Data Analysis And Presentation Skills The Pwc Approach

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Encyclopedia of Data Science and Machine Learning - John Wang 2022
"This book examines current, state-of-the-art research in the areas of data science, machine learning, data mining, optimization, artificial intelligence, statistics, and the interactions, linkages, and applications of knowledge-based business with information

systems"--

Microsoft Excel Data Analysis and Business Modeling - Wayne L. Winston 2004-01

Provides an introduction to data analysis and business modeling using Microsoft Excel.

Reproducibility and Replicability in Science - National Academies of Sciences, Engineering, and Medicine 2019-10-20

One of the pathways by which the scientific community confirms the validity of a new scientific discovery is by repeating the research that produced it. When a scientific effort fails to independently confirm the computations or results of a previous study, some fear that it may be a symptom of a lack of rigor in science, while others argue that such an observed inconsistency can be an important precursor to new discovery. Concerns about reproducibility and replicability have been expressed in both scientific and popular media. As these concerns came to light, Congress requested that the National Academies of Sciences, Engineering, and Medicine conduct a study to assess the extent of issues related to reproducibility and replicability and to offer recommendations for improving rigor and transparency in scientific research. Reproducibility and Replicability in Science defines reproducibility and replicability and examines the factors that may lead to non-reproducibility and non-replicability in research. Unlike the typical expectation of reproducibility between two computations, expectations about replicability are more nuanced, and in some

cases a lack of replicability can aid the process of scientific discovery. This report provides recommendations to researchers, academic institutions, journals, and funders on steps they can take to improve reproducibility and replicability in science.

Presentations with PowerPoint - MOIRA Stephen 2007-06-07
This handy textbook covers all you need to know to get started using Powerpoint for presentations. Learning Made Simple books give you skills without frills. They are matched to the main qualifications, and written by experienced teachers and authors to make often tricky subjects simple to learn. Every book is designed carefully to provide bite-sized lessons matched to your needs. Learning Made Simple titles provide both a new colourful way to study and a useful adjunct to any training course. Using full colour throughout, and written by leading teachers and writers, Learning Made Simple books will help readers learn new skills and develop their talents. Whether studying at college, training at work, or reading at home, aiming for a qualification or simply getting up to speed, Learning Made Simple books will give you the advantage of easy, well-organised training materials in a handy volume with two or four-page sections for each topic for ease of use.

Artificial Intelligence in Accounting - Othmar M. Lehner 2022-08-05
Artificial intelligence (AI) and Big Data based applications in accounting and auditing

have become pervasive in recent years. However, research on the societal implications of the widespread and partly unregulated use of AI and Big Data in several industries remains scarce despite salient and competing utopian and dystopian narratives. This book focuses on the transformation of accounting and auditing based on AI and Big Data. It not only provides a thorough and critical overview of the status-quo and the reports surrounding these technologies, but it also presents a future outlook on the ethical and normative implications concerning opportunities, risks, and limits. The book discusses topics such as future, human-machine collaboration, cybernetic approaches to decision-making, and ethical guidelines for good corporate governance of AI-based algorithms and Big Data in accounting and auditing. It clarifies the issues surrounding the digital transformation in this arena, delineates its boundaries, and highlights the essential issues and debates within and concerning this rapidly developing field. The authors develop a range of analytic approaches to the subject, both appreciative and sceptical, and synthesise new theoretical constructs that make better sense of human-machine collaborations in accounting and auditing. This book offers academics a variety of new research and theory building on digital accounting and auditing from and for accounting and auditing scholars, economists,

organisations, and management academics and political and philosophical thinkers. Also, as a landmark work in a new area of current policy interest, it will engage regulators and policy makers, reflective practitioners, and media commentators through its authoritative contributions, editorial framing and discussion, and sector studies and cases.

Data Analytics in Project Management - Seweryn Spalek 2019-01-01

Data Analytics in Project Management. Data analytics plays a crucial role in business analytics. Without a rigid approach to analyzing data, there is no way to glean insights from it. Business analytics ensures the expected value of change while that change is implemented by projects in the business environment. Due to the significant increase in the number of projects and the amount of data associated with them, it is crucial to understand the areas in which data analytics can be applied in project management. This book addresses data analytics in relation to key areas, approaches, and methods in project management. It examines: • Risk management • The role of the project management office (PMO) • Planning and resource management • Project portfolio management • Earned value method (EVM) • Big Data • Software support • Data mining • Decision-making • Agile project management Data analytics in project management is of increasing importance and extremely challenging. There is rapid multiplication of data volumes, and, at

the same time, the structure of the data is more complex. Digging through exabytes and zettabytes of data is a technological challenge in and of itself. How project management creates value through data analytics is crucial. Data Analytics in Project Management addresses the most common issues of applying data analytics in project management. The book supports theory with numerous examples and case studies and is a resource for academics and practitioners alike. It is a thought-provoking examination of data analytics applications that is valuable for projects today and those in the future.

