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KEY=SOURCE - ALLEN BYRON

Data Analysis with Open Source Tools A Hands-On Guide for Programmers and Data Scientists "O'Reilly Media, Inc." Collecting data is relatively easy, but turning raw information into something useful requires that you know how to extract precisely what you need. With this insightful book, intermediate to experienced programmers interested in data analysis will learn techniques for working with data in a business environment. You'll learn how to look at data to discover what it contains, how to capture those ideas in conceptual models, and then feed your understanding back into the organization through business plans, metrics dashboards, and other applications. Along the way, you'll experiment with concepts through hands-on workshops at the end of each chapter. Above all, you'll learn how to think about the results you want to achieve -- rather than rely on tools to think for you. Use graphics to describe data with one, two, or dozens of variables Develop conceptual models using back-of-the-envelope calculations, as well as scaling and probability arguments Mine data with computationally intensive methods such as simulation and clustering Make your conclusions understandable through reports, dashboards, and other metrics programs Understand financial calculations, including the time-value of money Use dimensionality reduction techniques or predictive analytics to conquer challenging data analysis situations Become familiar with different open source programming environments for data analysis "Finally, a concise reference for understanding how to conquer piles of data."--Austin King, Senior Web Developer, Mozilla "An indispensable text for aspiring data scientists."--Michael E. Driscoll, CEO/Founder, Dataspora Algorithmic Reason The New Government of Self and Other Oxford University Press This book outlines conceptual and methodological tools to understand how algorithmic operations shape the government of self and other. It offers a global transdisciplinary perspective, exploring controversies such as the Cambridge Analytica scandal in the UK, predictive policing in the US, and the use of facial recognition in China. Gnuplot in Action Understanding data with graphs Simon and Schuster Summary Gnuplot in Action, Second Edition is a major revision of this popular and authoritative guide for developers, engineers, and scientists who want to learn and use gnuplot effectively. Fully updated for gnuplot version 5, the book includes four pages of color illustrations and four bonus appendixes available in the eBook. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Gnuplot is an open-source graphics program that helps you analyze, interpret, and present numerical data. Available for Unix, Mac, and Windows, it is well-maintained, mature, and totally free. About the Book Gnuplot in Action, Second Edition is a major revision of this authoritative guide for developers, engineers, and scientists. The book starts with a tutorial introduction, followed by a systematic overview of gnuplot's core features and full coverage of gnuplot's advanced capabilities. Experienced readers will appreciate the discussion of gnuplot 5's features, including new plot types, improved text and color handling, and support for interactive, web-based display formats. The book concludes with chapters on graphical effects and general techniques for understanding data with graphs. It includes four pages of color illustrations. 3D graphics, false-color plots, heatmaps, and multivariate visualizations are covered in chapter-length appendixes available in the eBook. What's Inside Creating different types of graphs in detail Animations, scripting, batch operations Extensive discussion of terminals Updated to cover gnuplot version 5 About the Reader No prior experience with gnuplot is required. This book concentrates on practical applications of gnuplot relevant to users of all levels. About the Author Philipp K. Janert, PhD, is a programmer and scientist. He is the author of several books on data analysis and applied math and has been a gnuplot power user and developer for over 20 years. Table of Contents PART 1 GETTING STARTED Prelude: understanding data with gnuplot Tutorial: essential gnuplot The heart of the matter: the plot command PART 2 CREATING GRAPHS Managing data sets and files Practical matters: strings, loops, and history A catalog of styles Decorations: labels, arrows, and explanations All about axes PART 3 MASTERING TECHNICALITIES Color, style, and appearance Terminals and output formats Automation, scripting, and animation Beyond the defaults: workflow and styles PART 4 UNDERSTANDING DATA Basic techniques of graphical analysis Topics in graphical analysis Coda: understanding data with graphs D3 for the Impatient Interactive Graphics for Programmers and Scientists O'Reilly Media If you're in a hurry to learn D3.js, the leading JavaScript library for web-based graphics and visualization, this book is for you. Written for technically savvy readers with a background in programming or data science, the book moves quickly, emphasizing unifying concepts and patterns. Anticipating common difficulties, author Philipp K. Janert teaches you how to apply D3 to your own problems. Assuming only a general programming background, but no previous experience with contemporary web development, this book explains supporting technologies such as SVG, HTML5, CSS, and the DOM as needed, making