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Machine Learning and Big Data The PAYTECH Book Social Media Listening and Monitoring for Business Applications A Companion to the Anthropology of India INTRODUCTION TO NUMERICAL METHODS IN CHEMICAL ENGINEERING, SECOND EDITION Energy Practical Civil Engineering Virtual and Augmented Reality: Concepts, Methodologies, Tools, and Applications Enterprise Management Strategies in the Era of Cloud Computing Decision Processes by Using Bivariate Normal Quantile Pairs Convection Heat Transfer Trade in Services in South Asia Startups and Beyond: Building Enduring Organizations The InfoSec Handbook GATE AND PGECET FOR COMPUTER SCIENCE AND INFORMATION TECHNOLOGY, Second Edition A Companion to the History of the Book Web Services: Concepts, Methodologies, Tools, and Applications Making Healthcare Green Thermodynamics and an Introduction to Thermostatistics Electromagnetics for Engineering Students Part I Microwave Engineering Selenium Contamination in Water BIOCHEMICAL CALCULATIONS, 2ND ED The AI Book The Mughals of India Green Synthesis of Nanomaterials for Bioenergy Applications Integration of Distributed Generation in the Power System Minutes Taken at the Several Annual Conferences of the Methodist Episcopal Church in the United States of America The Handbook of Media Education Research The Wiley Handbook of Global Educational Reform The Official ACT Prep Guide, 2016 - 2017 Reinforced Polymer Composites Capital Markets of India DAMODARAN ON VALUATION, 2ND ED The Wiley Handbook of Vocational Education and Training Statistical Mechanics India Today The Publishers Weekly Get Programming with JavaScript Kehinde Wiley

Virtual and augmented reality is the next frontier of technological innovation. As technology exponentially evolves, so do the ways in which humans interact and depend upon it. Virtual and Augmented Reality: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on the trends, techniques, and uses of virtual and augmented reality in various fields, and examines the benefits and challenges of these developments. Highlighting a range of pertinent topics, such as human-computer interaction, digital self-identity, and virtual reconstruction, this multi-volume book is ideally designed for researchers, academics, professionals, theorists, students, and practitioners interested in emerging technology applications across the digital plane. Summary Get Programming with JavaScript is a hands-on introduction to programming for readers who have never programmed. You'll be writing your own web apps, games, and programs in no time! Foreword by Remy Sharp. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Are you ready to start writing your own web apps, games, and programs? You're in the right place! Get Programming with JavaScript is a hands-on introduction to programming for readers who have never written a line of code. Since you're just getting started, this friendly book offers you lots of examples backed by careful explanations. As you go along, you'll find exercises to check your understanding and plenty of opportunities to practice your new skills. You don't need anything special to follow the examples—just the text editor and web browser already installed on your computer. We even give you links to working online code so you can see how everything should look live on your screen. What's Inside All the basics—objects, functions, responding to users, and more Think like a coder and design your own programs Create a text-based adventure game Enhance web pages with JavaScript Run your programs in a web browser Four bonus chapters available online About the Reader No experience required! All you need is a web browser and an internet connection. About the Author John Larsen is a mathematics and computing teacher with an interest in educational research. He has an MA in mathematics and an MSc in information technology. He started programming in 1982, writing simple programs for teaching mathematics in 1993, building websites in 2001, and developing data-driven web-based applications for education in 2006. Table of Contents PART 1 CORE CONCEPTS ON THE CONSOLE Programming, JavaScript, and JS Bin Variables: storing data in your program Objects: grouping your data Functions: code on demand Arguments: passing data to functions Return values: getting data from functions Object arguments: functions working with objects Arrays: putting data into lists Constructors: building objects with functions Bracket notation: flexible property names PART 2 ORGANIZING YOUR PROGRAMS Scope: hiding information Conditions: choosing code to run Modules: breaking a program into pieces Models: working with data Views: displaying data Controllers: linking models and views PART 3 JAVASCRIPT IN THE BROWSER HTML: building web pages Controls: getting user input Templates: filling placeholders with data XHR: loading data Conclusion: get programming with JavaScript BONUS ONLINE CHAPTERS Node: running JavaScript outside the browser Express: building an API Polling: repeating requests with XHR Socket.IO: real-time messaging Web service technologies are redefining the way that large and small companies are doing business and exchanging information. Due to the critical need for furthering automation, engagement, and efficiency, systems and workflows are becoming increasingly more web-based. Web Services: Concepts, Methodologies, Tools, and Applications is

an innovative reference source that examines relevant theoretical frameworks, current practice guidelines, industry standards and standardization, and the latest empirical research findings in web services. Highlighting a range of topics such as cloud computing, quality of service, and semantic web, this multi-volume book is designed for computer engineers, IT specialists, software designers, professionals, researchers, and upper-level students interested in web services architecture, frameworks, and security. An authoritative summary of the quest for an environmentally sustainable synthesis process of nanomaterials and their application for environmental sustainability

