

## Cloud Computing Mr Ray Rafaels

Once upon a time, Columbus was a hero... Sadly, that's not the case today: Some people don't even know who he was, or what he did; while others claim he was a villain, and are advocating for the abolition of Columbus Day and everything he represented. Accusations vary from Columbus being a racist, a rapist, a genocidal maniac, and even that he ran a child sex slave ring. The question is, are these allegations true? And, where are the scholars correcting Columbus' record? Unfortunately, some of the misinformation out there comes from "scholars;" and even those who defend Columbus, won't address the actual story either. In this book, the reader will learn who modern history revisionists claim Columbus was, and what he did, vs. the actual historical accounts, coming from the mouths of those who knew him well, and wrote about them for us. The conclusion will be inevitable, that is, Columbus was a Hero, and his story and legacy need to be rediscovered again today.

An expert guide to selecting the right cloud service model for your business Cloud computing is all the rage, allowing for the delivery of computing and storage capacity to a diverse community of end-recipients. However, before you can decide on a cloud model, you need to determine what the ideal cloud service model is for your business. Helping you cut through all the haze, Architecting the Cloud is vendor neutral and guides you in making one of the most critical technology decisions that you will face: selecting the right cloud service model(s) based on a combination of both business and technology requirements. Guides corporations through key cloud design considerations Discusses the pros and cons of each cloud service model Highlights major design considerations in areas such as security, data privacy, logging, data storage, SLA monitoring, and more Clearly defines the services cloud providers offer for each service model and the cloud services IT must provide Arming you with the information you need to choose the right cloud service provider, Architecting the Cloud is a comprehensive guide covering everything you need to be aware of in selecting the right cloud service model for you.

This book is a printed edition of the Special Issue "Advances in Integrated Energy Systems Design, Control and Optimization" that was published in Applied Sciences

This book (vol. 1) presents the proceedings of the IUPESM World Congress on Biomedical Engineering and Medical Physics, a triennially organized joint meeting of medical physicists, biomedical engineers and adjoining health care professionals. Besides the purely scientific and technological topics, the 2018 Congress will also focus on other aspects of professional involvement in health care, such as education and training, accreditation and certification, health technology assessment and patient safety. The IUPESM meeting is an important forum for medical physicists and biomedical engineers in medicine and healthcare learn and share knowledge, and discuss the latest research outcomes and technological advancements as well as new ideas in both medical physics and biomedical engineering field.

This book enhances the original NIST SP 800-53 rev 5 Security and Privacy Controls for Information Systems publication. NIST SP 800-53 rev 5 is a reference publication that establishes controls for federal information systems and organizations. It is used as a key part in the process of protecting and assessing the security posture of information systems. The security controls protect the confidentiality, integrity, and availability (CIA) of the system and its information. The Publication is enhanced by making the following changes while maintaining the original content:1.Add Illustrations2.Explain Security Controls Purpose and Use in Plain Language (Enhanced Supplemental Guidance) 3.Document Formatting Improvements for Easier Reading 4.Remove Lesser Used Sections