it a convenient one-stop resource for a technical audience. Understand D3 selections, the library's fundamental organizing principle Learn how to create data-driven documents with data binding Create animated graphs and interactive user interfaces Draw figures with curves, shapes, and colors Use the built-in facilities for heatmaps, tree graphs, and networks Simplify your work by writing your own reusable components Feedback Control for Computer Systems Introducing Control Theory to Enterprise Programmers "O'Reilly Media, Inc." How can you take advantage of feedback control for enterprise programming? With this book, author Philipp K. Janert demonstrates how the same principles that govern cruise control in your car also apply to data center management and other enterprise systems. Through case studies and hands-on simulations, you'll learn methods to solve several control issues, including mechanisms to spin up more servers automatically when web traffic spikes. Feedback is ideal for controlling large, complex systems, but its use in software engineering raises unique issues. This book provides basic theory and lots of practical advice for programmers with no previous background in feedback control. Learn feedback concepts and controller design Get practical techniques for implementing and tuning controllers Use feedback "design patterns" for common control scenarios Maintain a cache's "hit rate" by automatically adjusting its size Respond to web traffic by scaling server instances automatically Explore ways to use feedback principles with queueing systems Learn how to control memory consumption in a game engine Take a deep dive into feedback control theory Feedback Control for Computer Systems Oreilly & Associates Incorporated How can you take advantage of feedback control for enterprise programming? With this book, author Philipp K. Janert demonstrates how the same principles that govern cruise control in your car also apply to data center management and other enterprise systems. Through case studies and hands-on simulations, you'll learn methods to solve several control issues, including mechanisms to spin up more servers automatically when web traffic spikes. Feedback is ideal for controlling large, complex systems, but its use in software engineering raises unique issues. This book provides basic theory and lots of practical advice for programmers with no previous background in feedback control. Learn feedback concepts and controller design Get practical techniques for implementing and tuning controllers Use feedback "design patterns" for common control scenarios Maintain a cache's "hit rate" by automatically adjusting its size Respond to web traffic by scaling server instances automatically Explore ways to use feedback principles with queueing systems Learn how to control memory consumption in a game engine Take a deep dive into feedback control theory D3-Praxisbuch Interaktive JavaScript-Grafiken im Browser dpunkt.verlag Der Standard für JavaScript-Grafiken Bringen Sie Ihre Daten ins Web! Erweitern Sie Ihren Werkzeugkasten um ein mächtiges Grafik-Tool. Schneller Praxiseinstieg in D3.js D3.js ist die führende JavaScript-Bibliothek für webbasierte Grafiken und Visualisierungen. Wenn Sie es eilig haben, D3.js zu lernen, ist dieses Buch genau das Richtige für Sie. Es ist kompakt gehalten und konzentriert sich auf Konzepte und Muster. Außerdem werden unterstützende Technologien wie SVG, HTML5, CSS und das DOM erklärt. Der Autor Philipp K. Janert zeigt Ihnen, wie Sie D3 auf Ihre eigenen Probleme anwenden können. Verstehen Sie die D3-Selections, das grundlegende Organisationsprinzip der Bibliothek. Erfahren Sie, wie Sie datengesteuerte Dokumente mit Datenbindung erstellen können. Erstellen Sie animierte Grafiken und interaktive Benutzeroberflächen. Zeichnen Sie Figuren mit Kurven, Formen und Farben. Verwenden Sie die integrierten Funktionen für Heatmaps, Baumdiagramme und Netzwerke. Vereinfachen Sie Ihre Arbeit, indem Sie Ihre eigenen wiederverwendbaren Komponenten schreiben. Pre-Incident Indicators of Terrorist Incidents The Identification of Behavioral, Geographic and Temporal Patterns of Preparatory Conduct DIANE Publishing This is a print on demand edition of a hard to find publication. Explores whether sufficient data exists to examine the temporal and spatial relationships that existed in terrorist group planning, and if so, could patterns of preparatory conduct be identified? About one-half of the terrorists resided, planned, and prepared for terrorism relatively close to their eventual target. The terrorist groups existed for 1,205 days from the first planning meeting to the date of the actual/planned terrorist incident. The planning process for specific acts began 2-3 months prior to the terrorist incident. This study examined selected terrorist groups/incidents in the U.S. from 1980-2002. It provides for the potential to identify patterns of conduct that might lead to intervention prior to the commission of the actual terrorist incidents. Illustrations. What Is Data Science? "O'Reilly Media, Inc." We've all heard it: according to Hal Varian, statistics is the next sexy job. Five years ago, in What is Web 2.0, Tim O'Reilly said that "data is the next Intel Inside." But what does that statement mean? Why do we suddenly care about statistics and about data? This report examines the many sides of data science -- the technologies, the companies and the unique skill sets. The web is full of "data-driven apps." Almost any e-commerce application is a data-driven application. There's a database behind a web front end, and middleware that talks to a number of other databases and data services (credit card processing companies, banks, and so on). But merely using data isn't really what we mean by "data science." A data application acquires its value from the data itself, and creates more data as a result. It's not just an application with data; it's a data product. Data science enables the creation of data products. The Hanging Stranger Read Books Ltd This early work by Philip K. Dick was originally published in 1953 and we are now republishing it with a brand new introductory biography. 