Green Synthesis of Nanomaterials for Bioenergy Applications is an important guide that provides information on the fabrication of nanomaterial and the application of low cost, green methods. The book also explores the impact on various existing bioenergy approaches. Throughout the book, the contributors—noted experts on the topic—offer a reliable summary of the quest for an environmentally sustainable synthesis process of nanomaterials and their application to the field of environmental sustainability. The green synthesis of nanoparticles process has been widely accepted as a promising technique that can be applied to a variety of fields. The green nanotechnology-based production processes to fabricate nanomaterials operates under green conditions without the intervention of toxic chemicals. The book's exploration of more reliable and sustainable processes for the synthesis of nanomaterials, can lead to the commercial application of the economically viability of low-cost biofuels production. This important book: Summarizes the quest for an environmentally sustainable synthesis process of nanomaterials for their application to the field of environmental sustainability Offers an alternate, sustainable green energy approach that can be commercially implemented worldwide Covers recent approaches such as fabrication of nanomaterial that apply low cost, green methods and examines its impact on various existing bioenergy applications Written for researchers, academics and students of nanotechnology, nanosciences, bioenergy, material science, environmental sciences, and pollution control, Green Synthesis of Nanomaterials for Bioenergy Applications is a must-have guide that covers green synthesis and characterization of nanomaterials for cost effective bioenergy applications. Energy Global energy demand has more than doubled since 1970. The use of energy is strongly related to almost every conceivable aspect of development: wealth, health, nutrition, water, infrastructure, education and even life expectancy itself are strongly and significantly related to the consumption of energy per capita. Many development indicators are strongly related to per-capita energy consumption. Fossil fuel is the most conventional source of energy but also increases greenhouse gas emissions. The economic development of many countries has come at the cost of the environment. However, it should not be presumed that a reconciliation of the two is not possible. The nexus concept is the interconnection between the resource energy, water, food, land, and climate. Such interconnections enable us to address trade-offs and seek synergies among them. Energy, water, food, land, and climate are essential resources of our natural environment and support our quality of life. Competition between these resources is increasing globally and is exacerbated by climate change. Improving resilience and securing resource availability would require improving resource efficiency. Many policies and programs are announced nationally and internationally for replacing the conventional mode and also emphasizing on conservation of fossil fuels and reuse of exhausted energy, so a gap in implications and outcomes can be broadly traced by comparing the data. This book aims to highlight problems and solutions related to conventional energy utilization, formation, and multitudes of ecological impacts and tools for the conservation of fossil fuels. The book also discusses modern energy services as one of the sustainable development goals and how the pressure on resource energy disturbs the natural flows. The recent advances in alternative energy sources and their possible future growth are discussed and on how conventional energy leads to greenhouse gas formation, which reduces energy use efficiency. The different policies and models operating is also addressed, and the gaps that remained between them. Climate change poses a challenge for renewable energy, and thus it is essential to identify the factors that would reduce the possibility of relying on sustainable energy sources. This book will be of interest to researchers and stakeholders, students, industries, NGOs, and governmental agencies directly or indirectly associated with energy research. Pozar's new edition of Microwave Engineering includes more material on active circuits, noise, nonlinear effects, and wireless systems. Chapters on noise and nonlinear distortion, and active devices have been added along with the coverage of noise and more material on intermodulation distortion and related nonlinear effects. On active devices, there's more updated material on bipolar junction and field effect transistors. New and updated material on wireless communications systems, including link budget, link margin, digital modulation methods, and bit error rates is also part of the new edition. Other new material includes a section on transients on transmission lines, the theory of power waves, a discussion of higher order modes and frequency effects for microstrip line, and a discussion of how to determine unloaded. Capital Markets in India: An Investor's Guide aims to provide the first comprehensive book on investing in the India markets. India is right now at the forefront of globalization. The book's focus is on the equity market, but it also addresses derivatives, fixed income, and foreign direct investments. Chapter topics include facts about the Indian economy; the Foreign Institutional Investor (FII) regulations, registration process, and applications; detail about the market regulation and the regulator; the very important market safeguards built into the Indian market systems; and lists of companies ranked by various criteria such as capitalization, turnover, industry, and earnings. The book even supplies investors and traders with contact

information for many of the key institutions and market players. Readers will not only gain basic information about how the markets in India work, but also the contacts and facts to help them with their own investing plan. This innovative book explores of the grandest and longest lasting empire in Indian history. Examines the history of the Mughal presence in India from 1526 to the mid-eighteenth century Creates a new framework for understanding the Mughal empire by addressing themes that have not been explored before. Subtly traces the legacy of the Mughals' world into today's India. The book provides primary information about civil engineering to both a civil and non-civil engineering audience in areas such as construction management, estate management, and building. Basic civil engineering topics like surveying, building materials, construction technology and management, concrete technology, steel structures, soil mechanics and foundations, water resources, transportation and environment engineering are explained in detail. Codal provisions of US, UK and India are included to cater to a global audience. Insights into techniques like modern surveying equipment and technologies, sustainable construction materials, and modern construction materials are also included. Key features:

- Provides a concise presentation of theory and practice for all technical in civil engineering.
- Contains detailed theory with lucid illustrations.
- Focuses on the management aspects of a civil engineer's job.
- Addresses contemporary issues such as permitting, globalization, sustainability, and emerging technologies.
- Includes codal provisions of US, UK and India.

