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Swamy's Complete Manual on Establishment and Administration for Central Government Offices-Muthuswamy 1986

Routledge Handbook of Corruption in Asia-Ting Gong 2016-11-25 Corruption in Asia ranges from the venal rent-seeking of local officials to the million-dollar bribes received by corrupt politicians; from excessive position-related consumption to future job offers in the private sector for compliant public servants; from money-laundering to ‘white elephant’ projects that do little more than line the pockets of developers and their political partners. The Routledge Handbook of Corruption in Asia addresses the theories, issues and trends in corruption and anticorruption reform that have emerged from this diverse experience. The book is divided into four major parts: corruption and the state; corruption and economic development; corruption and society; and controlling corruption: strategies, successes and failures. Chapters compare and contrast corruption in different social and institutional contexts, examine both successful and unsuccessful attempts to control it, and consider what lessons can be drawn from these Asian experiences. This academically rigorous and insightful book will be of interest to a wide range of students and scholars, particularly those of Asian studies, politics and sociology.

Routledge International Handbook of Human Trafficking-Rochelle L. Dalla 2019-09-19 According to the UNODC (2015), human trafficking (HT) is the fastest growing means by which people are enslaved, the fastest growing international crime, and one of the largest sources of income for organized criminal networks. It profoundly impacts the physical and mental health of victims, their families, and entire communities and is recognized as a crime against humanity. Despite burgeoning interest, education, research, and advocacy efforts, a pinnacle handbook devoted to human trafficking and modern-day slavery – with global focus and multidisciplinary scope – does not currently exist. The Routledge International Handbook of Human Trafficking was created to fill this resource gap. Divided into four sections, the Handbook offers the reader a comprehensive and fresh approach via: (a) in-depth analyses and opportunities for application (through case studies, critical thinking questions, and supplemental learning materials); (b) multidisciplinary linkages, with disciplinary overlap across each of the four sections acknowledged and highlighted; and (c) content experts representing multiple segments of society (academia, government, foundation, law enforcement, and practice) and global vantage points (Australia, Finland, Germany, Netherlands, South Africa, Thailand, and the United States). Written by expert scholars, service providers, policy analysts, and healthcare professionals, this Handbook is an invaluable resource for those already working in the field, as well as for students in any discipline who want to learn (or learn more) about HT and modern-day slavery.

Handbook of Research on Big Data Storage and Visualization Techniques-Segall, Richard S. 2018-01-05 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.

Contemporary Management Approaches to the Global Hospitality and Tourism Industry-Pius, Abraham 2020-03-27 The hospitality, travel, and tourism industries play a major role in citizen wellbeing, socio-cultural integration, and the economic advancement of a nation. The industries are increasingly complex in operation, demanding excellence across a far-reaching and diverse set of capabilities and changes in management practices across the board. With growing expectations for a better service quality from the users and endless calls for value-added service, managers are under constant pressure to improve their services across all aspects while growing customer numbers to meet various stakeholder expectations. Contemporary Management Approaches to the Global Hospitality and Tourism Industry is a key reference source that provides crucial knowledge on the application of new management practices and trends in the tourism industry. While highlighting topics such as service quality, culture sensitivity, and brand marketing, this publication explores the influence of globalization and the methods of sustainable business practices. This book is ideally designed for managers, hotel directors, restaurateurs, researchers, industry professionals, professors, and students seeking cutting-edge hospitality and tourism management strategies.

Handbook of Research on the Role of Libraries, Archives, and Museums in Achieving Civic Engagement and Social Justice in Smart Cities-Taher, Mohamed 2021-11-12 In achieving civic engagement and social justice in smart cities, literacy programs are offered in the society by three essential information service providers: libraries, archives, and museums. Although the library and museum services are documented in literature, there is little evidence of community-led library or museum services that make a full circle in understanding community-library, community-archive, and community-museum relationships. The Handbook of Research on the Role of Libraries, Archives, and Museums in Achieving Civic Engagement and Social Justice in Smart Cities examines the application of tools and techniques in library and museum literacy in achieving civic engagement and social justice. It also introduces a new outlook in the services of libraries and museums. Covering topics such as countering fake news, human rights literacies, and outreach activities, this book is essential for community-based organizations, librarians, museum administrations, education leaders, information professionals, smart city design planners, digital tool developers, policymakers engaged in diversity, researchers, and academicians.