Zoonoses are currently considered as one of the most important threats for public health worldwide. Zoonoses can be defined as any disease or infection that is naturally transmissible from vertebrate or invertebrate animals to humans and vice-versa. Approximately 75% of recently emerging infectious diseases affecting humans are diseases of animal origin; approximately 60% of all human pathogens are zoonotic. All types of potential pathogenic agents, including viruses, parasites, bacteria and fungi, can cause these zoonotic infections. From the wide range of potential vectors of zoonoses, insects are probably those of major significance due to their abundance, high plasticity and adaptability to different kinds of pathogens, high degrees of synanthropism in several groups and difficulties to apply effective programs of population control. Although ticks, flies, cockroaches, bugs and fleas are excellent insects capable to transmit viruses, parasites and bacteria, undoubtedly mosquitoes are the most important disease vectors. Mosquito borne diseases like malaria, dengue, equine encephalitis, West Nile, Mayaro or Chikungunya are zoonoses with increasing incidence in last years in tropical and temperate countries. Vertebrates can also transmit serious zoonoses, highlighting the role of some carnivorous animals in rabies dissemination or the spread of rodent borne diseases in several rural and urban areas. Moreover, the significance of other food borne zoonoses such as taeniasis, trichinellosis or toxoplasmosis may not been underestimated. According to WHO, FAO and OIE guidelines an emerging zoonotic disease can be defined as a zoonosis that is newly recognized or newly evolved, or that has occurred previously but shows an increase of incidence or expansion in geographical, host or vector range. There are many factors that can provoke or accelerate the emergence of zoonoses, such as environmental changes, habitat modifications, variations of human and animal demography, pathogens and vectors anomalous mobilization related with human practices and globalization, deterioration of the strategies of vector control or changes in pathogen genetics. To reduce public health risks from zoonoses is absolutely necessary to acquire an integrative perspective that includes the study of the complexity of interactions among humans, animals and environment in order to be able to fight against these issues of primary interest for human health. In any case, although zoonoses represent significant public health threats, many of them still remain as neglected diseases and consequently are not prioritized by some health international organisms.

The Rise of Victimhood Culture offers a framework for understanding recent moral conflicts at U.S. universities, which have bled into society at large. These are not the familiar clashes between liberals and conservatives or the religious and the secular: instead, they are clashes between a new moral culture—victimhood culture—and a more traditional culture of dignity. Even as students increasingly demand trigger warnings and “safe spaces,” many young people are quick to police the words and deeds of others, who in turn claim that political correctness has run amok. Interestingly, members of both camps often consider themselves victims of the other. In tracking the rise of victimhood culture, Bradley Campbell and Jason Manning help to decode an often dizzying cultural milieu, from campus riots over conservative speakers and debates around free speech to the election of Donald Trump.

Create dynamic cloud-based websites with Amazon Web Services and this friendly guide! As the largest cloud computing platform in the world, Amazon Web Services (AWS) provides one of the most popular web services options available. This easy-to-understand guide is the perfect introduction to the Amazon Web Services platform and all it can do for you. You'll learn about the Amazon Web Services tool set; how different web services (including S3, Amazon EC2, and Amazon Flexible Payments) and Glacier work; and how you can implement AWS in your organization. Explains how to use Amazon Web Services to store objects, take payments, manage large quantities of data, send e-mails, deploy push notifications, and more from your website Details how AWS can reduce costs, improve efficiency, increase productivity, and cut down on expensive hardware investments - and administrative headaches - in your organization Includes practical examples and helpful step-by-step lists to help you experiment with different AWS features and create a robust website that meets your needs Amazon Web Services For Dummies is exactly what you need to get your head in the cloud with Amazon Web Services!

This book enhances the original NIST SP 800-53 rev 4 Security and Privacy Controls for Information Systems publication. NIST SP 800-53 rev 4 is a reference publication that establishes controls for federal information systems and organizations. It is used as a key part in the process of protecting and assessing the security posture of information systems. The security controls protect the confidentiality, integrity, and availability (CIA) of the system and its information. The Publication is enhanced by making the following changes while maintaining the original content:1.Add Illustrations2.Explain Security Controls Purpose and Use in Plain Language (Enhanced Supplemental Guidance) 3.Document Formatting Improvements for Easier Reading 4.Remove Lesser Used Sections

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. The Handbook of Research on Big Data Storage and Visualization Techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields. Featuring coverage on a broad range of topics, such as architecture patterns, programing systems, and computational energy, this publication is geared towards professionals, researchers, and students seeking current research and application topics on the subject.

