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Children's health has made tremendous strides over the past century. In general, life expectancy has increased by more than thirty years since 1900 and much of this improvement is due to the reduction of infant and early childhood mortality. Given this trajectory toward a healthier childhood, we begin the 21st-century with a shocking development—"an epidemic of obesity in children and youth. The increased number of obese children throughout the U.S. during the past 25 years has led policymakers to rank it as one of the most critical public health threats of the 21st-century. Preventing Childhood Obesity provides a broad-based examination of the nature, extent, and consequences of obesity in U.S. children and youth, including the social, environmental, medical, and dietary factors responsible for its increased prevalence. The book also offers a prevention-oriented action plan that identifies the most promising array of short-term and longer-term interventions, as well as recommendations for the roles and responsibilities of numerous stakeholders in various sectors of society to reduce its future occurrence. Preventing Childhood Obesity explores the underlying causes of this serious health problem and the actions needed to initiate, support, and sustain the societal and lifestyle changes that can reverse the trend among our children and youth. Leverage the power of the popular Jupyter notebooks to simplify your data science tasks without any hassle Key Features Create and share interactive

documents with live code, text and visualizations Integrate popular programming languages such as Python, R, Julia, Scala with Jupyter Develop your widgets and interactive dashboards with these innovative recipes Book Description Jupyter has garnered a strong interest in the data science community of late, as it makes common data processing and analysis tasks much simpler. This book is for data science professionals who want to master various tasks related to Jupyter to create efficient, easy-to-share, scientific applications. The book starts with recipes on installing and running the Jupyter Notebook system on various platforms and configuring the various packages that can be used with it. You will then see how you can implement different programming languages and frameworks, such as Python, R, Julia, JavaScript, Scala, and Spark on your Jupyter Notebook. This book contains intuitive recipes on building interactive widgets to manipulate and visualize data in real time, sharing your code, creating a multi-user environment, and organizing your notebook. You will then get hands-on experience with Jupyter Labs, microservices, and deploying them on the web. By the end of this book, you will have taken your knowledge of Jupyter to the next level to perform all key tasks associated with it. What you will learn Install Jupyter and configure engines for Python, R, Scala and more Access and retrieve data on Jupyter Notebooks Create interactive visualizations and dashboards for different scenarios Convert and share your dynamic codes using HTML, JavaScript, Docker, and more Create custom user data interactions using various Jupyter widgets Manage user authentication and file permissions Interact with Big Data to perform numerical computing and statistical modeling Get familiar with Jupyter's next-gen user interface - JupyterLab Who this book is for This cookbook is for data science professionals, developers, technical data analysts, and

programmers who want to execute technical coding, visualize output, and do scientific computing in one tool. Prior understanding of data science concepts will be helpful, but not mandatory, to use this book. Growing up on either side of the Iron Curtain, Alexei Leonov and David Scott shared the same dream -- to become a pilot. Excelling at flying, they became elite fighter pilots, and were chosen by their countries' burgeoning space programmes to be part of the greatest technological race ever -- to land a man on the moon. Cosmonaut Alexei Leonov became the first man to walk in space. It was a feat that won him a place in history, but almost cost him his life. A year later, in 1966, astronauts David Scott and Neil Armstrong were seconds away from dying as their spacecraft, Gemini 8, spun violently out of control across space. Both men survived against dramatic odds and went on to fly their own lunar missions: Armstrong to command Apollo 11 and Scott to command the most complex expedition in the history of exploration, Apollo 15. Spending three days on the moon, Scott became the seventh man to walk on its breathtaking surface. Marking a new age of US/USSR co-operation, the Apollo Soyuz Test Project brought Scott and Leonov together, finally ending the Cold War silence and building a friendship that would last for decades. Peopled by larger-than-life heroes and villains, charged with towering questions of good and evil, *Atlas Shrugged* is Ayn Rand's magnum opus: a philosophical revolution told in the form of an action thriller—nominated as one of America's best-loved novels by PBS's *The Great American Read*. Who is John Galt? When he says that he will stop the motor of the world, is he a destroyer or a liberator? Why does he have to fight his battles not against his enemies but against those who need him most? Why does he fight his hardest battle against the woman he loves? You will know the answer to these questions when

