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# Package Analytics Sick

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**Real-Time Analytics** John Wiley & Sons  
In 1971, the American Academy of Orthopaedic Surgeons (AAOS) published the first edition of Emergency Care and Transportation of the Sick and Injured and created the backbone of EMS education. Now, the Tenth Edition of this gold standard training program raises the bar even higher with its world-class content and instructional resources that meet the diverse needs of today's educators and students. Based on the new National EMS Education Standards, the Tenth Edition offers complete coverage of every competency statement with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. The experienced author team and AAOS medical editors have

transformed the Education Standards into a training program that reflects current trends in prehospital medicine and best practices. New cognitive and didactic material is presented, along with new skills and features, to create a robust and innovative training solution for your course that will engage student's minds. Interactive resources, including online testing and assessment materials, learning management system, and eLearning student resources, allow you the flexibility to build the course that works best for you and your students. The Tenth Edition is the only way to prepare EMT students for the challenges they will face in the field. Data Management and Analytics for Medicine and Healthcare John Wiley & Sons  
The use of data science and urban analytics has

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become a defining feature of smart cities. This timely book is a clear guide to the use of social media data for urban analytics. The book presents the foundations of urban analytics with social media data, along with real-world applications and insights on the platforms we use today. It looks at social media analytics platforms, cyberphysical data analytics platforms, crowd detection platforms, City-as-a-Platform, and city-as-a-sensor for platform urbanism. The book provides examples to illustrate how we apply and analyse social media data to determine disaster severity, assist authorities with pandemic policy, and capture public perception of smart cities. This will be a useful reference for those involved with and researching social, data, and urban analytics and informatics.

*Health Data in the Information Age* Packt

Publishing Ltd

Just Enough R! An Interactive Approach to Machine Learning and Analytics presents just enough of the R language, machine learning algorithms, statistical methodology, and analytics for the reader to learn how to find interesting structure in data. The approach might be called "seeing then doing" as it first gives step-by-step explanations using simple, understandable examples of how the various machine learning algorithms work independent of any programming language. This is followed by detailed scripts written in R that apply the algorithms to solve nontrivial problems with real data. The script code is provided, allowing the reader to execute the scripts as they study the explanations given in the text. Features Gets you quickly using R as a problem-solving tool Uses RStudio's integrated development

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environment Shows how to interface R with SQLite Includes examples using R's Rattle graphical user interface Requires no prior knowledge of R, machine learning, or computer programming Offers over 50 scripts written in R, including several problem-solving templates that, with slight modification, can be used again and again Covers the most popular machine learning techniques, including ensemble-based methods and logistic regression Includes end-of-chapter exercises, many of which can be solved by modifying existing scripts Includes datasets from several areas, including business, health and medicine, and science About the Author Richard J. Roiger is a professor emeritus at Minnesota State University, Mankato, where he taught and performed research in the Computer and Information Science Department for over 30 years.

R Packages Packt Publishing Ltd  
Learn to design, implement and secure your IoT infrastructure Key Features Build a complete IoT system that is the best fit for your organization Learn about different concepts, technologies, and tradeoffs in the IoT architectural stack Understand the theory, concepts, and implementation of each element that comprises IoT design—from sensors to the cloud Implement best practices to ensure the reliability, scalability, robust communication systems, security, and data analysis in your IoT infrastructure Book Description The Internet of Things (IoT) is the fastest growing technology market. Industries are embracing IoT technologies to improve operational expenses, product life, and people's well-being. An architectural