The book is aimed at professionals and senior undergraduate students in civil engineering, non-specialist civil engineering audience The InfoSec Handbook offers the reader an organized layout of information that is easily read and understood. Allowing beginners to enter the field and understand the key concepts and ideas, while still keeping the experienced readers updated on topics and concepts. It is intended mainly for beginners to the field of information security, written in a way that makes it easy for them to understand the detailed content of the book. The book offers a practical and simple view of the security practices while still offering somewhat technical and detailed information relating to security. It helps the reader build a strong foundation of information, allowing them to move forward from the book with a larger knowledge base. Security is a constantly growing concern that everyone must deal with. Whether it's an average computer user or a highly skilled computer user, they are always confronted with different security risks. These risks range in danger and should always be dealt with accordingly. Unfortunately, not everyone is aware of the dangers or how to prevent them and this is where most of the issues arise in information technology (IT). When computer users do not take security into account many issues can arise from that like system compromises or loss of data and information. This is an obvious issue that is present with all computer users. This book is intended to educate the average and experienced user of what kinds of different security practices and standards exist. It will also cover how to manage security software and updates in order to be as protected as possible from all of the threats that they face. The Wiley Handbook of Global Educational Reform examines educational reform from a global perspective. Comprised of approximately 25 original and specially commissioned essays, which together interrogate educational reform from a critical global and transnational perspective, this volume explores a range of topics and themes that fully investigate global convergences in educational reform policies, ideologies, and practices. The Handbook probes the history, ideology, organization, and institutional foundations of global educational reform movements; actors, institutions, and agendas; and local, national, and global education reform trends. It further examines the "new managerialism" in global educational reform, including the standardization of national systems of educational governance, curriculum, teaching, and learning through the rise of new systems of privatization, accountability, audit, big-data, learning analytics, biometrics, and new technology-driven adaptive learning models. Finally, it takes on the subjective and intersubjective experiential dimensions of the new educational reforms and alternative paths for educational reform tied to the ethical imperative to reimagine education for human flourishing, justice, and equality. An authoritative, definitive volume and the first global take on a subject that is grabbing headlines as well as preoccupying policy makers, scholars, and teachers around the world Edited by distinguished leaders in the field Features contributions from an illustrious list of experts and scholars The Wiley Handbook of Global Educational Reform will be of great interest to scholars and graduate students of education throughout the world as well as the policy makers who can institute change. This book is an exhaustive presentation of the applications of numerical methods in chemical engineering. Intended primarily as a textbook for B.E./B.Tech and M.Tech students of chemical engineering, the book will also be useful for research and development/process professionals in the fields of chemical, biochemical, mechanical and biomedical engineering. The book, now, in its second edition, comprises three parts. Part I on General Chemical Engineering is same as given in the first edition of the book. It explains solving linear and non-linear algebraic equations, chemical engineering thermodynamics problems, initial value problems, boundary value problems and topics related to chemical reaction, dispersion and diffusion as well as steady and transient heat conduction. Whereas, Part II and Part III comprising two chapters and six chapters, respectively, are newly introduced in the present edition. Besides, three appendices covering computer programs have been included. For practice, the book provides students with numerous worked-out examples and chapter-end exercises including their answers. NEW TO THE SECOND EDITION • Part II on Fixed Bed Catalytic Reactor consists of solving multiple gas phase reactions in a PFR, diffusion and multiple reactions in a catalytic pellet,

and fixed bed catalytic reactor with multiple reactions. • Part III on Multicomponent Distillation consists of solving vapour-liquid-liquid isothermal flash using NRTL model, adiabatic flash using Wilson model, bubble point method, theta method and Naphtali-Sandholm method for distillation using modified Raoult's law with Wilson activity coefficient model. Written by prominent thought leaders in the global fintech space, *The AI Book* aggregates diverse expertise into a single, informative volume and explains what artificial intelligence really means and how it can be used across financial services today. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: · Understanding the AI Portfolio: from machine learning to chatbots, to natural language processing (NLP); a deep dive into the Machine Intelligence Landscape; essentials on core technologies, rethinking enterprise, rethinking industries, rethinking humans; quantum computing and next-generation AI · AI experimentation and embedded usage, and the change in business model, value proposition, organisation, customer and co-worker experiences in today's Financial Services Industry · The future state of financial services and capital markets – what's next for the real-world implementation of AITech? · The innovating customer – users are not waiting for the financial services industry to work out how AI can re-shape their sector, profitability and competitiveness · Boardroom issues created and magnified by AI trends, including conduct, regulation & oversight in an algo-driven world, cybersecurity, diversity & inclusion, data privacy, the 'unbundled corporation' & the future of work, social responsibility, sustainability, and the new leadership imperatives · Ethical considerations of deploying AI solutions and why explainable AI is so important