Storytelling with Data - Cole Nussbaumer Knaflic 2015-10-09

Don't simply show your data—tell a story with it! Storytelling with Data teaches you the fundamentals of data visualization and how to communicate effectively with data. You'll discover the power of storytelling and the way to make data a pivotal point in your story. The lessons in this illuminative text are grounded in theory, but made accessible through numerous real-world examples—ready for immediate application to your next graph or presentation. Storytelling is not an inherent skill, especially when it comes to data visualization, and the tools at our disposal don't make it any easier. This book demonstrates how to go beyond conventional tools to reach the root of your data, and how to use your data to create an engaging, informative, compelling story. Specifically, you'll learn how to:

Understand the importance of context and audience Determine the appropriate type of graph for your situation Recognize and eliminate the clutter clouding your information Direct your audience's attention to the most important parts of your data Think like a designer and utilize concepts of design in data visualization Leverage the power of storytelling to help your message resonate with your audience Together, the lessons in this book will help you turn your data into high impact visual stories that stick with your audience. Rid your world of ineffective graphs, one exploding 3D pie chart at a time. There is a story in your data—Storytelling with Data will give you the skills and power to tell it!

Future Skills in Education - Nina Golowko 2021-05-30

This book identifies central key factors for future-oriented teaching in Higher Education to support the task of ensuring the knowledge transfer for sustainable and competence-oriented employability to the future workforce. Through an innovative approach using machine-learning algorithms that employ the universities' own and extern databases as knowledge base, new perspectives for the development of competence-oriented curricula and study programmes in Higher Education are shown.

Fieldwork for Human Geography - Richard Phillips 2012-03-28

"A highly readable and superbly fun guide to the why and how of doing fieldwork in human geography... I recommend it highly to any geographer-wannabes and

practicing-geographers. The latter group, including myself, might well rediscover the fun of doing geography." - Professor Henry Yeung, National University of Singapore "An excellent introduction to the art and science of fieldwork. It makes clear that fieldwork is not just about getting out of the classroom and gaining first-hand experience of places, it is about instilling passion about those places." - Professor Stuart C. Aitken, San Diego State University "An indispensible guide to fieldwork that will enrich the practice of geography in a myriad of different ways. In particular, the diverse materials presented here will encourage students and academics alike to pursue new approaches to their work and instil a greater understanding of the conceptual and methodological breadth of their discipline." - Professor Matthew Gandy, University College London "If fieldwork is an indispensable component of geographical education then this book is equally essential to making the most of fieldwork...This book gives students the tools to realise the full potential of what, for many, is the highlight of their geography degree." - Professor Noel Castree, Manchester University Fieldwork is a core component of Human Geography degree courses. In this lively and engaging book, Richard Phillips and Jennifer Johns provide a practical guide to help every student get the most out of their fieldwork. This book: Encourages students to engage with fieldwork critically and imaginatively Explains

methods and contexts Links the fieldwork with wider academic topics. It looks beyond the contents of research projects and field visits to address the broader experiences of fieldwork: working in groups, understanding your ethical position, developing skills for learning and employment and opening your eyes, ears and minds to the wider possibilities of your trip. Throughout the book, the authors present first person descriptions of field experiences and predicaments, written by fieldtrip leaders and students from around the world including the UK, Canada, Singapore, Australia and Africa.

Secondary Data Analysis - Thomas P. Vartanian 2011

This slim volume is one of a number of excellent guides published as part of Oxford's "Pocket Guide to Social Work Research Methods" series. Compact but comprehensive, it provides a thorough introduction to one of the fastest-growing genres of research in the social work field today: secondary data analysis. After an all-too-brief summary of what constitutes this genre and a balanced analysis of its advantages and disadvantages, Vartanian (Bryn Mawr) provides guidelines for those considering the feasibility and appropriateness of using secondary data in their work. He then offers extensive summaries of 29 of the most commonly used secondary data sets. For all of the data sets, he provides a full and complete description, including key characteristics and where and how to access them. He also provides,

most valuably, citations to examples of how researchers have recently used them in their empirical work. Rather redundantly, a similar package of information appears in appendixes at the end of the book. This is an admirable contribution whose only detractions are the rather random and poorly identified screenshots and other "pictures" interspersed throughout the text. Those seriously considering using secondary data analysis in their research should find this book immensely beneficial. Summing Up: Highly recommended. Graduate students and faculty/researchers. Graduate Students; Researchers/Faculty. Reviewed by J. C. Altman.

Data Analytics for Accounting - Vernon J. Richardson 2018-05-23

Integrating Curricular and Co-Curricular Endeavors to Enhance Student Outcomes - Charles Wankel 2016-04-21

Integrating Curricular and Co-Curricular Endeavors to Enhance Student Outcomes reports on innovative approaches taken in universities in a number of nations of their experience in bringing together learning in courses with learning in co- and extracurricular activities.