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guide is necessary if you want to traverse the spectrum of technologies needed to build a successful IoT system, whether that's a single device or millions of devices. This book encompasses the entire spectrum of IoT solutions, from sensors to the cloud. We start by examining modern sensor systems and focus on their power and functionality. After that, we dive deep into communication theory, paying close attention to near-range PAN, including the new Bluetooth® 5.0 specification and mesh networks. Then, we explore IP-based communication in LAN and WAN, including 802.11ah, 5G LTE cellular, SigFox, and LoRaWAN. Next, we cover edge routing and gateways and their role in fog computing, as well as the messaging protocols of MQTT and CoAP. With the data now in

internet form, you'll get an understanding of cloud and fog architectures, including the OpenFog standards. We wrap up the analytics portion of the book with the application of statistical analysis, complex event processing, and deep learning models. Finally, we conclude by providing a holistic view of the IoT security stack and the anatomical details of IoT exploits while countering them with software defined perimeters and blockchains. What you will learn Understand the role and scope of architecting a successful IoT deployment, from sensors to the cloud Scan the landscape of IoT technologies that span everything from sensors to the cloud and everything in between See the trade-offs in choices of protocols and communications in IoT deployments Build a repertoire of skills

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and the vernacular necessary to work in the IoT space Broaden your skills in multiple engineering domains necessary for the IoT architect Who this book is for This book is for architects, system designers, technologists, and technology managers who want to understand the IoT ecosphere, various technologies, and tradeoffs and develop a 50,000-foot view of IoT architecture.

**Emergency Care and  
Transportation of the Sick and  
Injured** Apress

Now in its third edition, this classic book is widely considered the leading text on Bayesian methods, lauded for its accessible, practical approach to analyzing data and solving research problems.

Bayesian Data Analysis, Third Edition continues to take an applied approach to analysis using up-to-date Bayesian methods. The authors—all leaders in the statistics community—introduce basic concepts from a data-analytic perspective before presenting advanced methods. Throughout the text, numerous worked examples drawn from real applications and research emphasize the use of Bayesian inference in practice. New to the Third Edition Four new chapters on nonparametric modeling Coverage of weakly informative priors and boundary-avoiding priors Updated

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discussion of cross-validation and predictive information criteria Improved convergence monitoring and effective sample size calculations for iterative simulation Presentations of Hamiltonian Monte Carlo, variational Bayes, and expectation propagation New and revised software code The book can be used in three different ways. For undergraduate students, it introduces Bayesian inference starting from first principles. For graduate students, the text presents effective current approaches to Bayesian modeling and computation in statistics and related fields. For researchers, it provides an assortment of Bayesian methods in applied statistics. Additional materials, including data sets used in the examples, solutions to selected exercises, and software instructions, are available on the book's web page.

Nancy Caroline's Emergency Care in the Streets CRC Press

Think back to a time when paramedics didn't exist. When "drivers" simply brought injured patients to the hospital. When the EMS industry was in its infancy. A time before Nancy Caroline.

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Dr. Caroline's work transformed EMS and the entire paramedic field. She created the first national standard curriculum for paramedic training in the United States. She also wrote the first paramedic textbook: *Emergency Care in the Streets*. The impact that Dr. Caroline had on EMS and health care spanned across the U.S. and abroad. From establishing EMS systems to training paramedics, to providing better nourishment and health care for orphans, her work had a profound impact on humanity. Throughout her life, Dr. Caroline brought a sense of excitement, joy, and humor to her work. The American Academy of Orthopaedic Surgeons is proud to continue Dr. Caroline's legacy. Her sense of excitement and humor live on in this text, which is dedicated to her. The Sixth Edition honors Dr. Caroline's work with a clear, fun, understandable writing style for which she was known. Welcome back a familiar training companion to your classroom! Say hello to Sidney Sinus, AV Abe, and a cast of



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memorable characters and amusing anecdotes. Make learning for your students more fun!

Emergency Care and Transportation of the Sick and Injured Jones & Bartlett Publishers

Construct a robust end-to-end solution for analyzing and visualizing streaming data Real-time analytics is the hottest topic in data analytics today. In Real-Time Analytics: Techniques to Analyze and Visualize Streaming Data, expert Byron Ellis teaches data analysts technologies to build an effective real-time

analytics platform. This platform can then be used to make sense of the constantly changing data that is beginning to outpace traditional batch-based analysis platforms. The author is among a very few leading experts in the field. He has a prestigious background in research, development, analytics, real-time visualization, and Big Data streaming and is uniquely qualified to help you explore this revolutionary field. Moving from a description of the overall analytic architecture of real-time analytics to using specific tools to obtain