A Companion to the Anthropology of India offers a broad overview of the rapidly evolving scholarship on Indian society from the earliest area studies to views of India's globalization in the twenty-first century. Provides readers with an important new introduction to the anthropology of India Explores the larger global issues that have transformed India since the end of colonization, including demographic, economic, social, cultural, political, and religious issues Contributions by leading experts present up-to-date, comprehensive coverage of key topics such as population and life expectancy, civil society, social-moral relationships, caste and communalism, youth and consumerism, the new urban middle class, environment and health, tourism, public and religious cultures, politics and law Represents an authoritative guide for professional social and cultural anthropologists, and South Asian specialists, and an accessible reference work for students engaged in the analysis of India's modern transformation

A book about statistical mechanics for students. The contamination of environment and water resources by Selenium (Se) and its oxyanions from various sources are emerging contaminants of significant health and environmental concern. The primary sources include agricultural drainage water, mine drainage, residues from fossil fuels, thermoelectric power plants, oil refineries, and metal ores. Various methods and technologies have been developed which focus on the treatment of selenium-containing waters and wastewater. High concentrations of selenium in water cause various adverse impact to human health, such as carcinogenic, genotoxic, and cytotoxic effects. But in the lower concentrations, it is a useful constituent of the biological system. The range between toxicity and deficiency of selenium is minimal (40 to 400 µg per day), due to its dual nature. *Selenium Contamination in Water* contains the latest status and information on selenium's origin, its chemistry and its toxicity to humans. The book represents a comprehensive and advanced reference book for students, researchers, practitioners, and policymakers in working in the field of metalloids, in particular selenium. A special emphasis is given on its geological distribution, monitoring techniques, and remedial technologies. As such, the authors critically analyze the various techniques used for the monitoring and removal of selenium from water. Featuring chapters arranged according to the major themes of the latest research, with specific case-studies from industrial experiences of selenium detection and removal, *Selenium Contamination in Water* will be particularly valued by researchers, practitioners, and policymakers in working in the field of metalloids including selenium. Twenty years ago India was still generally thought of as an archetypal developing country, home to the largest number of poor people of any country in the world, and beset by problems of low economic growth, casteism and violent religious conflict. Now India is being feted as an economic power-house which might well become the second largest economy in the world before the middle of this century. Its democratic traditions, moreover, remain broadly intact. How and why has this historic transformation come about? And what are its implications for the people of India, for Indian society and politics? These are the big questions addressed in this book by three scholars who have lived and researched in different parts of India during the period of this great transformation. Each of the 13 chapters seeks to answer a particular question: When and why did India take off? How did a weak state promote audacious reform? Is government in India becoming more responsive (and to whom)? Does India have a civil society? Does caste still matter? Why is India threatened by a Maoist insurgency? In addressing these and other pressing questions, the authors take full account of vibrant new scholarship that has emerged over the past decade or so, both from Indian writers and India specialists, and from social scientists who have studied India in a comparative context. *India Today* is a comprehensive and compelling text for students of South Asia, political economy, development and comparative politics as well as anyone interested in the future of the world's largest democracy. Graduate Aptitude Test in Engineering (GATE) is one of the recognized national level examinations that demands focussed study along with forethought, systematic planning and exactitude. Postgraduate Engineering Common Entrance Test (PGECET) is also

one of those examinations, a student has to face to get admission in various postgraduate programs. So, in order to become up to snuff for this eligibility clause (qualifying GATE/PGECET), a student facing a very high competition should excel his/her standards to success by way of preparing from the standard books. This book guides students via simple, elegant and explicit presentation that blends theory logically and rigorously with the practical aspects bearing on computer science and information technology. The book not only keeps abreast of all the chapterwise information generally asked in the examinations but also proffers felicitous tips in the furtherance of problem-solving technique.

HIGHLIGHTS OF THE BOOK • Systematic discussion of concepts endowed with ample illustrations • Notes are incorporated at several places giving additional information on the key concepts • Inclusion of solved practice exercises for verbal and numerical aptitude to guide students from practice and examination point of view • Prodigious objective-type questions based on the past years' GATE examination questions with answer keys and in-depth explanation are available at https://www.phindia.com/GATE_AND_PGECET • Every solution lasts with a reference, thus providing a scope for further study

The book, which will prove to be an epitome of learning the concepts of CS and IT for GATE/PGECET examination, is purely intended for the aspirants of GATE and PGECET examinations. It should also be of considerable utility and worth to the aspirants of UGC-NET as well as to those who wish to pursue career in public sector units like ONGC, NTPC, ISRO, BHEL, BARC, DRDO, DVC, Power-grid, IOCL and many more. In addition, the book is also of immense use for the placement coordinators of GATE/PGECET.