The Greenhouse Gas Protocol - 2004

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.

The Anarchist Cookbook - William Powell 2018-03-11
The Anarchist Cookbook will shock, it will disturb, it will provoke. It places in historical perspective an era when "Turn on, Burn down, Blow up" are revolutionary slogans of the day. Says the author" "This book... is not written for the members of fringe political groups, such as the Weatherman, or The Minutemen. Those radical groups don't need this book. They already know everything that's in here. If the real people of America, the silent majority, are going to survive, they must educate themselves. That is the purpose of this book." In what the author considers a survival guide, there is explicit information on the uses and effects of drugs, ranging from pot to heroin to peanuts. There i detailed advice concerning electronics, sabotage, and surveillance, with data on everything from bugs to scramblers. There is a comprehensive chapter on natural, non-lethal, and lethal weapons, running the gamut from cattle prods to sub-machine guns to bows and arrows.

Data Visualization Made Simple - Kristen Sosulski 2018-09-27
Data Visualization Made Simple is a practical guide to the fundamentals, strategies, and real-world cases for data visualization, an essential skill required in today’s information-rich world. With foundations rooted in statistics, psychology, and computer science, data visualization offers practitioners in almost every field a coherent way to share findings from original

research, big data, learning analytics, and more. In nine appealing chapters, the book: examines the role of data graphics in decision-making, sharing information, sparking discussions, and inspiring future research; scrutinizes data graphics, deliberates on the messages they convey, and looks at options for design visualization; and includes cases and interviews to provide a contemporary view of how data graphics are used by professionals across industries Both novices and seasoned designers in education, business, and other areas can use this book's effective, linear process to develop data visualization literacy and promote exploratory, inquiry-based approaches to visualization problems.

Results - Bruce A. Pasternack 2005-10-18

Every company has a personality. Does yours help or hinder your results? Does it make you fit for growth? Find out by taking the quiz that's helped 50,000 people better understand their organizations at OrgDNA.com and to learn more about Organizational DNA. Just as you can understand an individual's personality, so too can you understand a company's type—what makes it tick, what's good and bad about it. Results explains why some organizations bob and weave and roll with the punches to consistently deliver on commitments and produce great results, while others can't leave their corner of the ring without tripping on their own shoelaces. Gary Neilson and Bruce Pasternack help you identify which of the

seven company types you work for—and how to keep what's good and fix what's wrong. You'll feel the shock of recognition ("That's me, that's my company") as you find out whether your organization is: • Passive-Aggressive ("everyone agrees, smiles, and nods, but nothing changes"): entrenched underground resistance makes getting anything done like trying to nail Jell-O to the wall • Fits-and-Starts ("let 1,000 flowers bloom"): filled with smart people pulling in different directions • Outgrown ("the good old days meet a brave new world"): reacts slowly to market developments, since it's too hard to run new ideas up the flagpole • Overmanaged ("we're from corporate and we're here to help"): more reporting than working, as managers check on their subordinates' work so they can in turn report to their bosses • Just-in-Time ("succeeding, but by the skin of our teeth"): can turn on a dime and create real breakthroughs but also tends to burn out its best and brightest • Military Precision ("flying in formation"): executes brilliant strategies but usually does not deal well with events not in the playbook • Resilient ("as good as it gets"): flexible, forward-looking, and fun; bounces back when it hits a bump in the road and never, ever rests on its laurels For anyone who's ever said, "Wow, that's a great idea, but it'll never happen here" or "Whew, we pulled it off again, but I'm tired of all this sprinting," Results provides robust, practical ideas for becoming and remaining a

resilient business. Also available as an eBook From the Hardcover edition.

Data Analysis and Presentation Skills - Jackie Willis 2005-06-10 Data Analysis and Presentation Skills: An Introduction for the Life and Medical Sciences is an invaluable text allowing students to develop appropriate key skills when designing experiments, generating results, analysing data and ultimately presenting findings to academics and referees. Taking a hands-on approach, each of these key areas is introduced clearly and carefully, showing how to access and evaluate information using a variety of resources. Basic analytical theory is gradually introduced alongside practical applications to enhance student understanding. The reader is shown how to present data in charts using Microsoft Excel and statistical analysis is carefully explained showing clearly how to manipulate data in spreadsheets and analyse the results using commonly used tests. A section is also included on the use of PowerPoint as well as giving advice on how to prepare a short talk or seminar. Includes numerous relevant examples and case studies drawn from the Life Sciences Guidance on how to complete and present practical and project work through to postgraduate dissertation. Clear step-by-step introduction to Microsoft Excel, presentation skills and statistical analysis. Invaluable for all students within the Life and Medical Sciences

