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JOHANNA RILEY

Proceedings of the Asia-Pacific Research in Social Sciences and Humanities, Depok, Indonesia, November 7-9, 2016: Topics in Economics and Business Springer Publishing Company

Health Informatics (HI) focuses on the application of Information Technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively updated fifth edition reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references.

Winners and Losers in the Age of Smart Machines Springer
Cutting through the hype, a practical guide to using artificial intelligence for business benefits and competitive advantage. In *The AI Advantage*, Thomas Davenport offers a guide to using

artificial intelligence in business. He describes what technologies are available and how companies can use them for business benefits and competitive advantage. He cuts through the hype of the AI craze—remember when it seemed plausible that IBM's Watson could cure cancer?—to explain how businesses can put artificial intelligence to work now, in the real world. His key recommendation: don't go for the “moonshot” (curing cancer, or synthesizing all investment knowledge); look for the “low-hanging fruit” to make your company more efficient. Davenport explains that the business value AI offers is solid rather than sexy or splashy. AI will improve products and processes and make decisions better informed—important but largely invisible tasks. AI technologies won't replace human workers but augment their capabilities, with smart machines to work alongside smart people. AI can automate structured and repetitive work; provide extensive analysis of data through machine learning (“analytics on steroids”), and engage with customers and employees via

chatbots and intelligent agents. Companies should experiment with these technologies and develop their own expertise. Davenport describes the major AI technologies and explains how they are being used, reports on the AI work done by large commercial enterprises like Amazon and Google, and outlines strategies and steps to becoming a cognitive corporation. This book provides an invaluable guide to the real-world future of business AI. A book in the Management on the Cutting Edge series, published in cooperation with MIT Sloan Management Review.

A Comparative Survey and Proposal for Reform Springer
An invigorating, thought-provoking, and positive look at the rise of automation that explores how professionals across industries can find sustainable careers in the near future. Nearly half of all working Americans could risk losing their jobs because of technology. It's not only blue-collar jobs at stake. Millions of educated knowledge workers—writers, paralegals, assistants, medical technicians—are threatened by accelerating advances in artificial intelligence. The industrial revolution shifted workers from farms to factories. In the first era of automation, machines relieved humans of manually exhausting work. Today, Era Two of automation continues to wash across the entire services-based economy that has replaced jobs in agriculture and manufacturing. Era Three, and the rise of AI, is dawning. Smart computers are demonstrating they are capable of making better decisions than humans. Brilliant technologies can now decide, learn, predict, and even comprehend much faster and more accurately than the human brain, and their progress is accelerating. Where will this leave lawyers, nurses, teachers, and

editors? In *Only Humans Need Apply*, Thomas Hayes Davenport and Julia Kirby reframe the conversation about automation, arguing that the future of increased productivity and business success isn't either human or machine. It's both. The key is augmentation, utilizing technology to help humans work better, smarter, and faster. Instead of viewing these machines as competitive interlopers, we can see them as partners and collaborators in creative problem solving as we move into the next era. The choice is ours.

Artificial Intelligence and Machine Learning in Healthcare Morgan & Claypool Publishers

This book explains how telemedicine can offer solutions capable of improving the care and survival rates of cancer patients and can also help patients to live a normal life in spite of their condition. Different fields of application - community, hospital and home based - are examined, and detailed attention is paid to the use of tele-oncology in rural/extreme rural settings and in developing countries. The impact of new technologies and the opportunities afforded by the social web are both discussed. The concluding chapters consider eLearning in relation to cancer care and assess the scope for education to improve prevention. No medical condition can shatter people's lives as cancer does today and the need to develop strategies to reduce the disease burden and improve quality of life is paramount. Readers will find this new volume in Springer's TELe Health series to be a rich source of information on the important contribution that can be made by telemedicine in achieving these goals.

Dictionary of Health Information Technology and Security
DK Publishing (Dorling Kindersley)

The second edition of a bestseller, *Soil and Water Chemistry: An Integrative Approach* maintains the balanced perspective that made the first edition a hugely popular textbook. The second edition includes new figures and tables, new chapters, and expanded exercises in each chapter. It covers topics including soil chemical environment, soil minerals,

Penetration Testing Essentials Academic Press

Advances in medical technology increase both the efficacy and efficiency of medical practice, and mobile technologies enable modern doctors and nurses to treat patients remotely from anywhere in the world. This technology raises issues of quality of care and medical ethics, which must be addressed. *E-Health and Telemedicine: Concepts, Methodologies, Tools, and Applications* explores recent advances in mobile medicine and how this technology impacts modern medical care. Three volumes of comprehensive coverage on crucial topics in wireless technologies for enhanced medical care make this multi-volume publication a critical reference source for doctors, nurse practitioners, hospital administrators, and researchers and academics in all areas of the medical field. This seminal publication features comprehensive chapters on all aspects of e-health and telemedicine, including implementation strategies; use cases in cardiology, infectious diseases, and cytology, among others; care of individuals with autism spectrum disorders; and medical image analysis.