Local Adaptation to Climate Change in South India-Devendraraj Madhanagopal 2023-03-30 This book critically discusses the vulnerabilities and local adaptation actions of the traditional marine fishers of the tsunami-hit coastal regions of South India to climate change and risks, with an emphasis on their local institutions. Thereby, it offers a comprehensive account of the ways in which marine fishers live and respond to climate change. The Coromandel coastal regions of South India are known for their rich sociocultural history and enormous marine resources, as well as their long history of vulnerability to climate change and disasters, including the 2004 tsunami. By drawing cases from the tsunami-hit fishing villages of this coast, this book demonstrates that indigenous knowledge systems, climate change perceptions, sociocultural norms, and governance systems of the fishers influence and contest the local adaptation responses to climate change. By foregrounding the real picture of vulnerability and adaptation actions of marine fishers in the face of climate change and disasters, this book also challenges the conventional understanding of local institutions and fishers’ knowledge systems. Underlining that adaptation to climate change is a sociopolitical process, this book explores the potentials, limits, and complexities of local adaptation actions of marine fishers of this coast and offers novel insights and climate change lessons gleaned from the field to other coasts of India and around the world. This book will be of great interest to students, scholars, and policymakers in climate change, fisheries, environmental sociology, environmental anthropology, sustainable livelihoods, and natural resource management.

Gov.Officials To Master Noting & Drafting-M.K.Agarwal 2007-09-05 File noting has been in the recent past, and still is, under heated discussion in the context of Right to Information Act, 2005. It has, thus, been drawing a lot of interest from all concerned. Basic note in a file is written by an Office Assistant/ Assistant Section Officer. A good note should properly define and analyse the problem; refer to relevant rules, regulations, policies and precedents; talk about alternative solutions; discuss implications of these various alternatives and then suggest a suitable solution and a draft reply. Noting and drafting has, therefore, always been a vital part of decision-making process in the Government. the quality of Noting and Drafting has deteriorated over the years. There is hardly any publication on the subject except for some references in the manuals of office procedures. Hence, this attempt, A book for Government Officials to Master Noting and Drafting. It is a comprehensive book which talks about various concepts, the significance, features of good and bad notings, and skilful drafts citing examples drawn from actual files. Different exercises, their solutions, and samples of some good file notings and useful drafts make this book valuable for all its readers.

International Development and Local Faith Actors-Kathryn Kraft 2020-03-17 This book explores the interplay and dialogue between faith communities and the humanitarian-development community. Faith and religion are key influencers of thought and practice in many communities around the world and development practitioners would not be able to change behaviours for improved health and social relations without the understanding and influence of those with authority in communities, such as religious leaders. Equally, religious leaders feel responsibilities to their communities, but do not necessarily have the technical knowledge and resources at hand to provide the information or services needed to promote the well-being of all in their scope of influence. The book demonstrates that partnerships between humanitarian-development practitioners and religious communities can be mutually beneficial exchanges, but that there are also frequently pitfalls along the way and opportunities for lessons to be learned by each party. Delving into how humanitarians and faith communities engage with one another, the book focuses on building knowledge about how they interact as peers with different yet complementary roles in community development. The authors draw on the Channels of Hope methodology, a tool which seeks to engage faith leaders in addressing social norms and enact social change, as well as other related research in the sector to demonstrate the many ways in which humanitarian and development policy makers and practitioners could achieve more systematic engagement with faith groups. This book is an important contribution to the growing body of literature on faith and development, and will be useful both to researchers, and to practitioners working with faith communities.

The Handbook of Gender, Communication, and Women's Human Rights-Margaret Gallagher 2023-11-07 A timely feminist intervention on gender, communication, and women’s human rights The Handbook on Gender, Communication, and Women's Human Rights engages contemporary debates on women’s rights, democracy, and neoliberalism through the lens of feminist communication scholarship. The first major collection of its kind published in the COVID-19 era, this unique volume frames a wide range of issues relevant to the gender and communication agenda within a human rights framework. An international panel of feminist academics and activists examines how media, information, and communication systems contribute to enabling, ignoring, questioning, or denying women's human and communication rights. Divided into four parts, the Handbook covers governance and policy, systems and institutions, advocacy and activism, and content, rights, and freedoms. Throughout the text, the contributors demonstrate the need for strong feminist critiques of exclusionary power structures, highlight new opportunities and challenges in promoting change, illustrate both the risks and rewards associated with digital communication, and much more. Offers a state-of-the-art exploration of the intersection between gender, communication, and women's rights Addresses both core and emerging topics in feminist media scholarship and research Discusses the vital role of communication systems and processes in women's struggles to claim and exercise their rights Analyzes how the COVID-19 pandemic has exacerbated structures of inequality and intensified the spread of disinformation Explores feminist-based concepts and approaches that could enrich communication policy at all levels Part of the Global Handbooks in Media and Communication Research series, TheHandbook of Gender, Communication, and Women's Human Rights is essential reading for advanced undergraduate and graduate students in media studies, communication studies, cultural studies, journalism, feminist studies, gender studies, global studies, and human rights programs at institutions around the world. It is also an invaluable resource for academics, researchers, policymakers, and civil society and human rights activists.