TARGET AUDIENCE • GATE/PGECET Examination • UGC-NET Examination • Examinations conducted by PSUs like ONGC, NTPC, ISRO, BHEL, BARC, DRDO, DVC, Power-grid, IOCL and many more

Recent advances in internet architecture have led to the advent and subsequent explosion of cloud computing technologies, providing businesses with a powerful toolbox of collaborative digital resources. These technologies have fostered a more flexible, decentralized approach to IT infrastructure, enabling businesses to operate in a more agile fashion and on a globalized scale. Enterprise Management Strategies in the Era of Cloud Computing seeks to explore the possibilities of business in the cloud. Targeting an audience of research scholars, students, software developers, and business professionals, this premier reference source provides a cutting-edge look at the exciting and multifaceted relationships between cloud computing, software virtualization, collaborative technology, and business infrastructure in the 21st Century.

Key West photobook which includes 74 photographs of Key West landscapes, architecture, and landmarks. The only text to cover both thermodynamic and statistical mechanics--allowing students to fully master thermodynamics at the macroscopic level. Presents essential ideas on critical phenomena developed over the last decade in simple, qualitative terms. This new edition maintains the simple structure of the first and puts new emphasis on pedagogical considerations. Thermostatistics is incorporated into the text without eclipsing macroscopic thermodynamics, and is integrated into the conceptual framework of physical theory. The only globally-crowdsourced book on the future of payments ("PayTech"), offering comprehensive understanding of a rapidly evolving industry at the centre of global commerce

The movement of money between individuals, organisations and governments is crucial to the world economy. The payments industry has undergone immense transformation – new regulations, technologies and consumer demands have prompted significant changes to the tools, products and use cases in payments, as well as presented lucrative opportunities for entrepreneurs and FinTech professionals. As payment technologies become faster and more efficient, companies and investors are increasingly favouring PayTech innovation due to better customer experience, increased revenues and manageable risks. The PAYTECH Book brings together a diverse collection of industry experts to provide entrepreneurs, financial services professionals and investors with the answers they need to capitalise on the highly profitable PayTech market. Written by leaders in the global FinTech and payment sectors, this informative volume explains key industry developments and presents valuable first-hand insights from prominent industry practitioners. Contributors include advisors and consultants to the payments and financial services industry, entrepreneurs and business owners utilising cutting-edge PayTech capabilities, academic researchers exploring the social-political-economic impact of PayTech and many others. Detailed chapters cover essential topics such as cybersecurity, regulation and compliance, wholesale payments and how payment systems currently work and how PayTech can improve them.

This book: Defines PayTech and identifies its key players Discusses how PayTech can transform developed markets and accelerate growth in emerging economies Describes how PayTech fits into the larger FinTech ecosystem Explores the future of PayTech and its potential as an agent of social change and financial inclusion Provides diverse perspectives on investment in PayTech and what consolidation and expansion will look like

The PAYTECH Book: The Payment Technology Handbook for Investors, Entrepreneurs and FinTech Visionaries is an indispensable source of information for FinTech investors and entrepreneurs, managers from payments companies and financial services firms and executives responsible for payments in government, corporations, public sector organisations, retailers and users of payments. Presents state-of-the-art processing techniques and readily applicable knowledge on processing of polymer composites

The book presents the advancement in the field of reinforced polymer composites with emphasis on manufacturing techniques, including processing of different reinforced polymer composites, secondary processing of green composites, and post life cycle processing. It discusses the advantages and limitations of each