you discover the reason behind the baffling events that play havoc with the lives of the amazing men and women in this book. You will discover why a productive genius becomes a worthless playboy...why a great steel industrialist is working for his own destruction...why a composer gives up his career on the night of his triumph...why a beautiful woman who runs a transcontinental railroad falls in love with the man she has sworn to kill. *Atlas Shrugged*, a modern classic and Rand's most extensive statement of Objectivism—her groundbreaking philosophy—offers the reader the spectacle of human greatness, depicted with all the poetry and power of one of the twentieth century's leading artists. This biographical dictionary presents a stellar lineup of talented, versatile character actors who regularly appeared in horror and science fiction films during Hollywood's golden age. Many are well known by genre buffs and casual fans—they include Lionel Atwill, John Carradine, Dwight Frye, Rondo Hatton, Dick Miller, J. Carroll Naish, Maria Ouspenskaya, Glenn Strange, Edward Van Sloan, and George Zucco. Some are perhaps not so well known but equally at home in the horror and science fiction films—such as Anthony Carbone, Harry Cording, Rosemary La Planche, Dick Purcell, Elizabeth Russell and Mel Welles. The 96 entries are complete with a biography and in-depth analyses of the actor's best performances—demonstrating how important these personalities were to the success of their genre films. The Washington Information Directory is the essential one-stop source for information on U.S. governmental and nongovernmental agencies and organizations. This thoroughly researched guide provides capsule descriptions that help users quickly and easily find the right person at the right organization. The Washington Information Directory offers three easy ways to find information: by name, by organization, and through detailed subject indexes.

The volume is topically organized, and within the taxonomic structure the relevant organizations are listed not only with contact information but with a brief paragraph describing what the organization (whether government or nongovernmental) does related to that topic. It is focused on Washington—an organization must have an office in Washington to be listed. It also includes dozens of resource boxes on particular topics and organization charts for federal agencies and NGOs. With more than 10,000 listings and coverage of the new presidential administration, the 2017–2018 Edition features contact information for the following:

- 115th Congress and federal agencies
- Nongovernmental organizations
- Policy groups, foundations, and institutions
- Governors and other state officials
- U.S. ambassadors and foreign diplomats
- Congressional caucuses

The R language is a powerful open source functional programming language. At its core, R is a statistical programming language that provides impressive tools to analyze data and create high-level graphics. This book covers the basics of R by setting up a user-friendly programming environment and performing data ETL in R. Data exploration examples are provided that demonstrate how powerful data visualization and machine learning is in discovering hidden relationships. You will then dive into important machine learning topics, including data classification, regression, clustering, association rule mining, and dimension reduction. 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 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. Explore the power of Jupyter and start deploying it in various contexts with the help of this highly practical, up-to-date guide

**About This Book\*** Find an easy way to code, execute, document, and share your live code with this unique guide\* Learn to code efficient notebooks for interactive data analysis and deploy dashboards as web applications\* This example-rich guide teaches you how to use Jupyter kernels for the major players in data science-Python, R, and Julia

**Who This Book Is For**This book is for those who are already familiar with data analytics languages such as Python, Scala, or R. It will be particularly useful for those who have used Jupyter but want to take their data analytics skills to the next level by utilizing Jupyter and other data science tools.

**What you will learn\*** Understand all the functionalities of Jupyter Notebooks such as creating / sharing documents with code, equations, and visualizations\* Find out how to secure and share Notebooks\* Use Python, Scala, and R with multiple other packages and other web applications to build different data visualization platforms with Jupyter\* Create Jupyter Extensions to build new applications\* Develop code that is efficient and effective in the realm of data science / analysis\* Build interactive dashboards / widgets of Notebooks\* Improve the scalability and performance of Notebooks\* Use Jupyter for Machine Learning

**In Detail**Jupyter is a very popular web application that allows you to code, analyze vast amounts of data, and create visualization, text, and rich media in a single document that can be shared across people you wish to collaborate with. Initially designed and used for statistical

analysis and creating visualizations out of data, Jupyter Notebook has become so popular among data scientists that over 150,000 Jupyter Notebooks have been created on GitHub. This book will take you a step further with notebooks and help you to build multiple data analytics platforms using Jupyter and other data science tools. You'll learn different ways to engineer your data and analyze it for different purposes using multiple Jupyter Notebooks. You'll begin by setting up a data science environment to create and share Jupyter Notebooks. You'll learn to create Jupyter Notebooks to analyze simple to complex big datasets and visualize using python packages. Further on, you'll learn to capitalize on Python's flexibility and R's structured statistical packages to accelerate your data science investigations for real-world applications. Additionally, we'll cover techniques to scale an application using Jupyter extensions for Spark and other dynamic widgets. By the end of the book, you'll have gained mastery over creating and integrating multiple notebooks, being able to secure and optimize them to perform intuitive, iterative, and robust analytics. Getting started with data science doesn't have to be an uphill battle. This step-by-step guide is ideal for beginners who know a little Python and are looking for a quick, fast-paced introduction. Key Features Get up and running with the Jupyter ecosystem and some example datasets Learn about key machine learning concepts like SVM, KNN classifiers and Random Forests Discover how you can use web scraping to gather and parse your own bespoke datasets Book Description Get to grips with the skills you need for entry-level data science in this hands-on Python and Jupyter course. You'll learn about some of the most commonly used libraries that are part of the Anaconda distribution, and then explore machine learning models with real datasets to give you the skills and exposure you need for the real

