern-day research. The book can be used in methods and data science courses and first courses in statistics, at both the undergraduate and graduate levels.

The New Precision Journalism

You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC support

for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration

Around the World in Eighty Days

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.

We Are Here

Data science has taken the world by storm. Every field of study and area of business has been affected as people increasingly realize the value of the incredible quantities of data being generated. But to extract value from those data, one needs to be tra

Reiki - Guia Para Uma Vida Feliz

A New Yorker and Fortune Best Book of the Year Analyzing the strategic maneuvers of today's great information powers–Apple, Google, and an eerily resurgent AT&T–Tim Wu uncovers a time-honored pattern in which invention begets industry and industry begets empire. It is easy to forget that every development in the history of the American information industry–from the telephone to radio to film–once existed in an open and chaotic marketplace inhabited by entrepreneurs and utopians, just as the Internet does today. Each of

these, however, grew to be dominated by a monopolist or cartel. In this pathbreaking book, Tim Wu asks: will the Internet follow the same fate? Could the Web–the entire flow of American information–come to be ruled by a corporate leviathan in possession of "the master switch"? Here, Tim Wu shows how a battle royale for Internet's future is brewing, and this is one war we dare not tune out.

Sams Teach Yourself Java in 24 Hours

Surrogates

Much of the data available today is unstructured and text-heavy, making it challenging for analysts to apply their usual data wrangling and visualization tools. With this practical book, you'll explore text-mining techniques with tidytext, a package that authors Julia Silge and David Robinson developed using the tidy principles behind R packages like ggraph and dplyr. You'll learn how tidytext and other tidy tools in R can make text analysis easier and more effective. The authors demonstrate how treating text as data frames enables you to manipulate, summarize, and visualize characteristics of text. You'll also learn how to integrate natural language processing (NLP) into effective workflows. Practical code examples and data explorations will help you generate real insights from literature,

news, and social media. Learn how to apply the tidy text format to NLP Use sentiment analysis to mine the emotional content of text Identify a document's most important terms with frequency measurements Explore relationships and connections between words with the ggraph and widyr packages Convert back and forth between R's tidy and non-tidy text formats Use topic modeling to classify document collections into natural groups Examine case studies that compare Twitter archives, dig into NASA metadata, and analyze thousands of Usenet messages

Stupid Machine

Spring Data Standard Guide

Progressive enhancement is an approach to web development that aims to deliver the best possible experience to the widest possible audience, and simplifies coding and testing as well. Whether users are viewing your sites on an iPhone, the latest and greatest high-end system, or even hearing them on a screen-reader, their experience should be easy to understand and use, and as fully-featured and functional as possible. Designing with Progressive Enhancement will show you how. It's both a practical guide to understanding the principles and benefits of

progressive enhancement, and a detailed exploration of examples that will teach you—whether you're a designer or a developer—how, where, and when to implement the specific coding and scripting approaches that embody progressive enhancement. In this book, you'll learn: Why common coding approaches leave users behind, and how progressive enhancement is a more inclusive and accessible alternative How to analyze complex interface designs, see the underlying semantic HTML experience that will work everywhere, and layer on advanced enhancements safely A unique browser capabilities testing suite that helps deliver enhancements only to devices that can handle them Real-world best practices for coding HTML, CSS, and JavaScript to work with progressive enhancement, and cases where forward-looking HTML5 and CSS3 techniques can be applied effectively today How to factor in accessibility features like WAI-ARIA and keyboard support to ensure universal access Detailed techniques to transform semantic HTML into interactive components like sliders, tabs, tree controls, and charts, along with downloadable jQuery-based widgets to apply directly in your projects

The Line of Dust

"Practical recipes for visualizing data"--Cover.

CoffeeScript

Learn how to program by diving into the R language, and then use your newfound skills to solve practical data science problems. With this book, you'll learn how to load data, assemble and disassemble data objects, navigate R's environment system, write your own functions, and use all of R's programming tools. RStudio Master Instructor Garrett Grolemund not only teaches you how to program, but also shows you how to get more from R than just visualizing and modeling data. You'll gain valuable programming skills and support your work as a data scientist at the same time. Work hands-on with three practical data analysis projects based on casino games Store, retrieve, and change data values in your computer's memory Write programs and simulations that outperform those written by typical R users Use R programming tools such as if else statements, for loops, and S3 classes Learn how to write lightning-fast vectorized R code Take advantage of R's package system and debugging tools Practice and apply R programming concepts as you learn them

Op Amps for Everyone

"This book describes the process of analyzing data. The authors have extensive experience both managing data analysts and conducting their own data analyses,

and this book is a distillation of their experience in a format that is applicable to both practitioners and managers in data science."--Leanpub.com.