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targeted results, Real-Time Analytics leverages open source and modern commercial tools to construct robust, efficient systems that can provide real-time analysis in a cost-effective manner. The book includes: A deep discussion of streaming data systems and architectures Instructions for analyzing, storing, and delivering streaming data Tips on aggregating data and working with sets Information on data warehousing options and techniques Real-Time Analytics includes in-depth case studies for website analytics, Big Data, visualizing streaming and mobile

data, and mining and visualizing operational data flows. The book's "recipe" layout lets readers quickly learn and implement different techniques. All of the code examples presented in the book, along with their related data sets, are available on the companion website.

*Statistics and Data Visualization Using R* National Academies Press  
Fundamentals of Human Resource Management: Functions, Applications, and Skill Development, Third Edition helps students of all majors build the skills they need to recruit, select, train, and develop people. Bestselling authors Robert N.

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Lussier and John R. Hendon explore Publishers the important strategic function HR For more than 40 years, plays in today's organizations. A Computerworld has been the wide variety of applications, leading source of technology online self-assessments, and news and information for IT experiential exercises keep influencers worldwide. students engaged and help them see Computerworld's award-winning the relevancy of HR as they learn Web site (Computerworld.com), skills they can use in their twice-monthly publication, personal and professional lives. focused conference series and The Third Edition includes 13 new custom research form the hub of case studies and new coverage of the world's largest global IT virtual and flexible work resulting media network. from the COVID-19 pandemic, the Human Resource Management SAGE long-lasting effects the pandemic Publications has had on women in the workforce, The story of how a new artificial intelligence use within generation of tech-savvy HR, and diversity and inclusion. franchise owners is reshaping every aspect of professional

**AEMT: Advanced Emergency Care and Transportation of the Sick and Injured** Jones & Bartlett

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sports. In the last two decades, innovation, data analysis, and technology have driven a tectonic shift in the sports business. Game of Edges is the story of how sports franchises evolved, on and off the field, from raggedly run small businesses into some of the most systematically productive companies around. In today's game, everyone from the owners to the marketing staff are using information—data—to give their team an edge. For analysts, an edge is their currency. Figuring out that bunting hurts your offense? That's an edge. So is discovering metrics that can predict the career arc of your free agent shooting guard. Or combing through a decade of ticket-buying data to target persuadable fans. These small, incremental steps move a sports franchise from merely ordinary to the leading edge. Franchises today are more than just sports; they integrate a whole suite of other businesses—television and digital content, gambling and real estate, fashion and apparel, entertainment, catering and concessions, and much more. But an optimized franchise has no room for error. Teams must do what the numbers say, reducing the element of chance, limiting

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those random moments of athletic heroism that make sports thrilling to watch. Optimization also means the franchise's main goal isn't championships anymore; it's keeping you, the viewer, engaged with the product. Drawing on extensive interviews with franchise owners, general managers, executives, and players, Bruce Schoenfeld introduces dynamic leaders who are radically reimagining the operations of these decades-old teams—and producing mind-boggling valuations. He joins the architects of the Golden State Warriors dynasty for an exclusive reception before tip-off. He stands among the faithful at Anfield, watching Liverpool's analytics guru size up a prized midfielder. And he watches the president of the Chicago Cubs break ground on a new DraftKings gambling parlor at Wrigley Field, not ten miles from the site of the original Black Sox betting scandal. Essential reading for anyone interested in sports, business, or technology, *Game of Edges* explores a world where winning the game is only the beginning. *Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies* China Books