'The Hanging Stranger' is a short story about a man who finds a dead stranger hanging from a lamp post and begins to realise that his town is not what he thought it was. Philip Kindred Dick was born on December 16 1928, in Chicago, Illinois. Dick and his family moved to the Bay Area of San Francisco when he was young, and later on to Washington DC following his parents divorce. Dick attended Elementary school and then a Quaker school before the family moved back to California. It was around this time that Dick began to take an active interest in the science fiction genre, reading his first magazine 'Stirring Science Stories', at age twelve. Dick married five times between 1959 and 1973, and had three children. He sold his first story in 1951 and from that point on he wrote full-time, selling his first novel in 1955. In addition to 44 published novels, Dick wrote an estimated 121 short stories, most of which appeared in science fiction magazines during his lifetime. In addition to 44 published novels, Dick wrote an estimated 121 short stories, most of which appeared in science fiction magazines during his lifetime. After his death, many of his stories made the transition to the big screen, with blockbuster films such as Blade Runner, Total Recall and Minority Report being based on his works. The Greenhouse Gas Protocol A Corporate Accounting and Reporting Standard World Resources Inst The GHG Protocol Corporate Accounting and Reporting Standard helps companies and other organizations to identify, calculate, and report GHG emissions. It is designed to set the standard for accurate, complete, consistent, relevant and transparent accounting and reporting of GHG emissions. Public History A Textbook of Practice Routledge The second edition of Public History: A Textbook of Practice offers an updated guide to the many opportunities and challenges that public history practitioners can encounter in the field. Historians can play a dynamic and essential role in contributing to public understanding of the past, and those who work in historic preservation, in museums and archives, in government agencies, as consultants, as oral historians, or who manage crowdsourcing projects need very specific skills. This book links theory and practice and provides students and practitioners with the tools to do public history in a wide range of settings. This new edition reflects how much the field of public history has changed in the past few years, with public history now being more established and international. New chapters have therefore been added on the definition, history, and international scope of public history, as well as on specific practices and theories such as historical fictions, digital public history, and shared authority. Split

into four sections, this textbook provides approaches, methodologies, and tools for historians and other public history practitioners to play a bigger role in public debates and public productions of historical interpretations: Part I focuses on the past, present, and future of public history. Part II explores public history sources, and offers an overview of the creation, collection, management, and preservation of materials (archives, material culture, oral history, or historical sites). Part III deals with the different ways in which public history practitioners can produce historical narratives through different media (including texts, fictions, audio-visual productions, exhibitions, and performances). Part IV discusses the opportunities and challenges that public history practitioners encounter when working with different collaborators. Whether in public history methods courses or as a resource for practicing public historians, this book lays the groundwork for making meaningful connections between historical sources and popular audiences. Planning Guide for Maintaining School Facilities Scarecrow Press This title is no longer available in print. However, please visit the NCES website at <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2003347> to view an electronic version of the text. As America's school buildings age, we face the growing challenge of maintaining the nation's education facilities at a level that enables our teachers to meet the needs of the 21st century learners. This tool has been developed to help readers better understand why and how to develop, implement, and evaluate a facilities maintenance plan. It focuses on: maintenance as a vital task in the responsible management of an education organization, the needs of an education audience, strategies and procedures for planning, implementing, and evaluating maintenance programs, a process to be followed, rather than a canned set of "one size fits all" solutions, and recommendations based on "best practices", rather than mandates. The document offers