world. We'll finish up by showing you how easy it can be to scrape and gather your own data from the open web, so that you can apply your new skills in an actionable context. What you will learn Get up and running with the Jupyter ecosystem and some example datasets Learn about key machine learning concepts like SVM, KNN classifiers, and Random Forests Plan a machine learning classification strategy and train classification, models Use validation curves and dimensionality reduction to tune and enhance your models Discover how you can use web scraping to gather and parse your own bespoke datasets Scrape tabular data from web pages and transform them into Pandas DataFrames Create interactive, web-friendly visualizations to clearly communicate your findings Who this book is for This book is ideal for professionals with a variety of job descriptions across large range of industries, given the rising popularity and accessibility of data science. You'll need some prior experience with Python, with any prior work with libraries like Pandas, Matplotlib and Pandas providing you a useful head start. INSTANT TOP 10 BESTSELLER \*New York Times \*USAToday \*Washington Post \*LA Times "Debunks the idea that aging inevitably brings infirmity and unhappiness and instead offers a trove of practical, evidence-based guidance for living longer and better." —Daniel H. Pink, author of When and Drive SUCCESSFUL AGING delivers powerful insights: • Debunking the myth that memory always declines with age • Confirming that "health span"—not "life span"—is what matters • Proving that sixty-plus years is a unique and newly recognized developmental stage • Recommending that people look forward to joy, as reminiscing doesn't promote health Levitin looks at the science behind what we all can learn from those who age joyously, as well as how to adapt our culture to take full advantage of older people's wisdom and experience.

Throughout his exploration of what aging really means, using research from developmental neuroscience and the psychology of individual differences, Levitin reveals resilience strategies and practical, cognitive enhancing tricks everyone should do as they age. Successful Aging inspires a powerful new approach to how readers think about our final decades, and it will revolutionize the way we plan for old age as individuals, family members, and citizens within a society where the average life expectancy continues to rise. Create your very own role playing game using the RPG Maker MV game development engine. You'll go through tutorials and exercises that will take you from installing the software to putting the final touches upon your first project. Beginning RPG Maker MV has been designed with the complete beginner in mind who has little to no experience with the engine. It includes full JavaScript code, replacing the old Ruby commands. Game design can be quite a daunting challenge, as it generally involves a large amount of programming know-how on top of having to plan everything out that makes a good game what it is. RPG Maker MV is an intuitive system that allows you to make your own game with a fraction of the effort otherwise required. Beginning RPG Maker MV equips you with the knowledge you need to use Enterbrain's newest role playing game development engine. Takes you from the start of a project to the completion of a small game. Provides a step-by-step process that will walk you through each stage of the creation process. Gives many helpful tips and tricks you can apply to your future endeavors with the engine. What You Will Learn Use switches and variables to affect the game world Populate your areas with non-player characters that serve a wide range of roles Use the database which serves as the backbone of RPG Maker MV Create dungeons with two types of enemy encounter Create fun and varied mini-games and side-quests

to serve as distractions from the main plot Write scripts using RPG Maker MV's Script Editor Who This Book is For Novices in game design who would like to learn how to use a simple, yet robust, game development engine. It's for those people who have little to no programming experience but would like to make an RPG.

If you are a data analyst who has a firm grip on some advanced data analysis techniques and wants to learn how to leverage the features of R, this is the book for you. You should have some basic knowledge of the R language and should know about some data science topics. This handy guide provides a color photograph of each Member of the House of Representatives and the Senate of the 114th Congress and details each Member's length of service, political party affiliation, and congressional district. The Pictorial Directory also contains pictures of the President, Vice President, and House and Senate officers and officials. Get started with Python for data analysis and numerical computing in the Jupyter notebook About This Book Learn the basics of Python in the Jupyter Notebook Analyze and visualize data with pandas, NumPy, matplotlib, and seaborn Perform highly-efficient numerical computations with Numba, Cython, and ipyparallel Who This Book Is For This book targets students, teachers, researchers, engineers, analysts, journalists, hobbyists, and all data enthusiasts who are interested in analyzing and visualizing real-world datasets. If you are new to programming and data analysis, this book is exactly for you. If you're already familiar with another language or analysis software, you will also appreciate this introduction to the Python data analysis platform. Finally, there are more technical topics for advanced readers. No prior experience is required; this book contains everything you need to know. What You Will Learn Install Anaconda and code in Python in the Jupyter Notebook Load and explore datasets