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Utilize R to uncover hidden patterns in your Big Data About This Book Perform computational analyses on Big Data to generate meaningful results Get a practical knowledge of R programming language while working on Big Data platforms like Hadoop, Spark, H2O and SQL/NoSQL databases, Explore fast, streaming, and scalable data analysis with the most cutting-edge technologies in the market Who This Book Is For This book is intended for Data Analysts, Scientists, Data Engineers, Statisticians, Researchers, who want to integrate R with their current or future Big Data workflows. It is assumed that readers have some experience in data analysis and understanding of data management and algorithmic processing of large quantities of data, however they may lack specific skills related to R. What You Will Learn Learn about current state of Big Data processing using R programming language and its powerful statistical capabilities Deploy Big Data analytics platforms with selected Big Data tools supported by R in a cost-effective and time-saving manner Apply the R language to real-world Big Data problems on a multi-node Hadoop cluster, e.g. electricity consumption across various socio-demographic indicators and bike share scheme usage Explore the compatibility of R with Hadoop, Spark, SQL and NoSQL databases, and H2O platform In Detail Big Data analytics is the process of

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examining large and complex data sets that often exceed the computational capabilities. R is a leading programming language of data science, consisting of powerful functions to tackle all problems related to Big Data processing. The book will begin with a brief introduction to the Big Data world and its current industry standards. With introduction to the R language and presenting its development, structure, applications in real world, and its shortcomings. Book will progress towards revision of major R functions for data management and transformations. Readers will be introduced to Cloud based Big Data solutions (e.g. Amazon EC2 instances and Amazon

RDS, Microsoft Azure and its HDInsight clusters) and also provide guidance on R connectivity with relational and non-relational databases such as MongoDB and HBase etc. It will further expand to include Big Data tools such as Apache Hadoop ecosystem, HDFS and MapReduce frameworks. Also other R compatible tools such as Apache Spark, its machine learning library Spark MLlib, as well as H2O. Style and approach This book will serve as a practical guide to tackling Big Data problems using R programming language and its statistical environment. Each section of the book will present you with concise and easy-to-follow steps on how to process, transform and analyse large data sets.

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## **Learning Analytics in R with SNA, LSA, and MPIA**

Jones & Bartlett Learning

Discover the breakthrough tool your company can use to make winning decisions This forward-thinking book addresses the emergence of predictive business analytics, how it can help redefine the way your organization operates, and many of the misconceptions that impede the adoption of this new management capability. Filled with case examples, Predictive Business Analytics defines ways in

which specific industries have applied these techniques and tools and how predictive business analytics can complement other financial applications such as budgeting, forecasting, and performance reporting. Examines how predictive business analytics can help your organization understand its various drivers of performance, their relationship to future outcomes, and improve managerial decision-making Looks at how to develop new insights and understand



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business performance based on actions.

extensive use of data, statistical and quantitative analysis, and explanatory and predictive modeling Written for senior financial professionals, as well as general and divisional senior management Visionary and effective, Predictive Business Analytics reveals how you can use your business's skills, technologies, tools, and processes for continuous analysis of past business performance to gain forward-looking insight and drive business decisions and

### **Internet of Things for Architects**

National Academies Press  
Accounting Information Systems, 1st Edition by Arline Savage, Danielle Brannock, and Alicja Foksinska presents a modern, professional perspective that develops the necessary skills students need to be the accountants of the future. Through high-quality assessment and integrated homework, students learn course concepts more efficiently and understand how course concepts are applied in the workplace through real-world application. Accounting Information Systems also focuses on helping students learn how to make informed business decisions

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through case-based learning and data analysis applications. Students work through Julia's Cookies, a flexible, running case that helps them understand how various systems come together to support a business, and how those systems evolve. Students also develop a critical thinking mindset by working through integrated analysis questions that take a tool agnostic approach, as well as Tableau cases so students can practice making real business decisions using leading technology. To further help prepare students to be the accountants of the future, the authors incorporate their own industry experience and help showcase how AIS concepts are used through resources including Sample

LinkedIn Job Posts and the Featured Professionals video series. These tools spotlight real accounting professionals and job opportunities, while connecting to chapter material, allowing student to see how what they're learning applies to business, as well as visualize the different paths AIS can take them.