recommendations on the following important issues, which serve as chapter headings: Introduction to School Facilities Maintenance Planning Planning for School Facilities Maintenance Facilities Audits (Knowing What You Have) Providing a Safe Environment for Learning Maintaining School Facilities and Grounds Effectively Managing Staff and Contractors Evaluating Facilities Maintenance Efforts The 9/11 Commission Report Final Report of the National Commission on Terrorist Attacks Upon the United States. Authorized Edition W. W. Norton & Company Provides the final report of the 9/11 Commission detailing their findings on the September 11 terrorist attacks. It's Complicated The Social Lives of Networked Teens Yale University Press Surveys the online social habits of American teens and analyzes the role technology and social media plays in their lives, examining common misconceptions about such topics as identity, privacy, danger, and bullying. Social Science Research Principles, Methods, and Practices CreateSpace This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a stand-alone text or as a supplement to research readings in any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages. Geographic Citizen Science Design No one left behind UCL Press Little did Isaac Newton, Charles Darwin and other 'gentlemen scientists' know, when they were making their scientific discoveries, that some centuries later they would inspire a new field of scientific practice and innovation, called citizen science. The current growth and availability of citizen science projects and relevant applications to support citizen involvement is massive; every citizen has an opportunity to become a scientist and contribute to a scientific discipline, without having any professional qualifications. With geographic interfaces being the common approach to support collection, analysis and dissemination of data contributed by participants, 'geographic citizen science' is being approached from different angles. Geographic Citizen Science Design takes an anthropological and Human-Computer Interaction (HCI) stance to provide the theoretical and methodological foundations to support the design, development and evaluation of citizen science projects and their user-friendly applications. Through a careful selection of case studies in the urban and non-urban contexts of the Global North and South, the chapters provide insights into the design and interaction barriers, as well as on the lessons learned from the engagement of a diverse set of participants; for example, literate and non-literate people with a range of technical skills, and with different cultural backgrounds. Looking at the field through the lenses of specific case studies, the book captures the current state of the art in research and development of geographic citizen science and provides critical insight to inform technological innovation and future research in this area. Factfulness Ten Reasons We're Wrong About the World--and Why Things Are Better Than You Think Flatiron Books INSTANT NEW YORK TIMES BESTSELLER "One of the most important books I've ever read—an indispensable guide to thinking clearly about the world." - Bill Gates "Hans Rosling tells the story of 'the secret silent miracle of human progress' as only he can. But Factfulness does much more than that. It also explains why progress is so often secret and silent and teaches readers how to see it clearly." —Melinda Gates "Factfulness by Hans Rosling, an outstanding international public health expert, is a hopeful book about the potential for human progress when we work off facts rather than our inherent biases." - Former U.S. President Barack Obama Factfulness: The stress-reducing habit of only carrying opinions for which you have strong supporting facts. When asked simple questions about global trends—what percentage of the world's population live in poverty; why the world's population is increasing; how many girls finish school—we systematically get the answers wrong. So wrong that a chimpanzee choosing answers at random will consistently outguess teachers, journalists, Nobel laureates, and investment bankers. In Factfulness, Professor of International Health and global TED phenomenon Hans Rosling, together with his two long-time collaborators, Anna and Ola, offers a radical new explanation of why this happens. They reveal the ten instincts that distort our perspective—from our tendency to divide the world into two camps (usually some version of us and them) to the way we consume media (where fear rules) to how we perceive progress (believing that most things are getting worse). Our problem is that we don't know what we don't know, and even our guesses are informed by unconscious and predictable biases. It turns out that the world, for all its imperfections, is in a much better state than we might think. That doesn't mean there aren't real concerns. But when we worry about everything all the time instead of embracing a worldview based on facts, we can lose our ability to focus on the things that threaten us most. Inspiring and revelatory, filled with lively anecdotes and moving stories, Factfulness is an urgent and essential book that will change the way you see the world and empower you to respond to the crises and opportunities of the future. --- "This book is my last battle in my life-long mission to fight devastating ignorance...Previously I armed myself with huge data sets, eye-opening software, an energetic learning style