interactively Perform complex data manipulations effectively with pandas Create engaging data visualizations with matplotlib and seaborn Simulate mathematical models with NumPy Visualize and process images interactively in the Jupyter Notebook with scikit-image Accelerate your code with Numba, Cython, and IPython.parallel Extend the Notebook interface with HTML, JavaScript, and D3 In Detail Python is a user-friendly and powerful programming language. IPython offers a convenient interface to the language and its analysis libraries, while the Jupyter Notebook is a rich environment well-adapted to data science and visualization. Together, these open source tools are widely used by beginners and experts around the world, and in a huge variety of fields and endeavors. This book is a beginner-friendly guide to the Python data analysis platform. After an introduction to the Python language, IPython, and the Jupyter Notebook, you will learn how to analyze and visualize data on real-world examples, how to create graphical user interfaces for image processing in the Notebook, and how to perform fast numerical computations for scientific simulations with NumPy, Numba, Cython, and ipyparallel. By the end of this book, you will be able to perform in-depth analyses of all sorts of data. Style and approach This is a hands-on beginner-friendly guide to analyze and visualize data on real-world examples with Python and the Jupyter Notebook. Mythologies is the definitive edition of W.B. Yeats's folklore and early prose fiction, edited according to Yeats's final textual instructions. Its extensive annotation makes luminous Yeats's 'fibrous darkness', that 'matrix out of which everything has come', by comprehensively dealing with oral and written sources, abandoned and unpublished writings. The documentation is especially designed to acknowledge Yeats's strategies of self-allusion and the special role folkloric prose plays in relation to his

poetry, drama, autobiographical writings, speculative prose, essays and letters. Create and share livecode, equations, visualizations, and explanatory text, in both a single document and a web browser with Jupyter Key Features Learn how to use Jupyter 5.x features such as cell tagging and attractive table styles Leverage big data tools and datasets with different Python packages Explore multiple-user Jupyter Notebook servers Book Description The Jupyter Notebook allows you to create and share documents that contain live code, equations, visualizations, and explanatory text. The Jupyter Notebook system is extensively used in domains such as data cleaning and transformation, numerical simulation, statistical modeling, and machine learning. Learning Jupyter 5 will help you get to grips with interactive computing using real-world examples. The book starts with a detailed overview of the Jupyter Notebook system and its installation in different environments. Next, you will learn to integrate the Jupyter system with different programming languages such as R, Python, Java, JavaScript, and Julia, and explore various versions and packages that are compatible with the Notebook system. Moving ahead, you will master interactive widgets and namespaces and work with Jupyter in a multi-user mode. By the end of this book, you will have used Jupyter with a big dataset and be able to apply all the functionalities you've explored throughout the book. You will also have learned all about the Jupyter Notebook and be able to start performing data transformation, numerical simulation, and data visualization. What you will learn Install and run the Jupyter Notebook system on your machine Implement programming languages such as R, Python, Julia, and JavaScript with the Jupyter Notebook Use interactive widgets to manipulate and visualize data in real time Start sharing your Notebook with colleagues Invite your colleagues to work with you on the same



Notebook Organize your Notebook using Jupyter namespaces Access big data in Jupyter for dealing with large datasets using Spark Who this book is for Learning Jupyter 5 is for developers, data scientists, machine learning users, and anyone working on data analysis or data science projects across different teams. Data science professionals will also find this book useful for performing technical and scientific computing collaboratively. The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873) Some revision of public schooling history is necessary to challenge the dominant mythology that public schools were established on the grounds of values-neutrality. In fact, those responsible for the foundations of public education in Australia were sufficiently pragmatic to know that its success relied on its charter being in accord with public sentiment. Part of the pragmatism was in convincing those whose main experience of education had been through some form of church-based education that state-based education was capable of meeting the same ends. Hence, the documents of the 1870s and 1880s that contained the charters of the various state and territory systems witness to a breadth of vision about the scope of education. Beyond the standard goals of literacy and numeracy, education was said to be capable of assuring personal morality for each individual and a suitable citizenry for the soon-to-be new nation. As an instance, the NSW Public Instruction Act of 1880 (cf. NSW, 1912), under the rubric of “religious teaching”, stressed the need for students to be inculcated into the values