Report of the Finance Committee Academic Press

This book provides an overview of the role of AI in medicine and, more generally, of issues at the intersection of mathematics, informatics, and medicine. It is intended for AI experts, offering

them a valuable retrospective and a global vision for the future, as well as for non-experts who are curious about this timely and important subject. Its goal is to provide clear, objective, and reasonable information on the issues covered, avoiding any fantasies that the topic "AI" might evoke. In addition, the book seeks to provide a broad kaleidoscopic perspective, rather than deep technical details.

Fundamentals of Telemedicine and Telehealth Basic Books

A beginner's guide to building fully functioning web applications from scratch using the latest features of ASP.NET Core 3 and C# 8 Key Features Get to grips with the new features and APIs in ASP.NET Core 3, EF Core 3, and Blazor Create web APIs that integrate your applications with other systems and services Learn to deploy your web applications in new environments such as the cloud and Docker containers Book Description ASP.NET Core is an open source framework from Microsoft that makes it easy to build highly efficient and dynamic cross-platform web applications. Updated for the latest features of ASP.NET Core 3, this second edition will equip you with the skills you need to build powerful web applications. The book starts with an introduction to ASP.NET Core and its features, giving you a complete understanding of the framework. You will also learn how to set up your development environment with Visual Studio 2019 and build a fully functioning application from scratch. You'll then understand core concepts for building web applications such as Model View Controller (MVC), dependency injection, and WebSockets. As you advance, you'll discover how to use Entity Framework Core 3 to automate all database-related activities for your application. You will then build and document secure web APIs using security best practices

to protect your web applications from threats and vulnerabilities. Finally, you will learn how to use Azure DevOps as a CI/CD tool to deploy and monitor your applications using Microsoft Azure, Amazon Web Services (AWS), and Docker. By the end of this book, you'll have the skills you need to develop efficient and robust web applications in ASP.NET Core 3. What you will learn

- Delve into basic and advanced ASP.NET Core 3 concepts with the help of examples
- Build an MVC web application and use Entity Framework Core 3 to access data
- Add web APIs to your web applications using RPC, REST, and HATEOAS
- Create a fully automated continuous integration and continuous delivery (CI/CD) pipeline using Azure DevOps
- Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications
- Secure your web application from common attacks such as Cross-Site Scripting and SQL injection
- Explore client-side development using C# Razor components

Who this book is for This book is for developers who want to build modern web applications with ASP.NET Core. The book will also be helpful for anyone working in infrastructure engineering and operations to monitor and diagnose problems during the runtime of ASP.NET Core 3.0 web applications. Although no prior understanding of ASP.NET or .NET Core is required, basic C# programming knowledge is assumed.

Why We Love (or Hate) Everyday Things Heinemann
Over 10,000 Detailed Entries! "There is a myth that all stakeholders in the healthcare space understand the meaning of basic information technology jargon. In truth, the vernacular of contemporary medical information systems is unique, and often misused or misunderstood. Moreover, an emerging national Health Information Technology (HIT) architecture; in the guise of

terms, definitions, acronyms, abbreviations and standards; often puts the non-expert medical, nursing, public policy administrator or paraprofessional in a position of maximum uncertainty and minimum productivity. The Dictionary of Health Information Technology and Security will therefore help define, clarify and explain...You will refer to it daily." -- Richard J. Mata, MD, MS, MS-CIS, Certified Medical Planner© (Hon), Chief Medical Information Officer [CMIO], Ricktelmed Information Systems, Assistant Professor Texas State University, San Marcos, Texas

An Essential Tool for Every Health Care Industry Sector: layman, purchaser, and benefits manager physician, provider and healthcare facility payer, intermediary and consulting professional

Key Benefits & Features Include: New HIT, HIPAA, WHCQA, HITPA, and NEPSI terminology Abbreviations, acronyms, and slang-terms defined Illustrations and simple examples Cross-references to current research

A Practical Guide to Meat Inspection Routledge

Create the perfect image across 10 key photographic genres with digital photography expert Tom Ang, in this updated and newly repackaged paperback edition. Tom Ang's *The Complete Photographer* is your ultimate guide to every style and subject of digital photography, from portraits to wildlife to architecture. Organized by genre and updated to include all the latest technological developments and creative trends, this guide is packed with practical and tailored tutorials, assignments, and advice for each of the 10 categories covered so that you can achieve the results you want -- every time. Get a behind-the-scenes look at the detail that goes into the planning, setting up, and shooting beautiful photos, and learn how an idea progresses

from concept to final image with interviews of 20 influential photographers. DK's richly illustrative design and Ang's clear writing and direction blend together in this second edition of *The Complete Photographer* to dissect the elements of 10 photographic genres and make stunning results achievable.