processing method and the effect of processing parameters on the overall performance of the composites. Characterization and applications of reinforced polymer composites are also introduced. Reinforced Polymer Composites: Processing, Characterization and Post Life Cycle Assessment starts off by providing readers with a comprehensive overview of the field. It then introduces them to the fabrication of both short fiber/filler reinforced polymer composites and laminated reinforced polymer composites. Next, it takes them through the processing of polymer-based nanocomposites; the many advances in curing methods of reinforced polymer composites; and post life cycle processing, re-processing, and disposal mechanisms of reinforced polymer composites. Numerous other chapters cover: synthetic versus natural fiber reinforced plastics; characterization techniques of reinforced plastics; friction and wear analysis of reinforced plastics; secondary processing of reinforced plastics; and applications of reinforced plastics. -Presents the latest development in materials, processing, and characterization techniques, as well as applications of reinforced polymer composites -Guides users in choosing the best processing methods to produce polymer composites and successfully manufacture high quality products -Assists academics in sorting out basic research questions and helps those in industry manufacture products, such as marine, automotive, aerospace, and sport goods Reinforced Polymer Composites: Processing, Characterization and Post Life Cycle Assessment is an important book for materials scientists, polymer chemists, chemical engineers, process engineers, and anyone involved in the chemical or plastics technology industry. Electromagnetics for Engineering Students starts with an introduction to vector analysis and progressive chapters provide readers with information about dielectric materials, electrostatic and magnetostatic fields, as well as wave propagation in different situations. Each chapter is supported by many illustrative examples and solved problems which serve to explain the principles of the topics and enhance the knowledge of students. In addition to the coverage of classical topics in electromagnetics, the book explains advanced concepts and topics such as the application of multi-pole expansion for scalar and vector potentials, an in depth treatment for the topic of the scalar potential including the boundary-value problems in cylindrical and spherical coordinates systems, metamaterials, artificial magnetic conductors and the concept of negative refractive index. Key features of this textbook include: •detailed and easy-to follow presentation of mathematical analyses and problems •a total of 681 problems (162 illustrative examples, 88 solved problems, and 431 end of chapter problems) •an appendix of mathematical formulae and functions Electromagnetics for Engineering Students is an ideal textbook for first and second year engineering students who are learning about electromagnetism and related mathematical theorems. "400 additional practice questions available online"--Cover. Market_Desc: ·CEOs· Corporate Strategists and other Senior Executives· Investment Analysts· Professors· Students Special Features: ·A widely popular book on valuation, completely revised with stronger content covering the most qualitative and subtle topics in valuation. Book s new emphasis is on corporate strategy and more difficult, qualitative valuation issues (such as the value of transparency in corporate disclosures to shareholders, the value of a CEO and management team, value of good corporate ethics, value of sound environmental policy, etc.)· Fresh real world examples and new valuation tools and issues are addressed, to reflect the more complex realities of corporate and investment valuation in today s marketplace. · Valuation content is now targeting the essential big picture issues faced by CEOs and corporate strategists, such as understanding the links between corporate strategy and value, marketing and value, transparency and value, brands and value, and operational efficiency and value. · Clear differentiation with Investment Valuation 2/e: Investment Valuation has become the nuts and bolts investment valuation book of choice for number crunching analysts and students, and Damodaran on Valuation 2/e becomes the corporate strategy valuation book geared directly CEOs, senior managers, and corporate strategists. About The Book: In order to be a successful CEO or corporate strategist, or an analyst properly valuing competing firms, Damodaran on Valuation stands out as the most comprehensive book on these subtle but critical valuation questions. Now completely revised and updated, it is the ideal book on valuation for CEOs and corporate strategists, and a perfect complement to the widely popular nuts and bolts valuation classic, Investment Valuation 2/e. Damodaran on Valuation will not only convince you of the vitality of the many valuation models available to you, it will help ensure that you develop the acumen needed for the most complex and subtle valuation scenarios. " Acid-Base Chemistry." Chemistry of Biological Molecules." Biochemical Energetics." Enzymes." Spectrophotometry and Other Optical Methods." Isotopes in Biochemistry. A COMPANION TO THE HISTORY OF THE BOOK A COMPANION TO THE HISTORY OF THE BOOK Edited by Simon Eliot and Jonathan Rose "As a stimulating overview of the multidimensional present state of the field, the Companion has no peer." Choice "If you want to understand how cultures come into being, endure, and change, then you need to come to terms with the rich and often surprising history Of the book ... Eliot and Rose have done a fine job. Their volume can be heartily recommended. " Adrian Johns, Technology and Culture From the early Sumerian clay tablet through to the emergence of the electronic text, this Companion provides a continuous and coherent account of the history of the book. A team of expert contributors draws on the latest research in order to offer a cogent, transcontinental narrative. Many of them use illustrative examples and case studies of well-known texts, conveying the excitement surrounding this rapidly developing field. The Companion is organized around four distinct approaches to the history of the book. First, it introduces the variety of methods used by book historians and allied specialists, from the long-