Guide to Business Data Analytics - Iiba 2020-08-07

The Guide to Business Data Analytics provides a foundational understanding of business data analytics concepts and includes how to develop a framework; key techniques and application; how to identify, communicate and integrate results; and more. This guide acts as a reference for the practice of business data analytics and is a companion resource for the Certification in Business Data Analytics (IIBA(R)- CBDA). Explore more information about the Certification in Business Data Analytics at IIBA.org/CBDA. About International Institute of Business Analysis International Institute of Business Analysis(TM) (IIBA(R)) is a professional association dedicated to supporting business analysis professionals deliver better business outcomes. IIBA connects almost 30,000 Members, over 100 Chapters, and more than 500 training, academic, and corporate partners around the world. As the global voice of the business analysis community, IIBA supports recognition of the profession, networking and community engagement, standards and resource development, and comprehensive certification programs. IIBA Publications IIBA publications offer a wide variety of knowledge and insights into the profession and practice of business analysis for the entire business community. Standards such as A Guide to the Business Analysis Body of Knowledge(R) (BABOK(R) Guide), the Agile Extension to the

BABOK(R) Guide, and the Global Business Analysis Core Standard represent the most commonly accepted practices of business analysis around the globe. IIBA's reports, research, whitepapers, and studies provide guidance and best practices information to address the practice of business analysis beyond the global standards and explore new and evolving areas of practice to deliver better business outcomes. Learn more at iiba.org.

People Analytics in the Era of Big Data - Jean Paul Isson 2016-04-21

Apply predictive analytics throughout all stages of workforce management People Analytics in the Era of Big Data provides a blueprint for leveraging your talent pool through the use of data analytics. Written by the Global Vice President of Business Intelligence and Predictive Analytics at Monster Worldwide, this book is packed full of actionable insights to help you source, recruit, acquire, engage, retain, promote, and manage the exceptional talent your organization needs. With a unique approach that applies analytics to every stage of the hiring process and the entire workforce planning and management cycle, this informative guide provides the key perspective that brings analytics into HR in a truly useful way. You're already inundated with disparate employee data, so why not mine that data for insights that add value to your organization and strengthen your workforce? This book presents a practical framework for real-world talent analytics, backed

by groundbreaking examples of workforce analytics in action across the U.S., Canada, Europe, Asia, and Australia. Leverage predictive analytics throughout the hiring process Utilize analytics techniques for more effective workforce management Learn how people analytics benefits organizations of all sizes in various industries Integrate analytics into HR practices seamlessly and thoroughly Corporate executives need fact-based insights into what will happen with their talent. Who should you hire? Who should you promote? Who are the top or bottom performers, and why? Who is at risk to quit, and why? Analytics can provide these answers, and give you insights based on quantifiable data instead of gut feeling and subjective assessment. People Analytics in the Era of Big Data is the essential guide to optimizing your workforce with the tools already at your disposal.

Litigation Services Handbook - Roman L. Weil 2007-01-02

Litigation Services Handbook, Fourth Edition is referred to as the litigation bible. Its nearly 50 chapters read like a who's who in law and accounting. The handbook includes all aspects of litigation services, including current environments, the process itself, a wealth of cases, how to prove damages, and practical considerations of court appearances. The new edition has a heavy focus on fraud investigations and complying with Sarbanes-Oxley requirements.

Psyched Up - Daniel McGinn 2017-06-06

Closing the sale. Asking for a raise. Nailing the big presentation. Of the 2,000 hours you work every year, your success or failure is determined in the couple of dozen crucial hours when you need to bring your absolute best. Will you? The last few minutes before a major challenge can be terrifying. Ever wished you knew how to make sure you ace the make-or-break test, audition, or interview? We often feel the most powerless just before we're expected to act powerful. As you'll learn in this life-changing book, practice might make perfect, but perfection is useless if you can't summon it when it counts. Pulling off a great speech or the pivotal at bat also requires the right kind of mental preparation. In Psyched Up, journalist Daniel McGinn dives into the latest psychological research and interviews athletes, soldiers, entertainers, and others who, despite years of practice and enviable track records, will ultimately be judged on their ability to delivera solid performance when it's their turn to shine. For instance, he reveals... • How Jerry Seinfeld's jacket and Stephen Colbert's pen help them get laughs. • What General Stanley McChrystal said to Special Forces before they entered the battlefield. • Why the New England Patriots hired the DJ from the Red Sox to help them win. Among other counterintuitive insights, McGinn reveals why trying to calm your backstage jitters can be worse for your performance than channeling it into excitement; how meaningless rituals can

do more to prepare you in the final moments than last-minute rehearsal; and how a prescription from your doctor could help you unleash your best skills. Whether you're a sportsperson or a salesperson, an actor or an entrepreneur, one bad hour can throw away months of hard work. There's so much conflicting popular advice that we often end up doing the wrong things. McGinn separates the facts from the old wives' tales and shares new, research driven strategies for activating your talent, optimizing your emotions, and getting psyched up to take the spotlight.