A Handbook of Unusual Mental Phenomena Springer Nature
The huge success of personal computing technologies has brought astonishing benefits to individuals, families, communities, businesses, and government, transforming human life, largely for the better. These democratizing transformations happened because a small group of researchers saw the opportunities to convert sophisticated computational tools into appealing personal devices offering valued services by way of easy-to-use interfaces. Along the way, there were challenges to their agenda of human-centered design by: (1) traditional computer scientists who were focused on computation rather than people-oriented services and (2) those who sought to build anthropomorphic agents or robots based on excessively autonomous scenarios. The easy-to-learn and easy-to-use interfaces based on direct manipulation became the dominant form of interaction for more than six billion people. This book gives my personal history of the intellectual arguments and the key personalities I encountered. I believe that the lessons of how the discipline of Human-Computer Interaction (HCI) and the profession of User Experience Design (UXD) were launched can guide others in forming new disciplines and professions. The stories and photos of the 60 HCI pioneers, engaged in discussions and presentations, capture the human drama of collaboration and competition that invigorated the encounters among these bold,

creative, generous, and impassioned individuals.

The Unfathomed Mind National Academies Press

This book reviews the application of artificial intelligence and machine learning in healthcare. It discusses integrating the principles of computer science, life science, and statistics incorporated into statistical models using existing data, discovering patterns in data to extract the information, and predicting the changes and diseases based on this data and models. The initial chapters of the book cover the practical applications of artificial intelligence for disease prognosis & management. Further, the role of artificial intelligence and machine learning is discussed with reference to specific diseases like diabetes mellitus, cancer, mycobacterium tuberculosis, and Covid-19. The chapters provide working examples on how different types of healthcare data can be used to develop models and predict diseases using machine learning and artificial intelligence. The book also touches upon precision medicine, personalized medicine, and transfer learning, with the real examples. Further, it also discusses the use of machine learning and artificial intelligence for visualization, prediction, detection, and diagnosis of Covid -19. This book is a valuable source of information for programmers, healthcare professionals, and researchers interested in understanding the applications of artificial intelligence and machine learning in healthcare.

How to Be a Programmer HarperCollins

This volume explores the ways in which knowledge and innovation impact business and economic sustainability, offering a wide-ranging and richly illustrated study of knowledge, innovation and sustainability of organizations from a dynamic

capabilities perspective. In organizational theory, dynamic capability is defined as an organization's ability to react and adapt adequately and rapidly to external change. In today's global economy, pursuing sustainable strategies and practices is critical to organizational success. Complying with externally and internally imposed sustainability targets might initially appear as a restriction for organizations; however, they can be transformed into a new set of opportunities. This means that the classic ways in which management absorbs the experiences associated with evolving conditions, organizational frameworks and markets must be reconsidered in light of the preservation of the technological, environmental and social ecosystems. Featuring research and case studies from sectors such as NGOs, SMEs, education and agriculture, this book offers students, academics, practitioners and policymakers a multi-faceted understanding of how and why knowledge, innovation and sustainability are intricately linked—and offers insight into best practices that balance organizational and societal needs.

Scientific and Technical Aerospace Reports Packt Publishing Ltd
 Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous

Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity

Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

Soil and Water Chemistry Springer Nature

Over 1,000 New York-based technology startups are currently hiring. This may come as a surprise to many who thought of New York as the capital of traditional industries such as financial services, media, advertising and fashion, but not necessarily as a high-tech hub. Yet, it is true: over the past several years the level of startup activity in the city of New York has increased at an exponential rate, reaching and surpassing Boston in number of tech companies formed and money invested. It is good news for the Bloomberg administration that has made the creation of a high-tech industry a strategic priority after the financial collapse of 2008. It is also good news for the many investors in the city (both "angels" and venture capitalists) who have seen the number of opportunities created increase at a fast rate. And it is good news for the entrepreneurs who can finally benefit from a working ecosystem and from an influx of capital not seen since the internet bubble of the late '90s. "Tech and the City" is the first book telling the story of how and why this is happening: from the birth of Silicon Alley in the '90s to today's level of activity and important milestones, such as the building of the Cornell NYC Tech campus. Based on over 50 interviews with entrepreneurs,