and a Swedish bayonet for sword-swallowing. It wasn't enough. But I hope this book will be." Hans Rosling, February 2017. Investing in Cultural Diversity and Intercultural Dialogue UNESCO This report analyses all aspects of cultural diversity, which has emerged as a key concern of the international community in recent decades, and maps out new approaches to monitoring and shaping the changes that are taking place. It highlights, in particular, the interrelated challenges of cultural diversity and intercultural dialogue and the way in which strong homogenizing forces are matched by persistent diversifying trends. The report proposes a series of ten policy-oriented recommendations, to the attention of States, intergovernmental and non-governmental organizations, international and regional bodies, national institutions and the private sector on how to invest in cultural diversity. Emphasizing the importance of cultural diversity in different areas (languages, education, communication and new media development, and creativity and the marketplace) based on data and examples collected from around the world, the report is also intended for the general public. It proposes a coherent vision of cultural diversity and clarifies how, far from being a threat, it can become beneficial to the action of the international community. The SAGE Handbook of Qualitative Data Collection SAGE How we understand and define qualitative data is changing, with implications not only for the techniques of data analysis, but also how data are collected. New devices, technologies and online spaces open up new ways for researchers to approach and collect images, moving images, text and talk. The SAGE Handbook of Qualitative Data Collection systematically explores the approaches, techniques, debates and new frontiers for creating, collecting and producing qualitative data. Bringing together contributions from internationally leading scholars in the field, the handbook offers a state-of-the-art look at key themes across six thematic parts: Part I Charting the Routes Part II Concepts, Contexts, Basics Part III Types of Data and How to Collect Them Part IV Digital and Internet Data Part V Triangulation and Mixed Methods Part VI Collecting Data in Specific Populations Man and His Symbols Dell Explores Jung's psychological concepts regarding the nature, function and importance of man's symbols as they appear on both the conscious and subconscious level The Third Industrial Revolution How Lateral Power Is Transforming Energy, the Economy, and the World St. Martin's Press The Industrial Revolution, powered by oil and other fossil fuels, is spiraling into a dangerous endgame. The price of gas and food are climbing, unemployment remains high, the housing market has tanked, consumer and government debt is soaring, and the recovery is slowing. Facing the prospect of a second collapse of the global economy, humanity is desperate for a sustainable economic game plan to take us into the future. Here, Jeremy Rifkin explores how Internet technology and renewable energy are merging to create a powerful "Third Industrial Revolution." He asks us to imagine hundreds of millions of people producing their own green energy in their homes, offices, and factories, and sharing it with each other in an "energy internet," just like we now create and share information online. Rifkin describes how the five-pillars of the Third Industrial Revolution will create thousands of businesses, millions of jobs, and usher in a fundamental reordering of human relationships, from hierarchical to lateral power, that will impact the way we conduct commerce, govern society, educate our children, and engage in civic life. Rifkin's vision is already gaining traction in the international community. The European Union Parliament has issued a formal declaration calling for its implementation, and other nations in Asia, Africa, and the Americas, are quickly preparing their own initiatives for transitioning into the new economic paradigm. The Third Industrial Revolution is an insider's account of the next great economic era, including a look into the personalities and players — heads of state, global CEOs, social entrepreneurs, and NGOs — who are pioneering its implementation around the world. World Social Report 2020 Inequality in a Rapidly Changing World United Nations This report examines the links between inequality and other major global trends (or megatrends), with a focus on technological change, climate change, urbanization and international migration. The analysis pays particular attention to poverty and labour market trends, as they mediate the distributional impacts of the major trends selected. It also provides policy recommendations to manage these megatrends in an equitable manner and considers the policy implications, so as to reduce inequalities and support their implementation. Cochrane Handbook for Systematic Reviews of Interventions Wiley Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library (www.thecochranelibrary.com). