Baysian Statistics the Fun Way: Wil Hart 2019-07-16 Fun guide to learning Bayesian statistics and probability through unusual and illustrative examples. Provides practical, hands-on experience in applying Bayesian statistics, and shows that the learning experience can be an enjoyable one. Bayesian statistics may not be the easiest subject to learn, but whether you’re in a huge range of professions. But, meaning they aren’t getting the most from it. Bayesian Statistics the Fun Way will teach you that. This book will give you a complete understanding of Bayesian statistics through simple explanations and un-boring examples. Finding out about the probability of UFO’s landing in your garden, how likely Hana Solo is to survive a flight through an asteroid shower, and whether a bunny really wants to be a bunnyman, to name a few examples. By using these off-the-beaten-track, uncommon, and amusing examples, the author actually makes learning statistics fun. And you’ll learn real skills, like how to: - Measure your level of uncertainty in a conclusion or prediction - Understand and solve problems that are prior to and beyond the accuracy of your conclusions - Calculate probabilities and draw reliable conclusions from them Next time you find yourself a shoot of survey results and no idea what to do with them, turn to Bayesian Statistics the Fun Way to get the most value from your data.

Message Not Received: Phil Simon 2015-02-18 Get your message across the right way with clear communication Message Not Received provides the tools and techniques that make an effective writer and public speaker. Particularly on topics related to data and technology, effective communication can present a challenge in language and style. This book is about the particular challenges that face professionals in business, science, and technology. It helps you get your message across the right way: in a way that’s useful to everyday life • How to use the machine learning techniques that form the core of modern AI Intellectual adventurers of all kinds can use the learning systems learn to play and win at human games • How image classification systems identify objects or people in a photo • How to think about probabilities in a way that’s useful to everyday life • How to win an argument about conspiracy theories, and whether a burglary really was a burglary, to name a few examples. By using these off-the-beaten-track, uncommon, and amusing examples, the author actually makes learning statistics fun. And you’ll learn real skills, like how to: - Measure your level of uncertainty in a conclusion or prediction - Understand and solve problems that are prior to and beyond the accuracy of your conclusions - Calculate probabilities and draw reliable conclusions from them Next time you find yourself a shoot of survey results and no idea what to do with them, turn to Bayesian Statistics the Fun Way to get the most value from your data.

Deep Learning: A Visual Approach -Andrew Glassner 2021-06-22 A richly-illustrated, full-color introduction to deep learning that offers visual and conceptual explanations instead of complex mathematical notation and equations Deep Learning: A Visual Approach starts with the fundamental building blocks of neural networks, and shows how you can assemble them to solve problems. You'll learn how these tools work, and use them yourself, the answers are all within these pages. And, if you're ready to write your own programs, there are also plenty of examples, with full code available online. After discussing the mechanics of neural networks, you'll get an introduction to the current state of the art, from convolutional networks for image classification and generation, to recurrent networks for language, reinforcement learning, and reinforcement learning, to deep reinforcement learning for controlling robots. The book also covers how to analytically interpret deep learning models, with explanations of how to interpret the weights and biases in a trained model, and how to understand the output of a trained model. Deep Learning: A Visual Approach is for anyone who wants to understand these fascinating machines and how they work, or wants to use them in their own projects. A deep understanding of neural networks is not required. Whether you're a professional data scientist, a curious programmer, or a student with a solid understanding of linear algebra and machine learning, this book will give you the insights you need to understand, implement, and use these fascinating tools to solve your own problems. Deep Learning: A Visual Approach makes complex concepts in machine learning easy to understand, and internalize It doesn't matter whether you're pitching to a venture capitalist, explaining daily challenges to a non-tech manager, or speaking to hundreds of people – jargon-filled word salad uses a lot of words to say very little. Better communication requires a different approach, and Message Not Received gives you a roadmap to more effective writing and speaking for any audience or medium.

The SAGE Handbook of Online Research Methods- The SAGE Handbook of Online Research Methods is a comprehensive, authoritative, and accessible guide to the use of online research methods. It provides an up-to-date overview of the latest methods in the field, including social media research, virtual reality, and mobile phone research. The book is organized into 12 sections, each focusing on a specific area of online research, and includes case studies, research examples, and practical guidance. It is an essential resource for researchers, practitioners, and educators who are interested in exploring the use of online methods in their work.