Medical Imaging Informatics provides an overview of this growing discipline, which stems from an intersection of biomedical informatics, medical imaging, computer science and medicine. Supporting two complementary views, this volume explores the fundamental technologies and algorithms that comprise this field, as well as the application of medical imaging informatics to subsequently improve healthcare research. Clearly written in a four part structure, this introduction follows natural healthcare processes, illustrating the roles of data collection and standardization, context extraction and modeling, and medical decision making tools and applications. Medical Imaging Informatics identifies core concepts within the field, explores research challenges that drive development, and includes current state-of-the-art methods and strategies.

This book features high-quality, peer-reviewed papers from the International Conference on Recent Advancement in Computer, Communication and Computational Sciences (RACCCS 2019), held at Aryabhata College of Engineering & Research Center, Ajmer, India, on August 16–17, 2019. Presenting the latest developments and technical solutions in computational sciences, it covers a variety of topics, such as intelligent hardware and software design, advanced communications, intelligent computing technologies, advanced software engineering, the web and informatics, and intelligent image processing. As such it helps those in the computer industry and academia to use the advances in next-generation communication and computational technology to shape real-world applications.

This book collects articles presented at the 13th International Conference on Information Technology- New Generations, April, 2016, in Las Vegas, NV USA. It includes over 100 chapters on critical areas of IT including Web Technology, Communications, Security, and Data Mining.

Security Controls Evaluation, Testing, and Assessment Handbook, Second Edition, provides a current and well-developed approach to evaluate and test IT security controls to prove they are functioning correctly. This handbook discusses the world of threats and potential breach actions surrounding all industries and systems. Sections cover how to take FISMA, NIST Guidance, and DOD actions, while also providing a detailed, hands-on guide to performing assessment events for information security professionals in US federal agencies. This handbook uses the DOD Knowledge Service and the NIST Families assessment guides as the basis for needs assessment, requirements and evaluation efforts. Provides direction on how to use SP800-53A, SP800-115, DOD Knowledge Service, and the NIST Families assessment guides to implement thorough evaluation efforts Shows readers how to implement proper evaluation, testing, assessment procedures and methodologies, with step-by-step walkthroughs of all key concepts Presents assessment techniques for each type of control, provides evidence of assessment, and includes proper reporting techniques

Your Complete Guide to Cloud Computing and Migrating to the Cloud. This book covers not only the technical details of how public and private cloud technology works but also the strategy, technical design, and in-depth implementation details required to migrate existing applications to the cloud. After reading this book, you will have a much better understanding of cloud technology and the steps required to quickly reap its benefits while at the same time lowering your IT implementation risk. Written by a proven expert in cloud computing, business management, network engineering, and IT security. This is a must-read for IT management, CIOs, senior IT engineers, and program managers in the government, DoD, and commercial sectors.

This book provides an up-to-date overview of the Mössbauer effect in physics, chemistry, electrochemistry, catalysis, biology, medicine, geology, mineralogy, archaeology and materials science. Coverage details the most recent developments of the technique especially in the fields of nanoparticles, thin films, surfaces, interfaces, magnetism, experimentation, theory, medical and industrial applications and Mars exploration.

This volume represents the 18th International Conference on Information Technology - New Generations (ITNG), 2021. ITNG is an annual event focusing on state of the art technologies pertaining to digital

information and communications. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, security, and health care are the among topics of relevance to ITNG. Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help the information readily flow to the user are of special interest. Machine Learning, Robotics, High Performance Computing, and Innovative Methods of Computing are examples of related topics. The conference features keynote speakers, a best student award, poster award, service award, a technical open panel, and workshops/exhibits from industry, government and academia. This publication is unique as it captures modern trends in IT with a balance of theoretical and experimental work. Most other work focus either on theoretical or experimental, but not both. Accordingly, we do not know of any competitive literature.

Published to accompany an exhibition opening at the Queen's Gallery, the Palace of Holyroodhouse, in April 2010 and the Queen's Gallery, Buckingham Palace, in April 2011.