Bayesian Data Analysis, Third Edition-Andrew Gelman 2013-11-01 Now in its third edition, this classic book is widely considered the leading text on Bayesian methods, lauded for its accessible, practical approach to analyzing data and solving research problems. Bayesian Data Analysis, Third Edition continues to take an applied approach to analysis using up-to-date Bayesian methods. The authors—all leaders in the statistics community—introduce basic concepts from a data-analytic perspective before presenting advanced methods. Throughout the text, numerous worked examples drawn from real applications and research emphasize the use of Bayesian inference in practice. New to the Third Edition Four new chapters on nonparametric modeling Coverage of weakly informative priors and boundary-avoiding priors Updated discussion of cross-validation and predictive information criteria Improved convergence monitoring and effective sample size calculations for iterative simulation Presentations of Hamiltonian Monte Carlo, variational Bayes, and expectation propagation New and revised software code The book can be used in three different ways. For undergraduate students, it introduces Bayesian inference starting from first principles. For graduate students, the text presents effective current approaches to Bayesian modeling and computation in statistics and related fields. For researchers, it provides an assortment of Bayesian methods in applied statistics. Additional materials, including data sets used in the examples, solutions to selected exercises, and software instructions, are available on the book’s web page.

Handbook of Multimedia Information Security: Techniques and Applications-Amit Kumar Singh 2019-07-19 This handbook is organized under three major parts. The first part of this handbook deals with multimedia security for emerging applications. The chapters include basic concepts of multimedia tools and applications, biological and behavioral biometrics, effective multimedia encryption and secure watermarking techniques for emerging applications, an adaptive face identification approach for android mobile devices, and multimedia using chaotic and perceptual hashing function. The second part of this handbook focuses on multimedia processing for various potential applications. The chapter includes a detail survey of image processing based automated glaucoma detection techniques and role of de-noising, recent study of dictionary learning based image reconstruction techniques for analyzing the big medical data, brief introduction of quantum image processing and it applications, a segmentation-less efficient Alzheimer detection approach, object recognition, image enhancements and de-noising techniques for emerging applications, improved performance of image compression approach, and automated detection of eye related diseases using digital image processing. The third part of this handbook introduces multimedia applications. The chapter includes the extensive survey on the role of multimedia in medicine and multimedia forensics classification, a finger based authentication system for e-health security, analysis of recently developed deep learning techniques for emotion and activity recognition. Further, the book introduce a case study on change of ECG according to time for user identification, role of multimedia in big data, cloud computing, the Internet of things (IoT) and blockchain environment in detail for real life applications. This handbook targets researchers, policy makers, programmers and industry professionals in creating new knowledge for developing efficient techniques/framework for multimedia applications. Advanced level students studying computer science, specifically security and multimedia will find this book useful as a reference.

World Economic Outlook, October 2016-International Monetary Fund. Research Dept. 2016-10-04 According to the October 2016 "World Economic Outlook," global growth is projected to slow to 3.1 percent in 2016 before recovering to 3.4 percent in 2017. The forecast, revised down by 0.1 percentage point for 2016 and 2017 relative to April's report, reflects a more subdued outlook for advanced economies following the June U.K. vote in favor of leaving the European Union (Brexit) and weaker-than-expected growth in the United States. These developments have put further downward pressure on global interest rates, as monetary policy is now expected to remain accommodative for longer. Although the market reaction to the Brexit shock was reassuringly orderly, the ultimate impact remains very unclear, as the fate of institutional and trade arrangements between the United Kingdom and the European Union is uncertain. Financial market sentiment toward emerging market economies has improved with expectations of lower interest rates in advanced economies, reduced concern about China's near-term prospects following policy support to growth, and some firming of commodity prices. But prospects differ sharply across countries and regions, with emerging Asia in general and India in particular showing robust growth and sub-Saharan Africa experiencing a sharp slowdown. In advanced economies, a subdued outlook subject to sizable uncertainty and downside risks may fuel further political discontent, with anti-integration policy platforms gaining more traction. Several emerging market and developing economies still face daunting policy challenges in adjusting to weaker commodity prices. These worrisome prospects make the need for a broad-based policy response to raise growth and manage vulnerabilities more urgent than ever.