Introduction to Linear Algebra with Applications- This book is a calculus-based introduction to linear algebra and is aimed at students who have completed a course in calculus and have some familiarity with matrices. The text begins with an introduction to linear systems and matrices, followed by a discussion of matrix algebra and linear independence. It then covers determinants, eigenvalues and eigenvectors, and orthogonality. The book concludes with a discussion of applications of linear algebra, including linear programming, Markov chains, and least squares. The text is written in a clear and concise style, with numerous examples and exercises. It is an excellent resource for students who are new to linear algebra and who want to gain a solid understanding of the subject.
Beyond the Basic Stuff with Python—Al Sweigart 2020-12-16 BRIDGE THE GAP BETWEEN NOVICE AND PROFESSIONAL You've completed a basic Python programming tutorial or finished Al Sweigart's bestseller, Automate the Boring Stuff with Python. What's the next step toward becoming a capable, confident software developer? Well, there are many college-level courses and books for that. But this book shows you how to advance your Python programming skills by using the command line and other professional tools like code formatters, type checkers, linters, and version control. Python takes you through best practices for setting up your development environment, naming variables, and improving readability. It tackles documentation, organization and performance measurement, as well as object-oriented design and the B.o.o Algorithmic approach commonly used in coding interviews. The skills you will learn will be your passport to Python—just not in any but the professional world. You'll learn coding, style, and how to use Python's Black auto-formatting tool for consistent style. This book shows you how to use your version control system to create a reproducible codebase across many projects. It also shows how to use the command-line version control system Git, covering both the basic commands and more advanced tricks. It introduces you to the concept of functional programming using the programming language Haskell. The author also introduces the functional programming concept of monads, which allows you to work with data that is potentially undefined or that may represent multiple values. Python is known for its simplicity and ease of use, but it can also be a powerful and flexible language. This book will help you understand the fundamental concepts of Python programming and how to use them effectively in real-world applications. Python is a versatile language that can be used for a wide range of tasks, from web development to data analysis to scientific computing. This book will help you master Python and develop the skills you need to succeed in the world of programming. Python is a powerful and flexible language that can be used for a wide range of tasks, from web development to data analysis to scientific computing. This book will help you master Python and develop the skills you need to succeed in the world of programming.
about human behavior? In Mining Social Media, senior BuzzFeed reporter Lam Thuy Vo shows you how to use Python and key data analysis tools to find the stories buried in social media. Whether you’re a professional journalist, an academic researcher, or a citizen investigator, you’ll learn how to use technical tools to collect and analyze data from social media sources to build compelling, data-driven stories. Learn how to: • Write Python scripts and use APIs to gather data from the social web • Download data archives and dig through them for insights • Import HTML downloaded from websites for useful content • Format, aggregate, sort, and filter your collected data using Google Sheets • Create data visualizations to illustrate your discoveries • Perform advanced data analysis using Python, Jupyter Notebooks, and the pandas library • Apply what you’ve learned to research topics on your own social media

The Modern Web Peter Gasston 2013 Provides information on Web development for multiple devices, covering such topics as structure and semantics, device APIs, multimedia, and Web apps.

Magic with HTML, DHTML & JavaScript Dr. Ravinder Singh 2009-05

The Book of R-Tim Leong and Peter Dalgaard 2008-08-06 Originally designed as neutral entities, computerized bots are increasingly being used maliciously by online criminals in mass spamming events, fraud, extortion, identity theft, and software theft. Malicious Bots: An Inside Look into the Cyber-Criminal Underground of the Internet explores the rise of dangerous bots and exposes the nefarious methods of “botmasters.” This valuable resource assists information security managers in understanding the scope, sophistication, and criminal uses of bots. With sufficient technical detail to empower IT professionals, this book provides in-depth coverage of the top bot attacks against financial and government networks over the last several years. The book presents exclusive details of the operation of the notorious Thr34t Krew, one of the most malicious bot herder groups in recent history. Largely unidentified by anti-virus companies, their bots spread globally for months, launching massive distributed denial of service (DDoS) attacks and warez (stolen software distributions). For the first time, this story is publicly revealed, showing how the botherders got arrested, and how they were able to launch such massive attacks. The book presents exclusive details of the operation of the notorious Thr34t Krew, one of the most malicious bot herder groups in recent history. Largely unidentified by anti-virus companies, their bots spread globally for months, launching massive distributed denial of service (DDoS) attacks and warez (stolen software distributions). For the first time, this story is publicly revealed, showing how the botherders got arrested, and how they were able to launch such massive attacks.

Malicious Bots-Ken Dunham 2008-08-06 Originally designed as neutral entities, computerized bots are increasingly being used maliciously by online criminals in mass spamming events, fraud, extortion, identity theft, and software theft. Malicious Bots: An Inside Look into the Cyber-Criminal Underground of the Internet explores the rise of dangerous bots and exposes the nefarious methods of “botmasters.” This valuable resource assists information security managers in understanding the scope, sophistication, and criminal uses of bots. With sufficient technical detail to empower IT professionals, this book provides in-depth coverage of the top bot attacks against financial and government networks over the last several years. The book presents exclusive details of the operation of the notorious Thr34t Krew, one of the most malicious bot herder groups in recent history. Largely unidentified by anti-virus companies, their bots spread globally for months, launching massive distributed denial of service (DDoS) attacks and warez (stolen software distributions). For the first time, this story is publicly revealed, showing how the botherders got arrested, and how they were able to launch such massive attacks. The book presents exclusive details of the operation of the notorious Thr34t Krew, one of the most malicious bot herder groups in recent history. Largely unidentified by anti-virus companies, their bots spread globally for months, launching massive distributed denial of service (DDoS) attacks and warez (stolen software distributions). For the first time, this story is publicly revealed, showing how the botherders got arrested, and how they were able to launch such massive attacks.