Hands-On Machine Learning with R

The process of developing predictive models includes many stages. Most resources focus on the modeling algorithms but neglect other critical aspects of the modeling process. This book describes techniques for finding the best representations of predictors for modeling and for nding the best subset of predictors for improving model performance. A variety of example data sets are used to illustrate the techniques along with R programs for reproducing the results.

Statistical Rethinking

A comprehensive presentation of the techniques and aesthetics of composition with sound particles.

Circuits

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 Graphics Cookbook

Neste livro encontrará um guia acessível que o ajudará a abrir a sua mente para a aprendizagem e desenvolvimento de novas atitudes. É o livro perfeito para todos aqueles que procuram uma filosofia que lhes permita mudar, crescer e redescobrir a beleza da vida, com Reiki. Ao percorrer este caminho que João Magalhães propõe, estará a transformar a mente e o coração, convidando a felicidade a entrar na sua vida. Os métodos apresentados são adequados a qualquer sistema e a qualquer nível de Reiki.

A Princess of Mars

Foundation HTML5 Animation with JavaScript covers everything that you need to know to create dynamic scripted animation using the HTML5 canvas. It provides information on all the relevant math you'll need, before moving on to physics concepts like acceleration, velocity, easing, springs, collision detection, conservation of momentum, 3D, and forward and inverse kinematics. Foundation HTML5 Animation with JavaScript is a fantastic resource for all web developers working in HTML5 or switching over from Flash to create standards-compliant games, applications, and animations that will work across all modern browsers and most mobile devices, including iPhones, iPads, and Android devices. You will learn

how to utilize the amazing animation and physics-based code originally created by author Keith Peters in his hugely successful Foundation ActionScript Animation in all of your HTML5 applications. In no time at all, you'll understand the concepts behind scripted animation and also have the ability to create all manner of exciting animations and games.

Statistical Inference via Data Science: A ModernDive into R and the Tidyverse

Statistical Rethinking: A Bayesian Course with Examples in R and Stan builds readers' knowledge of and confidence in statistical modeling. Reflecting the need for even minor programming in today's model-based statistics, the book pushes readers to perform step-by-step calculations that are usually automated. This unique computational approach ensures that readers understand enough of the details to make reasonable choices and interpretations in their own modeling work. The text presents generalized linear multilevel models from a Bayesian perspective, relying on a simple logical interpretation of Bayesian probability and maximum entropy. It covers from the basics of regression to multilevel models. The author also discusses measurement error, missing data, and Gaussian process models for spatial and network autocorrelation. By using complete R code examples throughout, this book provides a practical foundation for performing

statistical inference. Designed for both PhD students and seasoned professionals in the natural and social sciences, it prepares them for more advanced or specialized statistical modeling. Web Resource The book is accompanied by an R package (rethinking) that is available on the author's website and GitHub. The two core functions (map and map2stan) of this package allow a variety of statistical models to be constructed from standard model formulas.

bookdown

Implement JPA repositories and harness the performance of Redis in your applications.

Learning Python

This approved study guide helps you master topics on the CompTIA Network+ N10-006 exam, including the following: Computer network fundamentals The OSI model and TCP/IP stack Media types, infrastructure components, and network devices Ethernet technology IPv4 and IPv6 addresses Routing IP traffic with dynamic routing protocols DNAT, SNAT, and PAT Multicast routing Wide Area Networks (WANs) Wireless LANs Network optimization and QoS Windows and UNIX command-line tools for network administration and troubleshooting Network

security Troubleshooting common Layer 2, Layer 3, and wireless networking issues CompTIA Network+ N10-006 Cert Guide contains proven study features that enable you to succeed on the exam the first time. Best-selling authors and expert instructors Keith Barker and Kevin Wallace share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills, essential for successful completion of the performance-based testing items on the exam. This complete, CompTIA-approved study package includes the following: A test-preparation routine proven to help you pass the exams approved by CompTIA Clearly defined chapter learning objectives covering all N10-006 exam topics Chapter-ending review questions and exam preparation exercises, which help you drill on key concepts you must know thoroughly The powerful Pearson IT Certification Practice Test software, complete with hundreds of well reviewed, exam-realistic questions, customization options, and detailed performance reports 40 performance-based practice question exercises to help you prepare for the hands-on exam questions An 80% discount off the Premium Edition eBook and Practice Test (a $40 value!) A free copy of the CompTIA Network+ Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills More than 60 minutes of video mentoring from the author A final preparation chapter that guides you through tools and resources to help you craft your review and test-taking strategies An Exam Essentials appendix that quickly recaps all major chapter topics for easy reference, both in print and interactive digital format A key terms Glossary in both