World Economic Outlook, October 2016-International Monetary Fund. Research Dept. 2016-10-04 According to the October 2016 "World Economic Outlook," global growth is projected to slow to 3.1 percent in 2016 before recovering to 3.4 percent in 2017. The forecast, revised down by 0.1 percentage point for 2016 and 2017 relative to April's report, reflects a more subdued outlook for advanced economies following the June U.K. vote in favor of leaving the European Union (Brexit) and weaker-than-expected growth in the United States. These developments have put further downward pressure on global interest rates, as monetary policy is now expected to remain accommodative for longer. Although the market reaction to the Brexit shock was reassuringly orderly, the ultimate impact remains very unclear, as the fate of institutional and trade arrangements between the United Kingdom and the European Union is uncertain. Financial market sentiment toward emerging market economies has improved with expectations of lower interest rates in advanced economies, reduced concern about China's near-term prospects following policy support to growth, and some firming of commodity prices. But prospects differ sharply across countries and regions, with emerging Asia in general and India in particular showing robust growth and sub-Saharan Africa experiencing a sharp slowdown. In advanced economies, a subdued outlook subject to sizable uncertainty and downside risks may fuel further political discontent, with anti-integration policy platforms gaining more traction. Several emerging market and developing economies still face daunting policy challenges in adjusting to weaker commodity prices. These worrisome prospects make the need for a broad-based policy response to raise growth and manage vulnerabilities more urgent than ever.

Handbook of Population-Dudley L. Poston Jr. 2019-04-16 This comprehensive handbook provides an overview and update of the issues, theories, processes, and applications of the social science of population studies. The volume's 30 chapters cover the full range of conceptual, empirical, disciplinary, and applied approaches to the study of demographic phenomena. This book is the first effort to assess the entire field since Hauser and Duncan's 1959 classic, *The Study of Population*. The chapter authors are among the leading contributors to demographic scholarship over the past four decades. They represent a variety of disciplines and theoretical perspectives as well as interests in both basic and applied research.

The Handbook of Music Therapy-Leslie Bunt 2024-02-22 The Handbook of Music Therapy takes the reader on a journey through the historical and contemporary landscape of the field of music therapy, updated with the latest practical, sociocultural and theoretical perspectives and developments in music therapy. The second edition is divided into four parts: foundation and context; music therapy practice; learning and teaching; and professional life. This includes the trajectory of music therapy as a health, social and community-based discipline in the 21st century with an evolving evidence base that also acknowledges the growing edges in the field, such as perspectives around equity, inclusion and diversity. The editors have included practice-based chapters including contributions from music therapy specialists in the fields of autism, adult learning disability, forensic psychiatry, neurology, immigration and dementia. The second edition is thoroughly updated to showcase a series of new interviews with Elders in the music therapy field, a thoroughly revised first section of the book with new materials on values and principles, updated chapters on music therapy practice, online and print resources supporting music therapy practice including musical illustrations with new and revised examples, and an extensively revised final section with new chapters on professional life and research. Illustrated with rich case studies and practical examples throughout, *The Handbook of Music Therapy* covers a variety of different theoretical and philosophical perspectives. It will be invaluable to music therapists (novices, students, professionals), other arts therapists and practitioners such as speech and language therapists, psychotherapists, teachers, community musicians, psychiatrists and social workers.

The Routledge Handbook of Financial Geography-Janelle Knox-Hayes 2020-12-14 This handbook is a comprehensive and up to date work of reference that offers a survey of the state of financial geography. With Brexit, a global recession triggered by the COVID-19 pandemic, as well as new financial technology threatening and promising to revolutionize finance, the map of the financial world is in a state of transformation, with major implications for development. With these developments in the background, this handbook builds on this unprecedented momentum and responds to these epochal challenges, offering a comprehensive guide to financial geography. Financial geography is concerned with the study of money and finance in space and time, and their impacts on economy, society and nature. The book consists of 29 chapters organized in six sections: theoretical perspectives on financial geography, financial assets and markets, investors, intermediation, regulation and governance, and finance, development and the environment. Each chapter provides a balanced overview of current knowledge, identifying issues and discussing relevant debates. Written in an analytical and engaging style by authors based on six continents from a wide range of disciplines, the work also offers reflections on where the research agenda is likely to advance in the future. The book's key audience will primarily be students and researchers in geography, urban studies, global studies and planning, more or less familiar with financial geography, who seek access to a state-of-the art survey of this area. It will also be useful for students and researchers in other disciplines, such as finance and economics, history, sociology, anthropology, politics, business studies, environmental studies and other social sciences, who seek convenient access to financial geography as a new and relatively unfamiliar area. Finally, it will be a valuable resource for practitioners in the public and private sector, including business consultants and policy-makers, who look for alternative approaches to understanding money and finance.