### **Fundamentals of Human Resource Management**

Ballantine Books  
Healthcare Information Management Systems, 4th edition, is a comprehensive volume addressing the technical, organizational and management issues confronted

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by healthcare professionals in information technology can be the selection, implementation implemented efficiently to and management of healthcare yield results, yet they do not information systems. With overlook pitfalls, hurdles, contributions from experts in and other challenges that are the field, this book focuses encountered. Designed for use on topics such as strategic by physicians, nurses, nursing planning, turning a plan into and medical directors, reality, implementation, department heads, CEOs, CFOs, patient-centered technologies, CIOs, COOs, and healthcare privacy, the new culture of informaticians, the book aims patient safety and the future to be a indispensable of technologies in progress. reference.

With the addition of many new **Game of Edges: The Analytics Revolution and the Future of Professional Sports** Springer chapters, the 4th Edition is also richly peppered with case studies of implementation. The Regional health care databases are being established around the case studies are evidence that country with the goal of providing

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timely and useful information to policymakers, physicians, and patients. But their emergence is raising important and sometimes controversial questions about the collection, quality, and appropriate use of health care data. Based on experience with databases now in operation and in development, Health Data in the Information Age provides a clear set of guidelines and principles for exploiting the potential benefits of aggregated health data—without jeopardizing confidentiality. A panel of experts identifies characteristics of emerging health database organizations (HDOs). The committee explores how HDOs can maintain the quality of their data, what policies and practices they should adopt, how they can prepare for linkages with computer-based patient records, and how diverse groups from researchers to health care administrators might use aggregated data. Health Data in the Information Age offers frank analysis and guidelines that will be invaluable to anyone interested in the operation of health care databases.

Quotations from Chairman Mao Tsetung John Wiley & Sons

From the creator of the popular website Ask a Manager and New York's work-advice columnist comes a witty, practical guide to 200 difficult professional conversations—featuring all-new advice! There's a reason Alison

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Green has been called "the Dear Abby of the work world." Ten years as a workplace-advice columnist have taught her that people avoid awkward conversations in the office because they simply don't know what to say. Thankfully, Green does—and in this incredibly helpful book, she tackles the tough discussions you may need to have during your career. You'll learn what to say when • coworkers push their work on you—then take credit for it • you accidentally trash-talk someone in an email then hit "reply all" • you're being micromanaged—or not being managed at all • you catch a colleague in a lie • your boss seems unhappy with your work • your cubemate's loud speakerphone is making you homicidal • you got drunk at the holiday party

Praise for *Ask a Manager* "A must-read for anyone who works . . . [Alison Green's] advice boils down to the idea that you should be professional (even when others are not) and that communicating in a straightforward manner with candor and kindness will get you far, no matter where you work."—Booklist (starred review) "The author's friendly, warm, no-nonsense writing is a pleasure to read, and her advice can be widely applied to relationships in all areas of readers' lives. Ideal for anyone new to the job market or new to management, or anyone hoping to improve their work experience."—Library Journal (starred review) "I am a huge fan

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of Alison Green's Ask a Manager column. This book is even better. It teaches us how to deal with many of the most vexing big and little problems in our workplaces—and to do so with grace, confidence, and a sense of humor."—Robert Sutton, Stanford professor and author of The No Asshole Rule and The Asshole Survival Guide "Ask a Manager is the ultimate playbook for navigating the traditional workforce in a diplomatic but firm way."—Erin Lowry, author of Broke Millennial: Stop Scraping By and Get Your Financial Life Together

**Biostatistics** "O'Reilly Media, Inc."

Navigate 2 Essentials Access unlocks a complete audio book, Assessment Center, and dashboard that reports actionable data. Experience Navigate 2 today at [www.jblnavigate.com/2](http://www.jblnavigate.com/2). Based on the new National EMS Education Standards for Advanced Emergency Medical Technician, the third edition of Advanced Emergency Care and Transportation of the Sick and Injured offers complete coverage of every competency statement with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. New