This Encyclopedia is the first to compile pseudonyms from all over the world, from all ages and occupations in a single work: some 500,000 pseudonyms of roughly 270,000 people are deciphered here.

Besides pseudonyms in the narrower sense, initials, nick names, order names, birth and married names etc. are included. The volumes 1 to 9 list persons by their real names in alphabetical order. To make the unequivocal identification of a person easier, year and place of birth and death are provided where available, as are profession, nationality, the pseudonym under which the person was known, and finally, the sources used. The names of professions given in the source material have been translated into English especially for this encyclopaedia. In the second part, covering the volumes 10 to 16, the pseudonyms are listed alphabetically and the real names provided. Approx. 500,000 pseudonyms of about 270,000 persons First encyclopedia including pseudonyms from all over the world, all times and all occupations Essential research tool for anyone wishing to identify persons and names for his research within one single work

This book is designed for use as a primary textbook for a course in cloud computing or as a resource for professionals in industry seeking to explore cloud services. The book highlights the recent developments in distributed computing and details the architecture, virtualization concepts, and security concerns of cloud computing. It also provides a detailed understanding of the benefits of cloud computing that can encourage enterprises to switch to the cloud. Features: - Provides a basic understanding of the computing paradigm of cloud computing - Gives a brief introduction to cloud computing, its architecture, and the Hadoop distributed file system - Deals with cloud management concepts like scalable, fault tolerance, resiliency, provisioning, asset management, cloud governance, high availability, disaster recovery, and multi-tenancy - Includes case studies on MS Azure, Google, Amazon Web Services, Aneka, etc.

Above all don't use the word good as though it meant something in evolutionary science. The Hard Problem is a tour de force, exploring fundamental questions of how we experience the world, as well as telling the moving story of a young woman whose struggle for understanding her own life and the lives of others leads her to question the deeply held beliefs of those around her. Hilary, a young psychology researcher at the Krohl Institute for Brain Science, is nursing a private sorrow and a troubling question. She and other researchers at the institute are grappling with what science calls the "hard problem"—if there is nothing but matter, what is consciousness? What Hilary discovers puts her fundamentally at odds with her colleagues, who include her first mentor and one-time lover, Spike; her boss, Leo; and the billionaire founder of the institute, Jerry. Hilary needs a miracle, and she is prepared to pray for one.

Explores cloud computing, breaking down the concepts, models, mechanisms, and architectures of this technology while allowing for the financial assessment of resources and how they compare to traditional storage systems.

Automation in Garment Manufacturing provides systematic and comprehensive insights into this multifaceted process. Chapters cover the role of automation in design and product development, including color matching, fabric inspection, 3D body scanning, computer-aided design and prototyping. Part Two covers automation in garment production, from handling, spreading and cutting, through to finishing and pressing techniques. Final chapters discuss advanced tools for assessing productivity in manufacturing, logistics and supply-chain management. This book is a key resource for all those engaged in textile and apparel development and production, and is also ideal for academics engaged in research on textile science and technology. Delivers theoretical and practical guidance on automated processes that benefit anyone developing or manufacturing textile products Offers a range of perspectives on manufacturing from an international team of authors Provides systematic and comprehensive coverage of the topic, from fabric construction, through product development, to current and potential applications

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She fears for her safety. Her sanity. Her life. When Grazyna Zaluski's marriage takes an ugly turn, she finds herself isolated in a remote corner of Wyoming. Her husband's family controls almost everyone and everything in the county... including the courts. Is divorce an option for a young immigrant living in the United States on a visa? Will her husband simply sweep away the problem of Grazyna, or even—quite literally—bury it? Grazyna's worried uncle begs Tony Valenti to take on the case. Tony and his partner don't practice in Wyoming, yet going to bat for the vulnerable and downtrodden is what they do. They throw themselves into the fray and are quickly embroiled in a fight that may be to the death. With danger also coming at him from unexpected directions, Tony must rely on his guts and guile to survive long enough to rescue his client... and himself. "A character-driven thriller that fearlessly reveals the dark corners of human nature – misogyny, greed, violence, power, and control. Driven by strong dialogue, unpredictable twists, and more than a dash of colloquial country charm, this savagely honest novel is a stellar addition to the Toni Valenti Thriller series." Self-Publishing Review, ???½