Asian Defence Review 2016-Air Marshal Vinod Patney 2016-05-15 Last year, the war in Syria became a melee—the US, Russia, NATO, Saudi Arabia, Iran, Turkey, Lebanon and some others struggled to bring peace to the region. But each stakeholder hankered after a different end state—President Bashar al-Assad's continuance in power became a contentious issue. In due course of time Syria and the Islamic State in Syria (ISIS) jumped the order of priorities for the US forces in the area. In importance, they have left behind the drawdown in Afghanistan, which has been back-burnered provisionally. As it appears, garnering the support of the countries of the region like India, Japan, South Korea, the Philippines, etc. to counter the rise of China, will continue to be high on the US agenda. Likewise, lifting of sanctions against Iran, following its rapprochement with the West will influence the world in many ways. The fallout of the testing of the hydrogen bomb by North Korea, the South China Sea imbroglio and Indo-Pak relations in the wake of the Pathankot terror strike too will cast their shadows on the geo-politics of the region in 2016. Evading war and conflict in the prevailing environment is an effort; economic interests and geo-political compulsions make the choice of alignment difficult for peace-loving nations of the world. They are faced with the dilemma of evading armed conflicts. It requires a conscious and sustained effort to do so. In order to work towards such goals, it is necessary to look at the geo-political, security and military-related issues objectively. The Centre for Air Power Studies (CAPS) has been publishing the Asian Defence Review to fulfill this need. This volume, a resource base for both the professional and general readers, is the ninth in the series under this title. It aims to add to the pool of information and knowledge in the current strategic discourse dealing with military strategy, defence, politics and trends in military capabilities that impact Asia. In particular, it covers some of the important issues related to India's security environment, the Indian Air Force, cyber warfare, nuclear security, warfare technologies, export control regimes, Russia, China and Pakistan.

A Book of Abstract Algebra-Charles C Pinter 2010-01-14 Accessible but rigorous, this outstanding text encompasses all of the topics covered by a typical course in elementary abstract algebra. Its easy-to-read treatment offers an intuitive approach, featuring informal discussions followed by thematically arranged exercises. This

second edition features additional exercises to improve student familiarity with applications. 1990 edition.

Handbook of Obstetric and Gynecologic Emergencies-Guy I. Benrubi 2018-10-05 Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Perfect as a quick reference in the emergency room or your office, the newest edition of this handbook is diagnostic and treatment focused, touching on a range of everyday conditions and problems. These include newer issues such as medico-psychological ramifications of sexual assault, complications from abortion, assisted reproductive technologies, and immunologic therapies. Ob-gyns as well as non-obstetric providers will find much here to help them assess and manage clinical situations.

Sustainable High Volume Road and Rail Transport in Low Income Countries-Michael Burrow 2021-01-13 This Special Issue presents an in-depth analysis of transport research commissioned by the UK Department for International Development under the High Volume Transport Programme (2017-2023). The analysis done in the period 2018-2019 contributes to the UK response to improving transport in the low-income countries in Africa and South Asia. As a result, key priorities have been identified for applied research in 2020 to make road, rail and urban transport more efficient and affordable, and all transport greener, safer and more inclusive for all users. This applied research is a vital link in making transport a sustainable lifeline for people in low-income countries, because transport gives farmers and manufacturers access to domestic and international markets and people in rural and urban areas access to schools and health services.

Handbook of Research on Blockchain Technology-Saravanan Krishnan 2020-02-04 Handbook of Research on Blockchain Technology presents the latest information on the adaptation and implementation of Blockchain technologies in real world business, scientific, healthcare and biomedical applications. The book's editors present the rapid advancements in existing business models by applying Blockchain techniques. Novel architectural solutions in the deployment of Blockchain comprise the core aspects of this book. Several use cases with IoT, biomedical engineering, and smart cities are also incorporated. As Blockchain is a relatively new technology that exploits decentralized networks and is used in many sectors for reliable, cost-effective and rapid business transactions, this book is a welcomed addition on existing knowledge. Financial services, retail, insurance, logistics, supply chain, public sectors and biomedical industries are now investing in Blockchain research and technologies for their business growth. Blockchain prevents double spending in financial transactions without the need of a trusted authority or central server. It is a decentralized ledger platform that facilitates verifiable transactions between parties in a secure and smart way. Presents the evolution of blockchain, from fundamental theories, to present forms Explains the concepts of blockchain related to cloud/edge computing, smart healthcare, smart cities and Internet of Things (IoT) Provides complete coverage of the various tools, platforms and techniques used in blockchain Explores smart contract tools and consensus algorithms Covers a variety of applications with real world case studies in areas such as biomedical engineering, supply chain management, and tracking of goods and delivery

Handbook of Research on Global Indicators of Economic and Political Convergence-Das, Ramesh Chandra 2016-07-27 The development of a nation can be influenced by a wide range of factors. In the modern era of globalization, under-developed countries must strive to catch up to developed nations and establish themselves in the global market. The Handbook of Research on Global Indicators of Economic and Political Convergence is a pivotal reference source for the latest scholarly research on social, political, and environmental variables that affect the ability of developing countries to reach an equal standing in the global economy. Highlighting theoretical foundations, critical analyses, and real-world perspectives, this book is ideally designed for researchers, analysts, professionals, and upper-level students interested in emerging convergence and divergence trends in modern countries.