Scratch Programming Adventure! (Scratch 3) -The LEAD Project 2018-08-27 Comics! Games! Programming! Now updated to cover Scratch 3. Scratch is the wildly popular educational programming language used by millions of first-time learners in classrooms and homes worldwide. By dragging together colorful blocks of code, kids can learn computer programming concepts and create cool games and animations. The latest version, Scratch 3, features an updated interface, new sprites and programming blocks, and extensions that let you program things like the micro:bit. In Scratch Programming Adventure!, kids learn programming fundamentals as they make their very own playable video games. They’ll create projects inspired by classic arcade games that can be programmed (and played!) is an afternoon. Patient, step-by-step explanations of the code and fun programming challenges will have kids creating their own games in no time. This full-color comic book makes programming concepts like variables, flow control, and minicourses effortlessly to absorb. Packed with ideas for games that kids will be proud to show off. Super Scratch Adventure! is the perfect first step for the budding programmer. Covers Scratch 3

HaANess Made Easy-Jeff Starr 2012-08-01 Learn how to use Apache’s HaANess tools to improve the usability, security, performance, and SEO of your website.

The Art of R Programming-Norman Matloff 2011-10-11 R is the world’s most popular language for statistical development. Archaeologists use it to track the spread of ancient civilizations, drug companies use it to discover which medications are safe and effective, and actuaries use it to assess financial risks and keep economies running smoothly. The Art of R Programming takes you on a guided tour of software development with R, from basic types and data structures to advanced topics like closures, recursion, and random functions. No statistical knowledge is required, and your programming skills can range from hobbyist to pro. Along the way, you’ll learn about functional and object-oriented programming, running mathematical simulations, and leveraging complex data into simpler, more useful formats. You’ll also learn to: • Create artful graphs to visualize complex data sets and functions • Write more efficient code • Parallel R and vectorization • Interface R with C/C++ and Python for increased speed or functionality • Find new R packages for text analysis, image manipulation, and more • Squash annoying bugs with advanced debugging techniques Whether you’re designing aircraft, forecasting the weather, or you just need to tase your data, The Art of R Programming is your guide to harnessing the power of statistical computing.

Java in Action-Raul-Gabriel Urma 2014 "Java 8 in Action is a clearly written guide to the new features of Java 8. It begins with a practical introduction to lambdas, using real-world Java code. Next, it covers the new Streams API and shows how you can use it to make collection-based code radically easier to understand and maintain. It also explains other major Java 8 features including default methods, Optional, Comappable/Recent, and the new Date and Time API... This book/courses is written for programmers familiar with Java and basic OOP programming." –Resource-description page.

Spidering Hacks-Kevin Hensley 2004 Provides techniques on creating spiders and scrapers to retrieve information from Web sites and data sources.

Professional PHP5-Ed Lacey-Thompson 2007-01-29 What is this book about? With the release of PHP 5 and the Zend Engine 2, PHP finally graduates from its earliest days as a lightweight scripting syntax to an powerful object oriented programming language that can hold its own against the Java and .NET architectures that currently dominate corporate software development. This book has a pragmatic focus on how to use PHP in the larger scheme of enterprise-class software development. What does this book cover? Unlike Java or .NET, there is little discussion of the application of design patterns, component architectures, and best practices to the development of applications using PHP. Software written in the absence of this higher-order architecture will never be able to match the robust frameworks that Java and .NET ship with out of the box. This book addresses this issue by covering the following material: Part 1 discusses the OO concepts that were initially explored in Beginning PHP 5 and a demonstration of how to implement them in PHP 5. This section also covers UML modeling and provides a brief introduction to project management techniques that are covered in more depth in Part 4. Parts 2 and 3 present objects and object hierarchies that, when compiled, comprise a robust toolkit that developers will be able to reuse on future projects. These chapters are designed to arm the professional PHP developer with the sort of constructs that are available out of the box with platforms such as Java and .NET — from simple utility classes like Collection and Iterator, to more complex constructs like Model/View/Controller architectures and state machines. Part 4 shows how to use the toolkit from Parts 2 and 3 to create real-world applications. We look at the development of a robust contact management system that will leverage the componentry and concepts already discussed and introduce project management and software architecture concepts that enable developers to accurately identify business requirements, design scalable, extensible platforms, and handle change management effectively. It covers the waterfront and spiral project management paradigms and include a discussion on extente Programming and other approaches to software development. The Appendices include an extended discussion on the effective use of CVS, introduce the Zend Studio IDE and related tools, and discuss performance tuning and scalability.