Introduction to Data Science - Rafael A. Irizarry 2019-11-20

Introduction to Data Science: Data Analysis and Prediction Algorithms with R introduces concepts and skills that can help you tackle real-world data analysis challenges. It covers concepts from probability, statistical inference, linear regression, and machine learning. It also helps you develop skills such as R programming, data wrangling, data visualization, predictive algorithm building, file organization with UNIX/Linux shell, version control with Git and GitHub, and reproducible document preparation. This book is a textbook for a first course in data science. No previous knowledge of R is necessary, although some experience with programming may be helpful. The book is divided into six parts: R, data visualization, statistics with R, data wrangling, machine learning, and

productivity tools. Each part has several chapters meant to be presented as one lecture. The author uses motivating case studies that realistically mimic a data scientist's experience. He starts by asking specific questions and answers these through data analysis so concepts are learned as a means to answering the questions. Examples of the case studies included are: US murder rates by state, self-reported student heights, trends in world health and economics, the impact of vaccines on infectious disease rates, the financial crisis of 2007-2008, election forecasting, building a baseball team, image processing of hand-written digits, and movie recommendation systems. The statistical concepts used to answer the case study questions are only briefly introduced, so complementing with a probability and statistics textbook is highly recommended for in-depth understanding of these concepts. If you read and understand the chapters and complete the exercises, you will be prepared to learn the more advanced concepts and skills needed to become an expert.

Electric Power Engineering Research and Education - Elias Kyriakides 2015-07-25

This unique volume covers the most compelling areas of advance in electric power engineering, from distributed generation and dispatch to power quality improvement and energy storage. The authors particularly highlight the seminal contributions of Dr. Gerald T. Heydt in the development and teaching of these technological

advances, which have impacted the power industry and academia over the last 4 decades in areas such as transmission and distribution engineering, power engineering education, and centers for power engineering research.

Handbook of Research on Engineering, Business, and Healthcare Applications of Data Science and Analytics - Patil, Bhushan 2020-10-23

Analyzing data sets has continued to be an invaluable application for numerous industries. By combining different algorithms, technologies, and systems used to extract information from data and solve complex problems, various sectors have reached new heights and have changed our world for the better. The Handbook of Research on Engineering, Business, and Healthcare Applications of Data Science and Analytics is a collection of innovative research on the methods and applications of data analytics. While highlighting topics including artificial intelligence, data security, and information systems, this book is ideally designed for researchers, data analysts, data scientists, healthcare administrators, executives, managers, engineers, IT consultants, academicians, and students interested in the potential of data application technologies.

Strategy That Works - Paul Leinwand 2016-01-12

How to close the gap between strategy and execution Two-thirds of executives say their organizations don’t have

the capabilities to support their strategy. In Strategy That Works, Paul Leinwand and Cesare Mainardi explain why. They identify conventional business practices that unintentionally create a gap between strategy and execution. And they show how some of the best companies in the world consistently leap ahead of their competitors. Based on new research, the authors reveal five practices for connecting strategy and execution used by highly successful enterprises such as IKEA, Natura, Danaher, Haier, and Lego. These companies: • Commit to what they do best instead of chasing multiple opportunities • Build their own unique winning capabilities instead of copying others • Put their culture to work instead of struggling to change it • Invest where it matters instead of going lean across the board • Shape the future instead of reacting to it Packed with tools you can use for building these five practices into your organization and supported by in-depth profiles of companies that are known for making their strategy work, this is your guide for reconnecting strategy to execution.

Envisioning the Data Science Discipline - National Academies of Sciences, Engineering, and Medicine 2018-03-05 The need to manage, analyze, and extract knowledge from data is pervasive across industry, government, and academia. Scientists, engineers, and executives routinely encounter enormous volumes of data, and new techniques and tools are emerging to create knowledge out of these data, some of them

capable of working with real-time streams of data. The nation's ability to make use of these data depends on the availability of an educated workforce with necessary expertise. With these new capabilities have come novel ethical challenges regarding the effectiveness and appropriateness of broad applications of data analyses. The field of data science has emerged to address the proliferation of data and the need to manage and understand it. Data science is a hybrid of multiple disciplines and skill sets, draws on diverse fields (including computer science, statistics, and mathematics), encompasses topics in ethics and privacy, and depends on specifics of the domains to which it is applied. Fueled by the explosion of data, jobs that involve data science have proliferated and an array of data science programs at the undergraduate and graduate levels have been established. Nevertheless, data science is still in its infancy, which suggests the importance of envisioning what the field might look like in the future and what key steps can be taken now to move data science education in that direction. This study will set forth a vision for the emerging discipline of data science at the undergraduate level. This interim report lays out some of the information and comments that the committee has gathered and heard during the first half of its study, offers perspectives on the current state of data science education, and

poses some questions that may shape the way data science education evolves in the future. The study will conclude in early 2018 with a final report that lays out a vision for future data science education.