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cognitive and didactic material is presented, along with new skills and features, to create an innovative AEMT training solution. Topics including advanced pathophysiology, acid-base balance, fluids and electrolytes, intravenous therapy, intraosseous access, blood glucose monitoring, and administration of AEMT-level medications tailor this textbook to the Advanced EMT level. Additional online skills allow this textbook to be customized for every AEMT training program's unique

needs. The third edition now includes: New Pathophysiology chapter Increased coverage of pharmacology Stronger emphasis on critical thinking throughout text Evidence-Based Recommendations and Protocols Medicine is constantly changing and prehospital medicine varies across states and regions. The content of the Third Edition reflects the guidance and recommendations of its extremely experienced authors and its team of Medical Editors from the AAOS. Where possible, content is based on evidence, such as

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data from the field and studies published in the medical literature. Current, State-of-the-Art Medical Content The Third Edition meets and exceeds the National EMS Education Standards for the AEMT level, but the content also reflects the National Model EMS Clinical Guidelines (NASEMSO), the National Registry Skill Sheets, and Prehospital Trauma Life Support, Eighth Edition, from NAEMT and American College of Surgeons' Committee on Trauma. Last but not least, this fully updated edition	addresses the 2015 ECC and CPR Guidelines. Strong Application to Real-World EMS Through evolving patient case studies in each chapter, the Third Edition gives students a genuine context for the application of knowledge. This approach makes it clear how all of this new information will be used to help patients in the field. Opportunities to apply knowledge equip students to ultimately become better providers. Progressive case studies are followed by a comprehensive summary that answers the critical thinking
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questions raised throughout the case. The You are the Provider cases conclude with a Patient Care Report, showing the student exactly how the presented case would be documented.

**Ask a Manager** W. W. Norton & Company

Derive useful insights from your data using Python. You will learn both basic and advanced concepts, including text and language syntax, structure, and semantics. You will focus on algorithms and techniques, such as text classification, clustering, topic modeling, and text summarization. Text Analytics with Python teaches you the techniques related to

natural language processing and text analytics, and you will gain the skills to know which technique is best suited to solve a particular problem. You will look at each technique and algorithm with both a bird's eye view to understand how it can be used as well as with a microscopic view to understand the mathematical concepts and to implement them to solve your own problems. What You Will Learn: Understand the major concepts and techniques of natural language processing (NLP) and text analytics, including syntax and structure Build a text classification system to categorize news articles, analyze app or game reviews using topic modeling and text summarization, and cluster

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popular movie synopses and analyze the sentiment of movie reviews  
Implement Python and popular open source libraries in NLP and text analytics, such as the natural language toolkit (nlTK), gensim, scikit-learn, spaCy and Pattern Who This Book Is For : IT professionals, analysts, developers, linguistic experts, data scientists, and anyone with a keen interest in linguistics, analytics, and generating insights from textual data  
The Data Science Design Manual  
Packt Publishing Ltd  
Turn your R code into packages that others can easily download and use. This practical book shows you how to bundle reusable R functions, sample data, and documentation together by applying author Hadley Wickham's package development philosophy. In the process, you'll work with devtools, roxygen, and testthat, a set of R packages that automate common development tasks. Devtools encapsulates best practices that Hadley has learned from years of working with this programming language. Ideal for developers, data scientists, and programmers with various backgrounds, this book starts you with the basics and shows you how to improve your package writing over time. You'll learn to focus on what you want your package to do, rather than think about package structure. Learn about the most useful components of an R package,

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including vignettes and unit tests comprehensive content with an  
Automate anything you can, taking unparalleled suite of digital  
advantage of the years of resources to fully empower  
development experience embodied in AEMT students and educators.  
devtools Get tips on good style,  
such as organizing functions into  
files Streamline your development  
process with devtools Learn the  
best way to submit your package to  
the Comprehensive R Archive Network  
(CRAN) Learn from a well-respected  
member of the R community who  
created 30 R packages, including  
ggplot2, dplyr, and tidyr

*Accounting Information  
Systems* IGI Global  
The all-new Fourth Edition of  
Advanced Emergency Care and  
Transportation of the Sick  
and Injured combines