of their society, including understanding the role that religious values had played in forming that society's legal codes and social ethics. The notion, therefore, that public education is part of a deep and ancient heritage around values neutrality is mistaken and in need of serious revision. The evidence suggests that public education's initial conception was of being the complete educator, not only of young people's minds but of their inner character as well. Introduces general reference books, ready-reference guides, guides to manuscripts and dissertations, computer databases, and resources in rhetoric and composition. "Weird indeed, and not a little wonderful."—Nature In the 1980s and 1990s, in places where no one thought it possible, scientists found organisms they called extremophiles: lovers of extremes. There were bacteria in volcanic hydrothermal vents on the ocean floor, single-celled algae in Antarctic ice floes, and fungi in the cooling pools of nuclear reactors. But might there be life stranger than the most extreme extremophile? Might there be, somewhere, another kind of life entirely? In fact, scientists have hypothesized life that uses ammonia instead of water, life based not in carbon but in silicon, life driven by nuclear chemistry, and life whose very atoms are unlike those in life we know. In recent years some scientists have begun to look for the tamer versions of such life on rock surfaces in the American Southwest, in a "shadow biosphere" that might impinge on the known biosphere, and even deep within human tissue. They have also hypothesized more radical versions that might survive in Martian permafrost, in the cold ethylene lakes on Saturn's moon Titan, and in the hydrogen-rich atmospheres of giant planets in other solar systems. And they have imagined it in places off those worlds: the exotic ices in comets, the vast spaces between the stars, and—strangest of all—parallel universes. Distilling complex science in clear and lively

prose, David Toomey illuminates the research of the biological avant-garde and describes the workings of weird organisms in riveting detail. His chapters feature an unforgettable cast of brilliant scientists and cover everything from problems with our definitions of life to the possibility of intelligent weird life. With wit and understanding that will delight scientists and lay readers alike, Toomey reveals how our current knowledge of life forms may account for only a tiny fraction of what's really out there. Everyone has an opinion about whether or not Donald Trump colluded with the Russians to defeat Hillary Clinton in 2016. The number of actors involved is staggering, the events are complicated, and it's hard to know who or what to believe. *Spygate* bypasses opinion and brings facts together to expose the greatest political scandal in American history. Former Secret Service agent and NYPD police officer Dan Bongino joins forces with journalist D.C. McAllister to clear away fake news and show you how Trump's political opponents, both foreign and domestic, tried to sabotage his campaign and delegitimize his presidency. By following the names and connections of significant actors, the authors reveal:

- Why the Obama administration sent a spy connected to the Deep State into the Trump campaign
- How Russians were connected to the opposition research firm hired by the Clinton campaign to find dirt on Trump
- How the FBI failed to examine DNC computers after they were hacked, relying instead on the findings of a private company connected to the DNC and the Obama administration
- Why British intelligence played a role in building the collusion narrative
- What role Ukrainians played in legitimizing the perception that Trump was conspiring with the Russians
- How foreign players in the two events that kickstarted the Trump-Russia collusion investigation were connected to the Clinton Foundation, and
- What motivated the major actors

who sought to frame the Trump campaign and secure a win for Hillary Clinton This handbook deals with the question of how people can best live and work with others who come from very different cultural backgrounds. Handbook of Intercultural Training provides an overview of current trends and issues in the field of intercultural training. Contributors represent a wide range of disciplines including psychology, interpersonal communication, human resource management, international management, anthropology, social work, and education. Twenty-four chapters, all new to this edition, cover an array of topics including training for specific contexts, instrumentation and methods, and training design. Only one man, the Olympic Gold Medalist in the decathlon, is officially deemed the World's Greatest Athlete. As an orphan who has never met his biological parents, as a recovering alcoholic, as the subject of a timelessly infamous advertising campaign, as the athlete of maybe the most publicised and shocking failure in the history of sports, and as a man who persevered through it all to dominate his sport like few athletes ever have, it is no wonder Track & Field News calls Dan's life, the stuff movies are made of. Dan's meteoric rise to prominence saw him take the No.1 world ranking less than two years removed from his only college season, and he became an overnight celebrity when cast alongside Dave Johnson in Reebok's massive Dan & Dave ad campaign. The commercials debuted during the Super Bowl, but when O'Brien infamously failed to qualify for the Olympic team it was called the most shocking moment in U.S. Olympic history, and to this day ESPN ranks it as one of the all-time sports busts. Undeterred, O'Brien went on to capture his record-breaking fifth national championship in addition to a third consecutive world championship the first decathlete in history to do so. Then at the 1996 Olympics in Atlanta, with what seemed like an