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves. The Willpower Instinct How Self-Control Works, Why It Matters, and What You Can Do to Get More of It Penguin Based on Stanford University psychologist Kelly McGonigal's wildly popular course "The Science of Willpower," The Willpower Instinct is the first book to explain the science of self-control and how it can be harnessed to improve our health, happiness, and productivity. Informed by the latest research and combining cutting-edge insights from psychology, economics, neuroscience, and medicine, The Willpower Instinct explains exactly what willpower is, how it works, and why it matters. For example, readers will learn: • Willpower is a mind-body response, not a virtue. It is a biological function that can be improved through mindfulness, exercise, nutrition, and sleep. • Willpower is not an unlimited resource. Too much self-control can actually be bad for your health. • Temptation and stress hijack the brain's systems of self-control, but the brain can be trained for greater willpower • Guilt and shame over your setbacks lead to giving in again, but self-forgiveness and self-compassion boost self-control. • Giving up control is sometimes the only way to gain self-control. • Willpower failures are contagious—you can catch the desire to overspend or overeat from your friends—but you can also catch self-control from the right role models. In the groundbreaking tradition of Getting Things Done, The Willpower Instinct combines life-changing prescriptive advice and complementary exercises to help readers with goals ranging from losing weight to more patient parenting, less procrastination, better health, and greater productivity at work. The Psychosocial Implications of Disney Movies MDPI In this volume of 15 articles, contributors from a wide range of disciplines present their analyses of Disney movies and Disney music, which are mainstays of popular culture. The power of the Disney brand has heightened the need for academics to question whether Disney's films and music function as a tool of the Western elite that shapes the views of those less empowered. Given its global reach, how the Walt Disney Company handles the role of race, gender, and sexuality in

social structural inequality merits serious reflection according to a number of the articles in the volume. On the other hand, other authors argue that Disney productions can help individuals cope with difficult situations or embrace progressive thinking. The different approaches to the assessment of Disney films as cultural artifacts also vary according to the theoretical perspectives guiding the interpretation of both overt and latent symbolic meaning in the movies. The authors of the 15 articles encourage readers to engage with the material, showcasing a variety of views about the good, the bad, and the best way forward. Science as an Open Enterprise The Science as an open enterprise report highlights the need to grapple with the huge deluge of data created by modern technologies in order to preserve the principle of openness and to exploit data in ways that have the potential to create a second open science revolution. Exploring massive amounts of data using modern digital technologies has enormous potential for science and its application in public policy and business. The report maps out the changes that are required by scientists, their institutions and those that fund and support science if this potential is to be realised. Mapping Crime Principle and Practice State of the World's Indigenous Peoples United Nations Publications While indigenous peoples make up around 370 million of the world's population - some 5 per cent - they constitute around one-third of the world's 900 million extremely poor rural people. Every day, indigenous communities all over the world face issues of violence and brutality. Indigenous peoples are stewards of some of the most biologically diverse areas of the globe, and their biological and cultural wealth has allowed indigenous peoples to gather a wealth of traditional knowledge which is of immense value to all humankind. The publication discusses many of the issues addressed by the Declaration on the Rights of Indigenous Peoples and is a cooperative effort of independent experts working with the Secretariat of the Permanent Forum on Indigenous Issues. It covers poverty and well-being, culture, environment, contemporary education, health, human rights, and includes a chapter on emerging issues. The Sciences of the Artificial, third edition MIT Press Continuing his exploration of the organization of complexity and the science of design, this new edition of Herbert Simon's classic work on artificial intelligence adds a chapter that sorts out the current themes and tools—chaos, adaptive systems, genetic algorithms—for analyzing complexity and complex systems. There are updates throughout the book as well. These take into account important advances in cognitive psychology and the science of design while confirming and extending the book's basic thesis: that a physical symbol system has the necessary and sufficient means for intelligent action. The chapter "Economic Reality" has also been revised to reflect a change in emphasis in Simon's thinking about the respective roles of organizations and markets in economic systems. Research Methods For Business Students, 5/e Pearson Education India An Introduction to Language and Linguistics Cambridge University Press This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic, ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning, and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments. The Harvard Business Review Entrepreneur's Handbook Everything You Need to Launch and Grow Your New Business Harvard Business Press The one primer you need to develop your entrepreneurial skills. Whether you're imagining your new business to be the next big thing in Silicon Valley, a pivotal B2B