Beyond Digital - Paul Leinwand 2021-12-21

Two world-renowned strategists detail the seven leadership imperatives for transforming companies in the new digital era. Digital transformation is critical. But winning in today's world requires more than digitization. It requires understanding that the nature of competitive advantage has shifted—and that being digital is not enough. In Beyond Digital, Paul Leinwand and Matt Mani from Strategy&, PwC's global strategy consulting business, take readers inside twelve companies and how they have navigated through this monumental shift: from Philips's reinvention from a broad conglomerate to a focused health technology player, to Cleveland Clinic's engagement with its broader ecosystem to improve and expand its leading patient care to more locations around the world, to Microsoft's overhaul of its global commercial business to drive customer outcomes. Other case studies include Adobe, Citigroup, Eli Lilly, Hitachi, Honeywell, Inditex, Komatsu, STC Pay, and Titan. Building on a major new body of research, the authors identify the seven imperatives that leaders must follow as the digital age continues to evolve: Reimagine your company's place in the world Embrace and create

value via ecosystems Build a system of privileged insights with your customers Make your organization outcome-oriented Invert the focus of your leadership team Reinvent the social contract with your people Disrupt your own leadership approach Together, these seven imperatives comprise a playbook for how leaders can define a bolder purpose and transform their organizations.

Effective Data Storytelling - Brent Dykes 2019-12-10

Master the art and science of data storytelling—with frameworks and techniques to help you craft compelling stories with data. The ability to effectively communicate with data is no longer a luxury in today's economy; it is a necessity. Transforming data into visual communication is only one part of the picture. It is equally important to engage your audience with a narrative—to tell a story with the numbers. Effective Data Storytelling will teach you the essential skills necessary to communicate your insights through persuasive and memorable data stories. Narratives are more powerful than raw statistics, more enduring than pretty charts. When done correctly, data stories can influence decisions and drive change. Most other books focus only on data visualization while neglecting the powerful narrative and psychological aspects of telling stories with data. Author Brent Dykes shows you how to take the three central elements of data storytelling—data, narrative, and visuals—and combine them for maximum effectiveness. Taking a

comprehensive look at all the elements of data storytelling, this unique book will enable you to: Transform your insights and data visualizations into appealing, impactful data stories Learn the fundamental elements of a data story and key audience drivers Understand the differences between how the brain processes facts and narrative Structure your findings as a data narrative, using a four-step storyboarding process Incorporate the seven essential principles of better visual storytelling into your work Avoid common data storytelling mistakes by learning from historical and modern examples Effective Data Storytelling: How to Drive Change with Data, Narrative and Visuals is a must-have resource for anyone who communicates regularly with data, including business professionals, analysts, marketers, salespeople, financial managers, and educators.

Designing Data Visualizations - Noah Iliinsky 2011-09-16 Data visualization is an efficient and effective medium for communicating large amounts of information, but the design process can often seem like an unexplainable creative endeavor. This concise book aims to demystify the design process by showing you how to use a linear decision-making process to encode your information visually. Delve into different kinds of visualization, including infographics and visual art, and explore the influences at work in each one. Then learn how to apply these concepts to your design process. Learn data visualization

classifications, including explanatory, exploratory, and hybrid Discover how three fundamental influences—the designer, the reader, and the data—shape what you create Learn how to describe the specific goal of your visualization and identify the supporting data Decide the spatial position of your visual entities with axes Encode the various dimensions of your data with appropriate visual properties, such as shape and color See visualization best practices and suggestions for encoding various specific data types

Data Science for Undergraduates - National Academies of Sciences, Engineering, and Medicine 2018-11-11 Data science is emerging as a field that is revolutionizing science and industries alike. Work across nearly all domains is becoming more data driven, affecting both the jobs that are available and the skills that are required. As more data and ways of analyzing them become available, more aspects of the economy, society, and daily life will become dependent on data. It is imperative that educators, administrators, and students begin today to consider how to best prepare for and keep pace with this data-driven era of tomorrow. Undergraduate teaching, in particular, offers a critical link in offering more data science exposure to students and expanding the supply of data science talent. Data Science for Undergraduates: Opportunities and Options offers a vision for the emerging

discipline of data science at the undergraduate level. This report outlines some considerations and approaches for academic institutions and others in the broader data science communities to help guide the ongoing transformation of this field.