angel investors, venture capitalists, university professors, members of the Bloomberg administration and other stakeholders, this book's objective is to inform and inspire the current generation of entrepreneurs. Fred Wilson, the best known venture capitalists in New York and one of the most important in the US, wrote in his foreword: "I hope this book will be an inspiration to New Yorkers to embrace the technology revolution that has taken hold in our city. I also hope it will be an inspiration to other cities, countries, and cultures who may have missed out on the initial wave of the technology revolution." "Tech and the City" takes us on a historical and geographical tour of New York, while addressing the hot themes for entrepreneurs and investors. It is also a guide to help navigate the NYC community: how to network and become part of the community; what to read to understand and keep informed; where to raise capital; what help is available for any professional, entrepreneur, student, researcher seeking to settle in the city. And this is just the basis for an ongoing conversation, which we hope will continue on our blog, <http://www.tech-and-the-city.com> The authors, Alessandro Piol and Maria Teresa Cometto, know the story and the industry well. Alessandro has been a New Yorker for 35 years and a venture capitalist for 20, during which he has seen firsthand the evolution of the New York entrepreneurial ecosystem. He has a deep knowledge of the tech industry and a passionate involvement in the NYC community, where he invests in, and mentors, a number of young entrepreneurs. Maria Teresa Cometto is a journalist and award-winning author based in New York since 2000, covering business and high-tech for the largest Italian daily, Corriere della Sera, and for other important

publications.

Competition and Cooperation in Economics and Business CRC Press

Looks at how to create an effective mobile Web page, tackling both technical and strategic approaches to mobile web design and including the latest development techniques.

Sentence Composing for Elementary School John Wiley & Sons

The authoritative guide to healthy cooking in the modern professional kitchen In today's health-conscious culinary environment, diners expect much more than just delicious food. They expect nutritious, well-balanced meals made with wholesome ingredients. Chefs in every sector of the food industry, whether at fine dining establishments or cafeteria kitchens, should be prepared to address those concerns with a variety of healthier dining options. This updated new edition of *Techniques of Healthy Cooking* includes the latest dietary guidelines and healthy cooking techniques. It also covers a wide range of health- and environment-related topics of concern to today's diners, such as organic ingredients, local sourcing, farm-to-fork initiatives, and much more. All recipes here have been revised to include more whole ingredients, sustainable foods, and a wide range of substitution options. This new edition features nearly 500 recipes for virtually any meal or occasion, including 150 all-new recipes for this edition More than 150 full-color photographs of ingredients, techniques, and plated dishes are included in this new edition The Culinary Institute of America explores the latest on topics such as locally sourced food, farm-to-fork initiatives, and food safety Learn how to create dishes for vegan, vegetarian, gluten-free, and lactose-free diners With the

latest information and a huge variety of recipes, *Techniques of Healthy Cooking* is the perfect source for exciting, flavorful, and healthful food.

Design for Software Springer

This book is about the UN's role in housing, land, and property rights in countries after violent conflict.

Academic Literacy Development CRC Press

This book presents recent research using cognitive science to apprehend risk situations and elaborate new organizations, new systems and new methodological tools in response. The book demonstrates the reasons, advantages and implications of the association of the concepts of cognition and risk. It is shown that this association has strong consequences on how to apprehend critical situations that emerge within various activity domains, and how to elaborate responses to these critical situations.. The following topics are covered by the book: · Influence of the culture in risk management, · Influence of the risk communication in risk management, · User-centred design to improve risk situation management, · Designing new tools to assist risk situation management, · Risk prevention in industrial activities.

An Integrative Approach, Second Edition MIT Press

Fundamentals of Telemedicine and Telehealth provides an overview on the use of information and communication technologies (ICTs) to solve health problems, especially for people living in remote and underserved areas. With the advent of new technologies and improvement of internet connectivity, telehealth has become a new subject requiring a new understanding of IT devices and how to utilize them to fulfill health needs. The book discusses topics such as digitizing patient

information, technology requirements, existing resources, planning for telehealth projects, and primary care and specialized applications. Additionally, it discusses the use of telemedicine for patient empowerment and telecare in remote locations. Authored by IMIA Telehealth working group, this book is a valuable source for graduate students, healthcare workers, researchers and clinicians interested in using telehealth as part of their practice or

research. Presents components of healthcare that can be benefitted from remote access and when to rely on them Explains the current technologies and tools and how to put them to effective use in daily healthcare Provides legal provisions for telehealth implementation, discussing the risks of remote healthcare provision and cross border care