Handbook of Research on Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications-Telles, Shirley 2020-08-28 While yoga was originally intended to be practiced for spiritual growth, there is an increasing interest in applying yoga in all areas of life. It is important to understand this ancient science and way of life through as many perspectives as possible (e.g., based on biomedical engineering). As its popularity and interest grows, more practitioners want to know about the proven physiological effects and uses in healthcare. The Handbook of Research on Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications provides research exploring the theoretical and practical aspects of yoga therapy and its physiological effects from diverse, evidence-based viewpoints. The book adds in-depth information regarding the (1) physiological effects of yoga; (2) neurobiological effects of yoga meditation; (3) psychological benefits related to yoga, such as mental wellbeing; (4) molecular changes associated with yoga practice; and (5) therapeutic applications (for lymphedema, mental health disorders, non-communicable diseases, attention deficit hyperactivity disorder, and trauma, among other conditions). Featuring coverage on a broad range of topics such as pain management, psychotherapy, and trauma treatment, this book is ideally designed for yoga practitioners, physicians, medical professionals, health experts, mental health professionals, therapists, counselors, psychologists, spiritual leaders, academicians, researchers, and students.

Trade-off Analytics-Gregory S. Parnell 2016-12-12 Presents information to create a trade-off analysis framework for use in government and commercial acquisition environments This book presents a decision management process based on decision theory and cost analysis best practices aligned with the ISO/IEC 15288, the Systems Engineering Handbook, and the Systems Engineering Body of Knowledge. It provides a sound trade-off analysis framework to generate the tradespace and evaluate value and risk to support system decision-making throughout the life cycle. Trade-off analysis and risk analysis techniques are examined. The authors present an integrated value trade-off and risk analysis framework based on decision theory. These trade-off analysis concepts are illustrated in the different life cycle stages using multiple examples from defense and commercial domains. Provides techniques to identify and structure stakeholder objectives and creative, doable alternatives Presents the advantages and disadvantages of tradespace creation and exploration techniques for trade-off analysis of concepts, architectures, design, operations, and retirement Covers the sources of uncertainty in the system life cycle and examines how to identify, assess, and model uncertainty using probability Illustrates how to perform a trade-off analysis using the INCOSE Decision Management Process using both deterministic and probabilistic techniques Trade-off Analytics: Creating and Exploring the System Tradespace is written for upper undergraduate students and graduate students studying systems design, systems engineering, industrial engineering and engineering management. This book also serves as a resource for practicing systems designers, systems engineers, project managers, and engineering managers. Gregory S. Parnell, PhD, is a Research Professor in the Department of Industrial Engineering at the University of Arkansas. He is also a senior principal with Innovative Decisions, Inc., a decision and risk analysis firm and has served as Chairman of the Board. Dr. Parnell has published more than 100 papers and book chapters and was lead editor of Decision Making for Systems Engineering and Management, Wiley Series in Systems Engineering (2nd Ed, Wiley 2011) and lead author of the Handbook of Decision Analysis (Wiley 2013). He is a fellow of INFORMS, the INCOSE, MORS, and the Society for Decision Professionals.

Ecosystem Services-Mark Everard 2017-03-27 The concept of ecosystem services has emerged in recent years as one of the most powerful guiding principles for ecology, biodiversity conservation and the management of natural resources. It provides the basis of assessing the multiple values and services that ecosystems can provide to humankind, including such diverse issues as carbon sequestration, flood control, crop pollination and aesthetic and cultural services. This introductory textbook sets out the key aspects of ecosystem services. The book details the historical roots of ecosystem services in the second half of the twentieth century and through initiatives such as the Millennium Ecosystem Assessment. It shows how ecosystem goods and services can be categorised and valued in economic as well as non-monetary terms, while also highlighting some of the difficulties and limitations of valuation techniques. The author describes how themes such as systems thinking, social-ecological resilience and natural capital relate to ecosystem services, and how these can contribute to more sustainable and equitable development. The book assumes limited prior knowledge and is aimed at a wide interdisciplinary audience of students across the social, environmental and life sciences. It is illustrated by a wide range of international case studies and includes learning objectives and guidance for further reading.