This book helps decision makers grasp the importance, and applicability to business, of the new technologies and extended connectivity of systems that underlie what is becoming known as the Fourth Industrial Revolution: technologies and systems such as artificial intelligence, machine learning, 3D printing, the internet of things, virtual and augmented reality, big data and mobile networks. The WEF, OECD and UN all agree that humanity is on the cusp of the Fourth Industrial Revolution. As intelligent systems become integrated into every aspect of our lives this revolution will induce cultural and societal change of a magnitude hitherto unforeseen. These technologies challenge the values, customer experience and business propositions that have been the mainstay of almost every business and organization in existence. By redefining and encapsulating new value structures with emerging intelligent technologies, new innovative models are being created, and brought to market. Understanding the potential and impact of these changes will be a fundamental leadership requirement over the coming years. Skilton and Hovsepian provide decision makers with practical, independent and authoritative guidance to help them prepare for the changes we are all likely to witness due to the rapid convergence of technological advances. In short, bite-sized, nuggets, with frameworks supported by a deep set of practical and up-to-the-minute case studies, they shine light on the new business models and enterprise architectures emerging as businesses seek

to build strategies to thrive within this brave new world.

The Brownings Their Life and Art Lilian Whiting CHAPTER I 1812-1833 "Allons! after the Great Companions! and to belong to them!" "To know the universe itself as a road-as many roads-asroads for travelling souls." The Most Exquisite Romance of Modern Life-Ancestry and Youth of Robert Browning-Love of Music-Formative Influences-The Fascination of Byron-A Home "Crammed with Books"-The Spell of Shelley-"Incondita"-Poetic Vocation Definitely Chosen-"Pauline." Such a very page de Contes is the life of the wedded poets, Robert and Elizabeth Barrett Browning, that it is difficult to realize that this immortal idyl of Poetry, Genius, and Love was less than fifteen years in duration, out of his seventy-seven, and her fifty-five years of life. It is a story that has touched the entire world ..". with mystic gleams, Like fragments of forgotten dreams," this story of beautiful associations and friendships, of artistic creation, and of the entrance on a wonderful realm of inspiration and loveliness. At the time of their marriage he was in his thirty-fifth, and she in her forty-first year, although she is described as looking so youthful that she was like a girl, in her slender, flower-like grace; and he lived on for twenty-eight years after "Clouds and darkness Fell upon Camelot," with the death of his "Lyric Love." The story of the most beautiful romance that the world has ever known thus falls into three distinctive periods, -that of the separate life of each up to the time of their marriage; their married life, with its scenic setting in the enchantment of Italy; and his life after her withdrawal from earthly scenes. The story is also of duplex texture; for the outer life, rich in associations, travel, impressions, is but the visible side of the life of great creative art. A delightful journey is made, but its record is not limited to the enjoyment of friends and place; a poem is written whose charm and power persist through all the years. We are delighted to publish this classic book as part of our extensive Classic Library collection. Many of the books in our collection have been out of print for decades, and therefore have not been accessible to the general public. The aim of our publishing program is to facilitate rapid access to this vast reservoir of literature, and our view is that this is a significant literary work, which deserves to be brought back into print after many decades. The contents of the vast majority of titles in the Classic Library have been scanned from the original works. To ensure a high quality product, each title has been meticulously hand curated by our staff. Our philosophy has been guided by a desire to provide the reader with a book that is as close as possible to ownership of the original work. We hope that you will enjoy this wonderful classic work, and that for you it becomes an enriching experience.