established discipline of bibliography to newer IT-based approaches. Next, it provides a broad chronological survey of the forms and content of texts. The third section situates the book in the context of text culture as a whole, while the final section addresses broader issues, such as literacy, copyright, and the future of the book. Contributors to this volume: Michael Albin, Martin Andrews, Rob Banham, Megan L Benton, Michelle P. Brown, Marie-Francoise Cachin, Hortensia Calvo, Charles Chadwyck-Healey, M. T. Clanchy, Stephen Colclough, Patricia Crain, J. S. Edgren, Simon Eliot, John Feather, David Finkelstein, David Greetham, Robert A. Gross, Deana Heath, Lotte Hellinga, T. H. Howard-Hill, Peter Kornicki, Beth Luey, Paul Luna, Russell L. Martin III, Jean-Yves Mollier, Angus Phillips, Eleanor Robson, Cornelia Roemer, Jonathan Rose, Emile G. L. Schrijver, David J. Shaw, Graham Shaw, Claire Squires, Rietje van Vliet, James Wald, Rowan Watson, Alexis Weedon, Adriaan van der Weel, Wayne A. Wiegand, Eva Hemmungs Wirtén. Discover a powerful 5-stage approach of launching great Startups, and for building successful and lasting organizations. Context: In a volatile and hyper-competitive world, Startups, as well as existing enterprises, are continually challenged to remain relevant. They face questions such as: How to achieve profitable growth? What are the means to truly empathize with customers? What are the best ways to develop entrepreneurial leaders? How to compete on innovation? Whether you are an entrepreneur or a corporate executive, Startups and Beyond provides practical answers to these challenges and more. Who is the book for? Entrepreneurs will discover a structured roadmap for launching successful Startups and for building market traction. Founders and executives at bootstrapped, or venture-backed enterprises, will find insights to achieve profitable growth through flawless execution. Executives at large corporations will unearth practices to create a culture of continuous innovation. The book's unique offering: At the heart of the book is the Maturity Model for Building Enduring Organizations© - a framework that offers a 5-level roadmap towards building successful and resilient organizations. A global first, this framework has been curated with best practices from Entrepreneurship, Design thinking, Execution and Human Capital Management from over 100 organizations worldwide. How does the book work for you? Through this framework, discover how few startups like AirBnB and Ola scale and become dominating forces, while others languish or fade into oblivion. Also, observe how some large enterprises, like Google and General Electric, continue to innovate and grow, while others, like Nokia and Eastman Kodak, stagnate or falter in challenging times. Leverage the book's well-curated practices to create high-performance, innovative and admired organizations that endure. This book is intended for academic and industrial developers, exploring and developing applications in the area of big data and machine learning, including those that are solving technology requirements, evaluation of methodology advances and algorithm demonstrations. The intent of this book is to provide awareness of algorithms used for machine learning and big data in the academic and professional community. The 17 chapters are divided into 5 sections: Theoretical Fundamentals; Big Data and Pattern Recognition; Machine Learning: Algorithms & Applications; Machine Learning's Next Frontier and Hands-On and Case Study. While it dwells on the foundations of machine learning and big data as a part of analytics, it also focuses on contemporary topics for research and development. In this regard, the book covers machine learning algorithms and their modern applications in developing automated systems. Subjects covered in detail include: Mathematical foundations of machine learning with various examples. An empirical study of supervised learning algorithms like Naïve Bayes, KNN and semi-supervised learning algorithms viz. S3VM, Graph-Based, Multiview. Precise study on unsupervised learning algorithms like GMM, K-mean clustering, Dritchlet process mixture model, X-means and Reinforcement learning algorithm with Q learning, R learning, TD learning, SARSA Learning, and so forth. Hands-on machine leaning open source tools viz. Apache Mahout, H2O. Case studies for readers to analyze the prescribed cases and present their solutions or interpretations with intrusion detection in MANETS using machine learning. Showcase on novel user-cases: Implications of Electronic Governance as well as Pragmatic Study of BD/ML technologies for agriculture, healthcare, social media, industry, banking, insurance and so on. A collection of the theories, practices, and policies of vocational education and training written by international experts The Wiley Handbook of Vocational Education and Training offers an in-depth guide to the theories, practices, and policies of vocational education and training (VET). With contributions from a panel of leading international scholars, the Handbook contains 27 authoritative essays from a wide range of disciplines. The contributors present an integrated analysis of the complex and dynamic field of VET. Drawing on the most recent research, thinking, and practice in the field, the book explores the key debates about the role of VET in the education and training systems of various nations. The Handbook reveals how expertise is developed in an age of considerable transformation in work processes, work organization, and occupational identities. The authors also examine many of the challenges of vocational education and training such as the impact of digital technologies on employment, the demand for (re)training in the context of extended working lives, the emergence of learning regions and skill ecosystems, and the professional development of vocational teachers and trainers. This important text: Offers an original view of VET's role in both the initial and continuing development of expertise Examines the theories and concepts that underpin international perspectives and explores the differences about the purposes of VET Presents various models of learning used in VET, including apprenticeship, and their relationship with general education Explores how VET is shaped in different ways by the political economy of different countries Reviews