provider, or an anchor in your local community, the HBR Entrepreneur's Handbook is your essential resource for getting your company off the ground. Starting an independent new business is rife with both opportunity and risk. And as an entrepreneur, you're the one in charge: your actions can make or break your business. You need to know the tried-and-true fundamentals—from writing a business plan to getting your first loan. You also need to know the latest thinking on how to create an irresistible pitch deck, mitigate risk through experimentation, and develop unique opportunities through business model innovation. The HBR Entrepreneur's Handbook addresses these challenges and more with practical advice and wisdom from Harvard Business Review's archive. Keep this comprehensive guide with you throughout your startup's life—and increase your business's odds for success. In the HBR Entrepreneur's Handbook you'll find: Step-by-step guidance through the entrepreneurial process Concise explanations of the latest research and thinking on entrepreneurship from Harvard Business Review contributors such as Marc Andreessen and Reid Hoffman Time-honed best practices Stories of real companies, from Airbnb to eBay You'll learn: Which skills and characteristics make for the best entrepreneurs How to gauge potential opportunities The basics of business models and competitive strategy How to test your assumptions—before you build a whole business How to select the right legal structure for your company How to navigate funding options, from venture capital and angel investors to accelerators and crowdfunding How to develop sales and marketing programs for your venture What entrepreneurial leaders must do to build culture and set direction as the business keeps growing HBR Handbooks provide ambitious professionals with the frameworks, advice, and tools they need to excel in their careers. With step-by-step guidance, time-honed best practices, real-life stories, and concise explanations of research published in Harvard Business Review, each comprehensive volume helps you to stand out from the pack—whatever your role. Autonomous Horizons The Way Forward Independently Published Dr. Greg Zacharias, former Chief Scientist of the United States Air Force (2015-18), explores next steps in autonomous systems (AS) development, fielding, and training. Rapid advances in AS development and artificial intelligence (AI) research will change how we think about machines, whether they are individual vehicle platforms or networked enterprises. The payoff will be considerable, affording the US military significant protection for aviators, greater effectiveness in employment, and unlimited opportunities for novel and disruptive concepts of operations. Autonomous Horizons: The Way Forward identifies issues and makes recommendations for the Air Force to take full advantage of this transformational technology. Killing Hope US Military and CIA Interventions Since World War II Is the United States a force for democracy? From 1940s China to Guatemala today, Blum presents a study of American covert and overt interference in the internal affairs of other countries. Each chapter of the book covers a year in which the author takes one particular country case and tells the story. The Informed Writer Using Sources in the Disciplines Houghton Mifflin College Division This book, offered here in its first open-access edition, addresses a wide range of writing activities and genres, from summarizing and responding to sources to writing the research paper and writing about literature. This edition of the book has been adapted from the fifth edition, published in 1995 by Houghton Mifflin. Copyrighted materials—primarily examples within the text—have been removed from this edition. Database Systems The Complete Book Pearson Higher Ed This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques. Understanding Media The Extensions of Man Createspace Independent Publishing Platform When first published, Marshall McLuhan's Understanding Media made history with its radical view of the effects of electronic communications upon man and life in the twentieth century. Essentials of Nursing Leadership and Management F A Davis Company This new edition focuses on preparing your students to assume the role as a significant member of the health-care team and manager of care, and is designed to help your students transition to professional nursing practice. Developed as a user-friendly text, the content and style makes it a great tool for your students in or out of the classroom. (Midwest). Strategic Management Concepts and Cases, Global Edition For undergraduate and graduate courses in strategy. In today's economy, gaining and sustaining a competitive advantage is harder than ever. Strategic Management captures the complexity of the current business environment and delivers the latest skills and concepts with unrivaled clarity, helping students develop their own cutting-edge strategy through skill-developing exercises. The Fifteenth Edition has been thoroughly updated and revised with current research and concepts. This edition includes 29 new cases and end-of- chapter material, including added exercises and review questions. MyManagementLab for Strategic Management is a total learning package. MyManagementLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams—resulting in better performance in the course—and provides educators a dynamic set of tools for gauging individual and class progress.