Now in its second edition, Climatology continues to provide an up-to-date stimulating and comprehensive guide to the nature of the earth's climate. It presents a synthesis of contemporary scientific ideas about atmospheric circulation. Topics covered include: -Energy systems-The hydrological cycle-General circulation, local and regional climate-Application of climate information-Use of satellite observations

The easy way to understand and implement cloud computing technology written by a team of experts Cloud computing can be difficult to understand at first, but the cost-saving possibilities are great and many companies are getting on board. If you've been put in charge of implementing cloud computing, this straightforward, plain-English guide clears up the confusion and helps you get your plan in place. You'll learn how cloud computing enables you to run a more green IT infrastructure, and access technology-enabled services from the Internet ("in the cloud") without having to understand, manage, or invest in the technology infrastructure that supports them. You'll also find out what you need to consider when implementing a plan, how to handle security issues, and more. Cloud computing is a way for businesses to take advantage of storage and virtual services through the Internet, saving money on infrastructure and support This book provides a clear definition of cloud computing from the utility computing standpoint and also addresses security concerns Offers practical guidance on delivering and managing cloud computing services effectively and efficiently Presents a proactive and pragmatic approach to implementing cloud computing in any organization Helps IT managers and staff understand the benefits and challenges of cloud computing, how to select a service, and what's involved in getting it up and running Highly experienced author team consults and gives presentations on emerging technologies Cloud Computing For Dummies gets straight to the point, providing the practical information you need to know.

This volume presents a collection of peer-reviewed, scientific articles from the 14th International Conference on Information Technology – New Generations, held at the University of Nevada at Las Vegas on April 10–12, at Tuscan Suites Hotel in Las Vegas. The Book of Chapters addresses critical areas of information technology including web technology, communications, computing architectures, software engineering, security, and data mining.

Modern astronomers encounter a vast range of challenging statistical problems, yet few are familiar with the wealth of techniques developed by statisticians. Conversely, few statisticians deal with the compelling problems confronted in astronomy. Astrostatistics bridges this gap. Authored by a statistician-astronomer team, it provides professionals and advanced students in both fields with exposure to issues of mutual interest. In the first half of the book the authors introduce statisticians to stellar, galactic, and cosmological astronomy and discuss the complex character of astronomical data. For astronomers, they introduce the statistical principles of nonparametrics, multivariate analysis, time series analysis, density estimation, and resampling methods. The second half of the book is organized by statistical topic. Each chapter contains examples of problems encountered astronomical research and highlights methodological issues. The final chapter explores some controversial issues in astronomy that have a strong statistical component. The authors provide an extensive bibliography and references to software for implementing statistical methods. The "marriage" of astronomy and statistics is a natural one and benefits both disciplines. Astronomers need the tools and methods of statistics to interpret the vast amount of data they generate, and the issues related to astronomical data pose intriguing challenges for statisticians. Astrostatistics paves the way to improved statistical analysis of astronomical data and provides a common ground for future collaboration between the two fields.

Ambient ionization has emerged as one of the hottest and fastest growing topics in mass spectrometry enabling sample analysis with minimal sample preparation. Introducing the subject and explaining the basic concepts and terminology, this book will provide a comprehensive, unique treatise devoted to the subject. Written by acknowledged experts, there are full descriptions on how new ionization techniques work, with an overview of their strengths, weaknesses and applications. This title will bring the reader right up to date, with both applications and theory, and will be suitable as a tutorial text for those starting in the field from a variety of disciplines.