entire country in his corner, O'Brien completed his tale of redemption by becoming the oldest decathlete to ever win an Olympic gold medal. Now, through the pages of this profoundly inspiring and fast-paced memoir, Dan will chronicle his extraordinary career. This book also offers a window into the world of the decathlon and an inside look at some of its most influential athletes. O'Brien offers an insiders view of some of the greatest Olympic decathletes -- of Bill Toomey the intellectual artist, Milt Campbell the most inspirational, and Bruce Jenner as the man most driven. Britain's policy towards Europe in the latter half of the twentieth century has been the subject of endless interest, scrutiny and debate. The European question has dominated foreign policy agendas from Churchill to Blair. This book seeks to further our knowledge of one of the most crucial periods for both Britain and Europe but also to enliven the debate concerning fundamental issues. Why, against a backdrop of the burgeoning 1960s, did the Labour Prime Minister, Harold Wilson, seek to replicate the path taken by his Conservative predecessor Harold Macmillan, and make an application to join the EEC? And why was he unable to succeed? These two questions are central to this study and their answers provide invaluable insights into the formulation, execution and fate of Britain's European policy during this period. Using newly released archival material in the National Archives and having consulted extensive interviews with many of the key political figures, Jane Toomey not only challenges old assumptions but also offers a new interpretation of Wilson's European diplomacy

Discover best practices for data analysis and software development in R and start on the path to becoming a fully-fledged data scientist. This book teaches you techniques for both data manipulation and visualization and shows you the best way for developing new software packages for R. Beginning Data Science in

R details how data science is a combination of statistics, computational science, and machine learning. You'll see how to efficiently structure and mine data to extract useful patterns and build mathematical models. This requires computational methods and programming, and R is an ideal programming language for this. This book is based on a number of lecture notes for classes the author has taught on data science and statistical programming using the R programming language. Modern data analysis requires computational skills and usually a minimum of programming.

**What You Will Learn**

- Perform data science and analytics using statistics and the R programming language
- Visualize and explore data, including working with large data sets found in big data
- Build an R package
- Test and check your code
- Practice version control
- Profile and optimize your code

**Who This Book Is For**

Those with some data science or analytics background, but not necessarily experience with the R programming language. Learn how to write object-oriented programs in R and how to construct classes and class hierarchies in the three object-oriented systems available in R. This book gives an introduction to object-oriented programming in the R programming language and shows you how to use and apply R in an object-oriented manner. You will then be able to use this powerful programming style in your own statistical programming projects to write flexible and extendable software. After reading *Advanced Object-Oriented Programming in R*, you'll come away with a practical project that you can reuse in your own analytics coding endeavors. You'll then be able to visualize your data as objects that have state and then manipulate those objects with polymorphic or generic methods. Your projects will benefit from the high degree of flexibility provided by polymorphism, where the choice of concrete method to execute depends on the type of data being manipulated. What

You'll Learn Define and use classes and generic functions using R Work with the R class hierarchies Benefit from implementation reuse Handle operator overloading Apply the S4 and R6 classes Who This Book Is For Experienced programmers and for those with at least some prior experience with R programming language. /div This book provides a broad and nuanced overview of the achievements and legacy of Professor William (“Bill”) Goddard in the field of computational materials and molecular science. Leading researchers from around the globe discuss Goddard’s work and its lasting impacts, which can be seen in today’s cutting-edge chemistry, materials science, and biology techniques. Each section of the book closes with an outline of the prospects for future developments. In the course of a career spanning more than 50 years, Goddard’s seminal work has led to dramatic advances in a diverse range of science and engineering fields. Presenting scientific essays and reflections by students, postdoctoral associates, collaborators and colleagues, the book describes the contributions of one of the world’s greatest materials and molecular scientists in the context of theory, experimentation, and applications, and examines his legacy in each area, from conceptualization (the first mile) to developments and extensions aimed at applications, and lastly to de novo design (the last mile). Goddard’s passion for science, his insights, and his ability to actively engage with his collaborators in bold initiatives is a model for us all. As he enters his second half-century of scientific research and education, this book inspires future generations of students and researchers to employ and extend these powerful techniques and insights to tackle today’s critical problems in biology, chemistry, and materials. Examples highlighted in the book include new materials for photocatalysts to convert water and CO<sub>2</sub> into fuels, novel catalysts for the highly

selective and active catalysis of alkanes to valuable organics, simulating the chemistry in film growth to develop two-dimensional functional films, and predicting ligand–protein binding and activation to enable the design of targeted drugs with minimal side effects. Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results In this volume, Ting-Toomey and Oetzel accomplish two objectives: to explain the culture-based situational conflict model, including the relationship among conflict, ethnicity, and culture; and, second, integrate theory and practice in the discussion of interpersonal conflict in culture, ethnic, and gender contexts. While the book is theoretically directed, it is also a down-to-earth practical book that contains ample examples, conflict dialogues, and critical incidents. Managing Intercultural Conflict Effectively helps to