print and on the DVD, which acts as an interactive flash-card application Study plan suggestions and templates to help you organize and optimize your study time A 10% exam discount voucher (a $27 value!) Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, video instruction, and hands-on labs, this approved study guide helps you master the concepts and techniques that ensure your exam success. Keith Barker, CCIE No. 6783, has been working in the information technology (IT) industry since 1985. He currently enjoys creating effective and entertaining video training for CBT Nuggets. He has certifications from VMware, Cisco, Juniper, HP, Check Point, Palo Alto, (ISC)2, and many others. Kevin Wallace, CCIEx2 (Collaboration and R/S) NO. 7945, has been a network design specialist for the Walt Disney World Resort, an instructor of networking courses for Skillsoft, and a network manager for Eastern Kentucky University. Kevin currently produces video courses and writes books for Cisco Press/Pearson IT Certification (http://kwtrain.com/books). Companion DVD The DVD contains more than 200 practice questions, 40 performance-based question exercises, glossary flash cards, an exam essentials review tool, memory table exercises and answer keys, a study planner tool, more than 60 minutes of video, and the Network+ Simulator Lite. Includes Exclusive Offer for 80% Off Premium Edition eBook and Practice Tests

Introduction to Data Science

This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1989.

Hands-On Programming with R

Do you love tales of inter-species romance? Want fantasy, science fiction and adventure all rolled into one? A Princess of Mars is a space western with heart and is a classic example of early 20th century pulp fiction. Follow John Carter as he mysteriously is transported to Mars and earns the respect and love of the planet's strange inhabitants. This Xist Classics edition has been professionally formatted for e-readers with a linked table of contents. This eBook also contains a bonus book club leadership guide and discussion questions. We hope you'll share this book with your friends, neighbors and colleagues and can't wait to hear what you have to say about it. Xist Publishing is a digital-first publisher. Xist Publishing creates books for the touchscreen generation and is dedicated to helping everyone develop a lifetime love of reading, no matter what form it takes

Interpretable Machine Learning

**SIN SHOT is a super sexy STANDALONE sports romance about a Russian bad-boy hockey god and a not-so-innocent virgin physical therapist! Things are about to heat up in the therapy room There's a lot more to me than what I've let on in the public eye. -Georg Kolochev, VEGAS CRUSHNo, I don't drink vodka straight from the bottle. I don't pour it over my breakfast cereal either.I am not in need of an interventionunless it involves me and a certain blonde bombshell alone in a room with a locking door.I've done my fair share of partying, I'll admit. And yes, I've built up something of a reputation with the ladies when not on the ice. That's on me for being careless with my posts on social. And I do know what's most important in my life.Two things.Hockeyand Pamela Jenson.My favorite physical therapist needs me so much more than she knows.Because I am the guy delivering her SIN SHOT.Yeah, you heard me.I'm her first.Sinning with Pam has never felt so good.

Transforming NOKIA

The operational amplifier ("op amp") is the most versatile and widely used type of analog IC, used in audio and voltage amplifiers, signal conditioners, signal converters, oscillators, and analog computing systems. Almost every electronic device uses at least one op amp. This book is Texas Instruments' complete

professional-level tutorial and reference to operational amplifier theory and applications. Among the topics covered are basic op amp physics (including reviews of current and voltage division, Thevenin's theorem, and transistor models), idealized op amp operation and configuration, feedback theory and methods, single and dual supply operation, understanding op amp parameters, minimizing noise in op amp circuits, and practical applications such as instrumentation amplifiers, signal conditioning, oscillators, active filters, load and level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and output isolation, using decoupling capacitors, and frequency characteristics of passive components. The material in this book is applicable to all op amp ICs from all manufacturers, not just TI. Unlike textbook treatments of op amp theory that tend to focus on idealized op amp models and configuration, this title uses idealized models only when necessary to explain op amp theory. The bulk of this book is on real-world op amps and their applications; considerations such as thermal effects, circuit noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail. *Published in conjunction with Texas Instruments *A single volume, professional-level guide to op amp theory and applications *Covers circuit board layout techniques for manufacturing op amp circuits.

Education 3.0

Offers an updated tutorial for beginners explaining how to use Java to create desktop and Web programs, applications, and web services.

CompTIA Network+ N10-006 Cert Guide

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

Advanced R

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutz's popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. It's an ideal way to begin, whether you're new to programming or a professional developer versed in other languages. Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3— the latest releases in the 3.X and 2.X lines—plus all other releases in common use today. You'll also learn some advanced language features that recently have become more common in Python code. Explore Python's major built-in object types such as numbers, lists, and dictionaries Create and process objects with Python statements, and learn Python's general syntax model Use functions to avoid code redundancy and package code for reuse Organize statements, functions, and other tools into larger components with modules Dive into classes: Python's object-oriented programming tool for structuring code Write large programs with Python's exception-handling model and development tools Learn advanced Python tools, including decorators, descriptors, metaclasses, and

Unicode processing

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