Diversification and Cooperation in a Decarbonizing World-Grzegorz Peszko 2020-07-24 This book is the first stocktaking of what the decarbonization of the world economy means for fossil fuel"dependent countries. These countries are the most exposed to the impacts of global climate policies and, at the same time, are often unprepared to manage them. They depend on the export of oil, gas, or coal; the use of carbon-intensive infrastructure (for example, refineries, petrochemicals, and coal

power plants); or both. Fossil fuel†dependent countries face financial, fiscal, and macro-structural risks from the transition of the global economy away from carbon-intensive fuels and the value chains based on them. This book focuses on managing these transition risks and harnessing related opportunities. Diversification and Cooperation in a Decarbonizing World identifies multiple strategies that fossil fuel†dependent countries can pursue to navigate the turbulent waters of a low-carbon transition. The policy and investment choices to be made in the next decade will determine these countries’ degree of exposure and overall resilience. Abandoning their comfort zones and developing completely new skills and capabilities in a time frame consistent with the Paris Agreement on climate change is a daunting challenge and requires long-term revenue visibility and consistent policy leadership. This book proposes a constructive framework for climate strategies for fossil fuel†dependent countries based on new approaches to diversification and international climate cooperation. Climate policy leaders share responsibility for creating room for all countries to contribute to the goals of the Paris Agreement, taking into account the specific vulnerabilities and opportunities each country faces.

Basic Algebra-Anthony W. Knapp 2007-07-28 Basic Algebra and Advanced Algebra systematically develop concepts and tools in algebra that are vital to every mathematician, whether pure or applied, aspiring or established. Together, the two books give the reader a global view of algebra and its role in mathematics as a whole. The presentation includes blocks of problems that introduce additional topics and applications to science and engineering to guide further study. Many examples and hundreds of problems are included, along with a separate 90-page section giving hints or complete solutions for most of the problems.

Handbook of GaN Semiconductor Materials and Devices-Wengang (Wayne) Bi 2017-10-20 This book addresses material growth, device fabrication, device application, and commercialization of energy-efficient white light-emitting diodes (LEDs), laser diodes, and power electronics devices. It begins with an overview on basics of semiconductor materials, physics, growth and characterization techniques, followed by detailed discussion of advantages, drawbacks, design issues, processing, applications, and key challenges for state of the art GaN-based devices. It includes state of the art material synthesis techniques with an overview on growth technologies for emerging bulk or free standing GaN and AlN substrates and their applications in electronics, detection, sensing, optoelectronics and photonics. Wengang (Wayne) Bi is Distinguished Chair Professor and Associate Dean in the College of Information and Electrical Engineering at Hebei University of Technology in Tianjin, China. Hao-chung (Henry) Kuo is Distinguished Professor and Associate Director of the Photonics Center at National Chiao-Tung University, Hsin-Tsu, Taiwan, China. Pei-Cheng Ku is an associate professor in the Department of Electrical Engineering & Computer Science at the University of Michigan, Ann Arbor, USA. Bo Shen is the Cheung Kong Professor at Peking University in China.

Orthogeriatrics-Paolo Falaschi 2021 This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients and how to develop clinical systems that do so reliably.

Handbook of Research on Machine Learning-Enabled IoT for Smart Applications Across Industries-Goel, Neha 2023-07-03 Machine learning (ML) and the internet of things (IoT) are the top technologies used by businesses to increase efficiency, productivity, and competitiveness in this fast-paced digital era transformation. ML is the key tool for fast processing and decision making applied to smart city applications and next-generation IoT devices, which require ML to satisfy their working objective. IoT technology has proven efficient in solving many real-world problems, and ML algorithms combined with IoT means the fusion of product and intelligence to achieve better automation, efficiency, productivity, and connectivity. The Handbook of Research on Machine Learning-Enabled IoT for Smart Applications Across Industries highlights the importance of ML for IoT’s success and diverse ML-powered IoT applications. This book addresses the problems and challenges in energy, industry, and healthcare and solutions proposed for ML-enabled IoT and new algorithms in ML. It further addresses their accuracy for existing real-time applications. Covering topics such as agriculture, pattern recognition, and smart applications, this premier reference source is an essential resource for engineers, scientists, educators, students, researchers, and academicians.

Handbook of Research on Activating Middle Executives’ Agency to Lead and Manage During Times of Crisis-Wilmot, Ann-Marie 2022-06-24 The role of lead executives is demanding under normal circumstances, but more so during times of institutional crisis. The existence of ongoing internal organizational crises plus crises triggered by external events and shocks requires that leaders and managers be equipped with the tools to manage such crises. Therefore, further study is required that considers the difficulties of leading various organizations as well as best practices for future management. The Handbook of Research on Activating Middle Executives’ Agency to Lead and Manage During Times of Crisis is a comprehensive reference source that offers practical applications, tools, and skills to equip middle leaders to meaningfully participate in crisis management and resolution in institutions for improved outcomes and discusses a multi-pronged framework for building middle leaders’ crisis response efficacies. The book also invites top-tier educational and industry practitioners to reflect on how they have led during times of crisis. Covering topics such as mentoring, coping strategies, and sustainable development, this major reference work is ideal for educational leaders, managers, business owners, human resource professionals, scholars, researchers, academicians, instructors, and students.