illustrate the complexity of intercultural conflict interactions and readers will gain a broad yet integrative perspective in assessing intercultural conflict situations. The book is a multidisciplinary text that draws from the research work of a variety of disciplines such as cross-cultural psychology, social psychology, sociology, marital and family studies, international management, and communication. This book contains the proceedings of the First International Conference on Humanities, Education, Language and Culture (ICHELAC 2021). Where held on 30th – 31st July 2021 in Ruteng, Flores, Indonesia. This conference was organized by Faculty of Teacher Training and Educational Sciences of the Universitas Katolik Indonesia Santu Paulus Ruteng. The papers in this conference were collected in a proceedings book entitled: Proceedings of the First International Conference on Humanities, Education, Language and Culture (ICHELAC 2021). The presentation of such a multi-discipline conference provides a lot of exciting insights and new understanding on recent issues in terms of Humanities, Education, Language, and Culture. Referring to the argument, this conference would serve as a valuable reference for future relevant research activities. The committee acknowledges that the successful of this conference are closely intertwined by the contributions from various stakeholders. As being such, we would like to express our heartfelt appreciation to the keynote speakers, invited speakers, paper presenters, and participants for their enthusiastic support in joining the First International Conference on Humanities, Education, Language, and Culture. We are convinced that the contents of the study from various papers are not only encouraged productive discussion among presenters and participants but also motivate further research in the relevant subject. We appreciate for your enthusiasm to attend our conference and share your knowledge and

experience. Your input was important in ensuring the success of our conference. Finally, we hope that this conference serves as a forum for learning in building togetherness and academic networks. Therefore, we expect to see you all at the next ICHELAC. The goal of Inventory Management will be to explain the dynamics of inventory management's principles, concepts, and techniques as they relate to the entire supply chain (customer demand, distribution, and product transformation processes). The interrelationships of all functions will be defined. The book concentrates on understanding the many ramifications of inventory management. In today's competitive business environment, inventory management has proven to be most critical, and this book is directed to the management of inventory to assist in better understanding the body of knowledge required to operate in a competitive world. Almost all functions such as sales, engineering, and accounting have an impact and are impacted by inventory management. The book will assist in the training of students as well as APICS CPIM (Certified in Production and Inventory Management) candidates. As such it will not only be a textbook, but also a desk reference for those employees responsible for controlling inventories, and thereby assist in reducing cost, improving customer service, and maximizing capacity. Each chapter concludes with a case study and suggested solution. The case studies tell the story of a growing company, Smith Industries, and the related inventory management problems it had to address. The problems addressed relate to the subject matter of the chapter. Written in a conversational style, this book introduces students to the foundations of intercultural communication, a vibrant discipline within the field. Authors Stella Ting-Toomey and Leeva Chung take a multicontextual, inclusive approach that balances international and intercultural communication issues against

U.S. domestic diversity issues. In addition to emphasizing a value-oriented perspective on intercultural encounters, the text contains a robust ethical chapter, complete with specific guidelines that will help students become ethical intercultural communicators. By integrating current empirical research with lively intercultural examples, the authors ask thought-provoking questions and pose ethical dilemmas for students to ponder. The text offers a sprawling treatment of such topics as ethnic and cultural identity change, culture shock and intercultural adjustment, romantic relationships and raising bicultural children, global identity challenges, and decision-making choices in intercultural ethics.

**NEW TO THIS EDITION:**

- \* Two new special features, Blog Pic and Blog Post, which update all the photos and poignant personal stories found throughout the first edition
- \* A greater focus on the impact of technology on intercultural communication message exchange processes
- \* An updated discussion of multiracial and biracial identity in Chapter 4
- \* Updates to the popular Jeopardy Boxes

**BL More than 250 new references**

- \* Live-chat, a special boxed feature, which emphasizes the importance of adaptive code-switching in managing intercultural misunderstanding via lively dialogue

**SUPPORT PACKAGE FOR INSTRUCTORS:** An Instructor's Manual / Test Bank that contains more than 500 pages of original exercises, activities, up-to-date media resources, classical and contemporary film lists, sample syllabi, and paper assignments. A password-protected Companion Website that features the Instructor's Manual, PowerPoint lecture slides, a Student Success Manual, and links to supplemental material and films. The Washington Information Directory is the essential one-stop source for information on U.S. governmental and nongovernmental agencies and organizations. Organized topically, this thoroughly researched guide provides capsule descriptions and contact