Show your students how to master and maximize enterprise resource planning (ERP) software -- which continues to become more critical in business today - with the latest edition of Monk/Wagner's successful CONCEPTS IN ENTERPRISE RESOURCE PLANNING. Equip students to use ERP tools to increase growth and productivity as they learn how to effectively combine an organization's numerous functions into one comprehensive, integrated system. CONCEPTS IN ENTERPRISE RESOURCE PLANNING, 4E reflects the latest trends and updates in ERP software while demonstrating how to make the most of this important technology. The authors introduce the basic functional areas of business and how they are related. The book demonstrates how information systems that are not effectively integrated fail to support business functions and business processes that extend across functional area boundaries. By contrast, students clearly see how integrated information systems help organizations improve business process and provide managers with accurate, consistent, and current data for making informed strategic decisions. All-new sidebar cases and real examples throughout this edition not only thoroughly introduce the practical aspects of enterprise resource planning, but also prepare readers for ongoing ERP success in business today and tomorrow. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Visually rich Netter artwork and detailed yet concise text provide you with an overview of general neurology and its intersection with internal medicine, neurosurgery, ophthalmology, psychiatry, and orthopedics.

About the Book Recent industry surveys expect the cloud computing services market to be in excess of \$20 billion and cloud computing jobs to be in excess of 10 million worldwide in 2014 alone. In addition, since a majority of existing information technology (IT) jobs is focused on maintaining legacy in-house systems, the demand for these kinds of jobs is likely to drop rapidly if cloud computing continues to take hold of the industry. However, there are very few educational options available in the area of cloud computing beyond vendor-specific training by cloud providers themselves. Cloud computing courses have not found their way (yet) into mainstream college curricula. This book is written as a textbook on cloud computing for educational programs at colleges. It can also be used by cloud service providers who may be interested in offering a broader perspective of cloud computing to accompany their own customer and employee training programs. The typical reader is expected to have completed a couple of courses in programming using traditional high-level languages at the college-level, and is either a senior or a beginning graduate student in one of the science, technology, engineering or mathematics (STEM) fields. We have tried to write a comprehensive book that transfers knowledge through an immersive "hands-on approach", where the reader is provided the necessary guidance and knowledge to develop working code for real-world cloud applications. Additional support is available at the book's website: [www.cloudcomputingbook.info](http://www.cloudcomputingbook.info) Organization The book is organized into three main parts. Part I covers technologies that form the foundations of cloud computing. These include topics such as virtualization, load balancing, scalability & elasticity, deployment, and replication. Part II introduces the reader to the design & programming aspects of cloud computing. Case studies on design and implementation of several cloud applications in the areas such as image processing, live streaming and social networks analytics are provided. Part III introduces the reader to specialized aspects of cloud computing including cloud application benchmarking, cloud security, multimedia applications and big data analytics. Case studies in areas such as IT, healthcare, transportation, networking and education are provided.

This comprehensive guide to Bayesian methods in astronomy enables hands-on work by supplying complete R, JAGS, Python, and Stan code, to use directly or to adapt. It begins by examining the normal model from both frequentist and Bayesian perspectives and then progresses to a full range of Bayesian generalized linear and mixed or hierarchical models, as well as additional types of models such as ABC and INLA. The book provides code that is largely unavailable elsewhere and includes details on interpreting and evaluating Bayesian models. Initial discussions offer models in synthetic form so that readers can easily adapt them to their own data; later the models are applied to real astronomical data. The consistent focus is on hands-on modeling, analysis of data, and interpretations that address scientific questions. A must-have for astronomers, its concrete approach will also be attractive to researchers in the sciences more generally.

Cloud computing is the most significant technology development of our lifetimes. It has made countless new businesses possible and presents a massive opportunity for large enterprises to innovate like startups and retire decades of technical debt. But making the most of the cloud requires much more from enterprises than just a technology change. Stephen Orban led Dow Jones's journey toward digital agility as their CIO and now leads AWS's Enterprise Strategy function, where he helps leaders from the largest companies in the world transform their businesses. As he demonstrates in this book, enterprises must re-train their people, evolve their processes, and transform their cultures as they move to the cloud. By bringing together his experiences and those of a number of business leaders, Orban shines a light on what works, what doesn't, and how enterprises can transform themselves using the cloud.

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