Plant Propagation by Tissue Culture: In practice-Edwin F. George 1993

Econometrics as a Con Art-Imad A. Moosa 2017-07-28 Imad Moosa challenges convention with this comprehensive and compelling critique of econometrics, condemning the common practices of misapplied statistical methods in both economics and finance.

The Bloomsbury Handbook of Schools and Religion-Jo Fraser-Pearce 2023-09-21 The Bloomsbury Handbook of Schools and Religion provides the first truly global scan of contemporary issues and debates around the world regarding the relationship(s) between the state, schools and religion. Organized around specific contested issues - from whether or not mindfulness should be practised in schools, to appropriate and inappropriate religious attire in schools, to long-term battles about evolution, sexuality, and race, to public funding - Fraser-Pearce and Fraser carefully curate chapters by leading experts exploring these matters and others in a diverse range of national settings. The Bloomsbury Handbook of Schools and Religion offers a refreshingly new international perspective.

A Book on C-Al Kelley 1990 The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-a-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

Handbook of Fruits and Fruit Processing-Y. H. Hui 2008-02-28 The processing of fruits continues to undergo rapid change. In the Handbook of Fruits and Fruit Processing, Dr. Y.H. Hui and his editorial team have assembled over forty respected academicians and industry professionals to create an indispensable resource on the scientific principles and technological methods for processing fruits of all types. The book describes the processing of fruits from four perspectives: a scientific basis, manufacturing and engineering principles, production techniques, and processing of individual fruits. A scientific knowledge of the horticulture, biology, chemistry, and nutrition of fruits forms the foundation. A presentation of technological and engineering principles involved in processing fruits is a prelude to their commercial production. As examples, the manufacture of several categories of fruit products is discussed. The final part of the book discusses individual fruits, covering their harvest to a finished product in a retail market. As a professional reference book replete with the latest research or as a practical textbook filled with example after example of commodity applications, the Handbook of Fruits and Fruit Processing is the current, comprehensive, yet compact resource ideal for the fruit industry.

Handbook on the Business of Sustainability-Yousafzai, Shumaila 2022-02-11 This ground-breaking Handbook uniquely focuses on the business of sustainability, offering a fresh insight and practical solutions to the challenges that businesses face in making human activity sustainable. It is organized into four distinctive themes that cut across levels of analysis and illustrate a rich set of solution contexts that will guide future research.

Natural Bio-active Compounds-Mallappa Kumara Swamy 2019-09-19 Nature has consistently provided human beings with bioactive compounds that can be used directly as drugs or indirectly as drug leads. Some of the major classes of natural bioactive compounds include phenolics, alkaloids, tannins, saponins, lignin, glycosides, terpenoids, and many more. They possess a broad range of biological activities and are primarily useful in the treatment of various health issues. At the same time, the search for new and novel drugs is never-ending and, despite major advances in synthetic chemistry, nature remains an essential resource for drug discovery. Therefore, more and more researchers are interested in understanding the chemistry, clinical pharmacology, and beneficial effects of bioactive compounds in connection with solving human health problems. This book presents a wealth of information on natural metabolites that have been or are currently being used as drugs or leads for the discovery of new drugs. In addition, it highlights the importance of natural products against various human diseases, and their applications in the drug, nutraceuticals, cosmetics and herbal industries. Accordingly, the book offers a valuable resource for all students, educators, and healthcare experts involved in natural product research, phytochemistry, and pharmacological research.

Law and the Economy in a Young Democracy-Tirthankar Roy 2022-02-08 "Tirthankar Roy and Anand V. Swamy trace India's economic growth since 1947 and the legal reforms that have allowed it to settle in, however unevenly and tenuously, in the shadow of the stagnating effects of colonial rule. Law and the Economy in a Young Democracy portrays a long shadow of Indian "path dependence"-the persistence of colonial-era legal practices and institutions-interrupted by a series of reactive, dramatic departures from colonial inertia aimed at achieving quick or corrective growth and regulation. Roy and Swamy address five principal questions: How have new laws emerged in India? Does the explanation lie with colonialism or with post-independence politics and economic change? How were laws shaped by egalitarian goals in the Indian democracy with its universal adult suffrage? When did laws constrain economic growth? And to what extent did case law and legislation affect the evolution of law, which was also shaped by politics and the quality of legal infrastructure? Each of these questions brings together different threads of India's economic transformation and social/political history, and the format allows the authors to go deep on the country's most important market sectors and their surrounding economic and political histories. These sections include: colonialist influences on laws governing land and natural resources; politics and labor; and the alternating stifling effects of the country's economic policies and legal systems. In Roy and Swamy's telling, inadequate legal infrastructure has often been the country's primary impediment to economic growth during the last century, and it remains a primary reason that India's future may not be as bright as advertised"--