information that help users quickly and easily find the right person at the right organization. The Washington Information Directory offers three easy ways to find information: by name, by organization, and through detailed subject indexes. It focuses on the Washington metropolitan area—an organization must have an office in Washington to be listed. It also includes dozens of resource boxes on particular topics, organization charts for all federal agencies, and information about the FOIA and privacy legislation. With more than 10,000 listings and coverage of evolving presidential administration, the 2018–2019 Edition features contact information for the following: Congress and federal agencies Nongovernmental organizations Policy groups and political action committees Foundations and institutions Governors and other state officials U.S. ambassadors and foreign diplomats Congressional caucuses Washington Information Directory is the essential one-stop source for information on U.S. governmental and nongovernmental agencies and organizations. It provides capsule descriptions that help users quickly and easily find the right person at the right organization. Washington Information Directory offers three easy ways to find information: by name, by organization, and through detailed subject indexes. More than just a directory, it also includes reference boxes and organization charts. With more than 10,000 listings, the 2012–2013 edition of Washington Information Directory features contact information for: Congress and federal agencies Nongovernmental organizations Policy groups, foundations, and institutions Governors and other state officials U.S. ambassadors and foreign diplomats Washington Information Directory also features up-to-date contact information for the high-level advisory positions or “czar” appointed by President Obama that oversee: The auto industry Green energy Health-care Technology Stimulus accountability Spanning the entire

twentieth century, a collection of short stories, set against the backdrop of Appalachia, chronicles the struggle of rural communities with the changes of the modern world, capturing the collision between the Old and New South in the lives of the region's inhabitants. Original. 20,000 first printing. Learn how to write code, mathematics, graphics, and output, all in a single document, as well as in a web browser using Project Jupyter About This Book Learn to write, execute, and comment your live code and formulae all under one roof using this unique guide This one-stop solution on Project Jupyter will teach you everything you need to know to perform scientific computation with ease This easy-to-follow, highly practical guide lets you forget your worries in scientific application development by leveraging big data tools such as Apache Spark, Python, R etc Who This Book Is For This book caters to all developers, students, or educators who want to execute code, see output, and comment all in the same document, in the browser. Data science professionals will also find this book very useful to perform technical and scientific computing in a graphical, agile manner. What You Will Learn Install and run the Jupyter Notebook system on your machine Implement programming languages such as R, Python, Julia, and JavaScript with Jupyter Notebook Use interactive widgets to manipulate and visualize data in real time Start sharing your Notebook with colleagues Invite your colleagues to work with you in the same Notebook Organize your Notebook using Jupyter namespaces Access big data in Jupyter In Detail Jupyter Notebook is a web-based environment that enables interactive computing in notebook documents. It allows you to create and share documents that contain live code, equations, visualizations, and explanatory text. The Jupyter Notebook system is extensively used in domains such as data cleaning and transformation, numerical simulation, statistical modeling,

machine learning, and much more. This book starts with a detailed overview of the Jupyter Notebook system and its installation in different environments. Next we'll help you will learn to integrate Jupyter system with different programming languages such as R, Python, JavaScript, and Julia and explore the various versions and packages that are compatible with the Notebook system. Moving ahead, you master interactive widgets, namespaces, and working with Jupyter in a multiuser mode. Towards the end, you will use Jupyter with a big data set and will apply all the functionalities learned throughout the book.

**Style and approach** This comprehensive practical guide will teach you how to work with the Jupyter Notebook system. It demonstrates the integration of various programming languages with Jupyter Notebook through hands-on examples in every chapter. Get to grips with the basics of JupyterLab and its web interface with the help of this quick start guide

**Key Features** Manage JupyterLab kernels, code consoles, and terminals, and share your work over the cloud Organize your data solutions within JupyterLab Install and configure extensions on JupyterLab using easy-to-follow examples

**Book Description** JupyterLab is a web-based interface and the natural evolution of Jupyter Notebook. This guide will take you through the core commands and functionalities of JupyterLab and help you enhance your JupyterLab productivity. Starting with the installation of JupyterLab, this book will give you an overview of its features and the variety of problems it solves. You'll see how you can work with external files inside the platform, and understand how to use the code console and terminal. This will help you have distinct control over the scripts you work with. As you progress, you'll get to grips with the extensions available in JupyterLab, and gain insights into adding extensions to introduce new functionality in the interface. This book also covers widget

operations within your document, different design patterns in JupyterLab, and the various methods for exchanging Notebooks. Additionally, you'll explore how to host JupyterLab Notebooks on GitHub. By the end of this Jupyter book, you'll have become well-versed with all the components of JupyterLab and be able to use it collaboratively within your data science teams. What you will learn

Install JupyterLab and work with Jupyter Notebooks  
Host JupyterLab Notebooks on GitHub and access GitHub resources in your Notebooks  
Explore different methods for exchanging Notebooks  
Discover ways in which multiple users can access the same Notebook  
Publish your Notebooks with nbviewer and convert them into different formats  
Attach and operate widgets within your Notebooks using a JupyterLab document  
Use JupyterLab to work collaboratively with multiple data scientists in your teams  
Who this book is for  
This book is for data scientists and data analysts who are new to JupyterLab as well as for existing Jupyter users who want to get acquainted with its impressive features. Although not necessary, basic knowledge of Python will be helpful.

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