The Fourth Industrial Revolution - Klaus Schwab 2017-01-03

World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of

biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

Guide to Audit Data Analytics - AICPA 2018-02-21

Designed to facilitate the use of audit data analytics (ADAs) in the financial statement audit, this title was developed by leading experts across the profession and academia. The guide defines audit data analytics as “the science and art of discovering and analyzing patterns, identifying anomalies, and extracting other useful information in data underlying or related to the subject matter of an audit through analysis, modeling, and visualization for planning or performing the audit.” Simply put, ADAs can be used to perform a variety of procedures to gather audit evidence. Each chapter focuses on an audit area and includes step-by-step guidance illustrating how ADAs can be used throughout

the financial statement audit. Suggested considerations for assessing the reliability of data are also included in a separate appendix.

Future of Jobs - IntroBooks Team

Times are changing and the labor markets are under immense burden from the collective effects of various megatrends. Technological growth and grander incorporation of economies along with global supply chains have been an advantage for several workers armed with high skills and in growing occupations. However, it is a challenge for workers with low or obsolete skills in diminishing zones of employment. Business models that are digitalized hire workers as self-employed instead of standard employees. People seem to be working and living longer, but they experience many job changes and the peril of skills desuetude. Inequalities in both quality of job and earnings have increased in several countries. The depth and pace of digital transformation will probably be shocking. Industrial robots have already stepped in and artificial intelligence is making its advance too. Globalization and technological change predict the great potential for additional developments in labor market performance. But people should be ready for change. A progression of creative annihilation is probably under way, where some chores are either offshored or given to robots. A better world of for jobs cannot be warranted – a lot will be contingent on

devising the right policies and institutes in place.

Developing Analytic Talent - Vincent Granville 2014-03-24

Learn what it takes to succeed in the the most in-demand tech job Harvard Business Review calls it the sexiest tech job of the 21st century. Data scientists are in demand, and this unique book shows you exactly what employers want and the skill set that separates the quality data scientist from other talented IT professionals. Data science involves extracting, creating, and processing data to turn it into business value. With over 15 years of big data, predictive modeling, and business analytics experience, author Vincent Granville is no stranger to data science. In this one-of-a-kind guide, he provides insight into the essential data science skills, such as statistics and visualization techniques, and covers everything from analytical recipes and data science tricks to common job interview questions, sample resumes, and source code. The applications are endless and varied: automatically detecting spam and plagiarism, optimizing bid prices in keyword advertising, identifying new molecules to fight cancer, assessing the risk of meteorite impact. Complete with case studies, this book is a must, whether you're looking to become a data scientist or to hire one. Explains the finer points of data science, the required skills, and how to acquire them, including analytical recipes, standard rules, source

code, and a dictionary of terms Shows what companies are looking for and how the growing importance of big data has increased the demand for data scientists Features job interview questions, sample resumes, salary surveys, and examples of job ads Case studies explore how data science is used on Wall Street, in botnet detection, for online advertising, and in many other business-critical situations Developing Analytic Talent: Becoming a Data Scientist is essential reading for those aspiring to this hot career choice and for employers seeking the best candidates.

Introduction to People Analytics - Nadeem Khan 2020-04-03

An understanding of people analytics is a crucial skill for all HR professionals. No longer limited to employees in data teams or those with analyst in their job titles, people analytics is now an integral part of every HR job. Introduction to People Analytics allows all HR professionals to get to grips with analytics, feel confident in their ability to handle employee and organizational data and use analytics to move from opinions to insights. From where to find data in an organization, how to collect it and analyse it through to how to use these findings to add business value, Introduction to People Analytics is essential reading for all HR professionals. With case studies and thought leadership insights from companies who have leveraged people analytics to improve culture and employee engagement, increase performance and reduce

costs including NHS, Brompton Bikes, British Heart Foundation, King, Experian and AstraZeneca, FIS and Swarovski, this book shows how and where HR analytics can make a tangible difference to organizations. There is also expert guidance and practical advice on how to embed analytics into HR processes and adopt a data-driven approach to all workplace activities.

Don't Pay for Your MBA - Laurie Pickard 2017-11-02

The average debt load for graduates of the top business schools has now exceeded $100,000! For most young professionals, this means spending the first half of their career in the red and feeling pressure to take the first position offered to them so that they can start paying off their debt. But it doesn't have to be that way! Author and businesswoman Laurie Pickard discovered a way to get the business education she needed to land her dream job while avoiding the massive school loans that plague so many. And in Don't Pay for Your MBA, she shares all that she learned so that others can benefit as well.Pickard discovered that the same prestigious business schools that offer the MBAs so many covet also offer MOOCs (massive online open courses) for low or even no cost. By picking the right classes from the best schools, she gained the skills she needed and avoided the debt she could not afford to take on. The most difficult part was knowing how to begin and where to look. So she has provided this resource for other self-starters, career changers, and budding

entrepreneurs so that they can best learn how to navigate the expanding universe of online education. Within these pages, learn how to:• Define your goals and tailor a curriculum that is geared toward your dream job• Master the language of business• Build a strong network• Choose a concentration and deepen your expertise• Showcase your nontraditional education in a way that attracts companiesDon’t fall for the lies that pressure countless graduates every year into MBA programs and insurmountable debt. Self-directed online learning can fill gaps in your training, position you for promotions, and open up new opportunities--at a fraction of the cost!