how developments in digital technologies are changing VET practice Discusses the challenges for universities offering higher vocational education programs Draws on both recent research as well as historical accounts Written for students, researchers, and scholars in the fields of educational studies, human resource development, social policy, political economy, labor market economics, industrial relations, sociology, The Wiley Handbook of Vocational Education and Training offers an international perspective on the topic of VET. The integration of new sources of energy like wind power, solar-power, small-scale generation, or combined heat and power in the power grid is something that impacts a lot of stakeholders: network companies (both distribution and transmission), the owners and operators of the DG units, other end-users of the power grid (including normal consumers like you and me) and not in the least policy makers and regulators. There is a lot of misunderstanding about the impact of DG on the power grid, with one side (including mainly some but certainly not all, network companies) claiming that the lights will go out soon, whereas the other side (including some DG operators and large parks of the general public) claiming that there is nothing to worry about and that it's all a conspiracy of the large production companies that want to protect their own interests and keep the electricity price high. The authors are of the strong opinion that this is NOT the way one should approach such an important subject as the integration of new, more environmentally friendly, sources of energy in the power grid. With this book the authors aim to bring some clarity to the debate allowing all stakeholders together to move to a solution. This book will introduce systematic and transparent methods for quantifying the impact of DG on the power grid. Social Media has transformed the ways in which individuals keep in touch with family and friends. Likewise, businesses have identified the profound opportunities present for customer engagement and understanding through the massive data available on social media channels, in addition to the customer reach of such sites. Social Media Listening and Monitoring for Business Applications explores research-based solutions for businesses of all types interested in an understanding of emerging concepts and technologies for engaging customers online. Providing insight into the currently available social media tools and practices for various business applications, this publication is an essential resource for business professionals, graduate-level students, technology developers, and researchers. This book discusses equi-quantile values and their use in generating decision alternatives under the twofold complexities of uncertainty and dependence, offering scope for surrogating between two alternative portfolios when they are correlated. The book begins with a discussion on components of rationality and learning models as indispensable concepts in decision-making processes. It identifies three-fold complexities in such processes: uncertainty, dependence and dynamism. The book is a novel attempt to seek tangible solutions for such decision problems. To do so, four hundred tables of bi-quantile pairs are presented for carefully chosen grids. In fact, it is a two-variable generalization of the inverse normal integral table, which is used in obtaining bivariate normal quantile pairs for the given values of probability and correlation. When making decisions, only two of them have to be taken at a time. These tables are essential tools for decision-making under risk and dependence, and offer scope for delving up to a single step of dynamism. The book subsequently addresses averments dealing with applications and advantages. The content is useful to empirical scientists and risk-oriented decision makers who are often required to make choices on the basis of pairs of variables. The book also helps simulators seeking valid confidence intervals for their estimates, and particle physicists looking for condensed confidence intervals for Higgs–Boson utilizing the Bose–Einstein correlation given the magnitude of such correlations. Entrepreneurs and investors as well as students of management, statistics, economics and econometrics, psychology, psychometrics and psychographics, social sciences, geographic information system, geology, agricultural and veterinary sciences, medical sciences and diagnostics, and remote sensing will also find the book very useful. This book offers examples of how data science, big data, analytics, and cloud technology can be used in healthcare to significantly improve a hospital's IT Energy Efficiency along with information on the best ways to improve energy efficiency for healthcare in a cost effective manner. The book builds on the work done in other sectors (mainly data centers) in effectively measuring and improving IT energy efficiency and includes case studies illustrating power and cooling requirements within Green Healthcare. Making Healthcare Green will appeal to professionals and researchers working in the areas of analytics and energy efficiency within the healthcare fields. This collection of essays explores the opportunities and risks of the liberalization of trade in services in South Asia. It offers an overview of the entire region on market access and regulatory issues as defined by the GATS framework of the WTO and exposes areas for regional and bilateral liberalization. It provides policymakers and other stakeholders in the region with better comprehension of the problems pertaining to these, and consequently, shows them a clearer vision of how to overcome them. The compilation provides insight into the offensive and defensive interests in trade in services of the whole region. The essays survey the formidable challenges that South Asia faces—cost implications, “policy space” restrictions, stakeholder managing—while trying to comply with the GATS regulations on the one hand, and the often inadequate legal provisions and regulatory structures of the individual countries, on the other. It will hold great value for students, researchers, and faculty working in the fields of Economics and Development Studies and South Asia Studies, besides being a useful resource for policy makers. Over the past forty years, media education research has emerged as a historical, epistemological and practical field of study. Shifts in the field—along with radical transformations in media

technologies, aesthetic forms, ownership models, and audience participation practices—have driven the application of new concepts and theories across a range of both school and non-school settings. The Handbook on Media Education Research is a unique exploration of the complex set of practices, theories, and tools of media research. Featuring contributions from a diverse range of internationally-recognized experts and practitioners, this timely volume discusses recent developments in the field in the context of related scholarship, public policy, formal and non-formal teaching and learning, and DIY and community practice. Offering a truly global perspective, the Handbook focuses on empirical work from Media and Information Literacy (MIL) practitioners from around the world. The book's five parts explore global youth cultures and the media, trans-media learning, media literacy and scientific controversies, varying national approaches to media research, media education policies, and much more. A ground breaking resource on the concepts and theories of media research, this important book: Provides a diversity of views and experiences relevant to media literacy education research Features contributions from experts from a wide-range of countries including South Africa, Finland, India, Italy, Brazil, and many more Examines the history and future of media education in various international contexts Discusses the development and current state of media literacy education institutions and policies Addresses important contemporary issues such as social media use; datafication; digital privacy, rights, and divides; and global cultural practices. The Handbook of Media Education Research is an invaluable guide for researchers in the field, undergraduate and graduate students in media studies, policy makers, and MIL practitioners.

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