Fraud and Fraud Detection, + Website - Sunder Gee 2014-12-03 Detect fraud faster—no matter how well hidden—with IDEA automation Fraud and Fraud Detection takes an advanced approach to fraud management, providing step-by-step guidance on automating detection and forensics using CaseWare's IDEA software. The book begins by reviewing the major types of fraud, then details the specific computerized tests that can detect them. Readers will learn to use complex data analysis techniques, including automation scripts, allowing easier and more sensitive detection of anomalies that require further review. The companion website provides access to a demo version of IDEA, along with sample scripts that allow readers to immediately test the procedures from the book. Business systems' electronic databases have grown

tremendously with the rise of big data, and will continue to increase at significant rates. Fraudulent transactions are easily hidden in these enormous datasets, but Fraud and Fraud Detection helps readers gain the data analytics skills that can bring these anomalies to light. Step-by-step instruction and practical advice provide the specific abilities that will enhance the audit and investigation process. Readers will learn to: Understand the different areas of fraud and their specific detection methods Identify anomalies and risk areas using computerized techniques Develop a step-by-step plan for detecting fraud through data analytics Utilize IDEA software to automate detection and identification procedures The delineation of detection techniques for each type of fraud makes this book a must-have for students and new fraud prevention professionals, and the step-by-step guidance to automation and complex analytics will prove useful for even experienced examiners. With datasets growing exponentially, increasing both the speed and sensitivity of detection helps fraud professionals stay ahead of the game. Fraud and Fraud Detection is a guide to more efficient, more effective fraud identification.

Ten Years to Midnight - Blair H. Sheppard 2020-08-04

“Shows how humans have brought us to the brink and how humanity can find solutions. I urge people to read with humility and the daring to act.” —Harpal Singh, former Chair, Save the Children, India, and

former Vice Chair, Save the Children International In conversations with people all over the world, from government officials and business leaders to taxi drivers and schoolteachers, Blair Sheppard, global leader for strategy and leadership at PwC, discovered they all had surprisingly similar concerns. In this prescient and pragmatic book, he and his team sum up these concerns in what they call the ADAPT framework: Asymmetry of wealth; Disruption wrought by the unexpected and often problematic consequences of technology; Age disparities--stresses caused by very young or very old populations in developed and emerging countries; Polarization as a symptom of the breakdown in global and national consensus; and loss of Trust in the institutions that underpin and stabilize society. These concerns are in turn precipitating four crises: a crisis of prosperity, a crisis of technology, a crisis of institutional legitimacy, and a crisis of leadership. Sheppard and his team analyze the complex roots of these crises--but they also offer solutions, albeit often seemingly counterintuitive ones. For example, in an era of globalization, we need to place a much greater emphasis on developing self-sustaining local economies. And as technology permeates our lives, we need computer scientists and engineers conversant with sociology and psychology and poets who can code. The authors argue persuasively that we have only a decade to make headway on these

problems. But if we tackle them now, thoughtfully, imaginatively, creatively, and energetically, in ten years we could be looking at a dawn instead of darkness.

Analytics, Data Science, and Artificial Intelligence - Ramesh Sharda 2020-03-06

For courses in decision support systems, computerized decision-making tools, and management support systems. Market-leading guide to modern analytics, for better business decisionsAnalytics, Data Science, & Artificial Intelligence: Systems for Decision Support is the most comprehensive introduction to technologies collectively called analytics (or business analytics) and the fundamental methods, techniques, and software used to design and develop these systems. Students gain inspiration from examples of organisations that have employed analytics to make decisions, while leveraging the resources of a companion website. With six new chapters, the 11th edition marks a major reorganisation reflecting a new focus -- analytics and its enabling technologies, including AI, machine-learning, robotics, chatbots, and IoT.

The Grammar of Graphics - Leland Wilkinson 2013-03-09

Written for statisticians, computer scientists, geographers, research and applied scientists, and others interested in visualizing data, this book presents a unique foundation for producing almost every quantitative graphic found in scientific

journals, newspapers, statistical packages, and data visualization systems. It was designed for a distributed computing environment, with special attention given to conserving computer code and system resources. While the tangible result of this work is a Java production graphics library, the text focuses on the deep structures involved in producing quantitative graphics from data. It investigates the rules that underlie pie charts, bar charts, scatterplots, function plots, maps, mosaics, and radar charts. These rules are abstracted from the work of Bertin, Cleveland, Kosslyn, MacEachren, Pinker, Tufte, Tukey, Tobler, and other theorists of quantitative graphics.