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Solar Energy Update - 1981

Strategies and Games - Prajit K. Dutta 1999-02-16

Game theory has become increasingly popular among undergraduate as well as business school students. This text is the first to provide both a complete theoretical treatment of the subject and a variety of real-world applications, primarily in economics, but also in business, political science, and the law. Game theory has become increasingly popular among undergraduate as well as business school students. This text is the first to provide both a complete theoretical treatment of the subject and a variety of real-world applications, primarily in economics, but also in business, political science, and the law. *Strategies and Games* grew out of Prajit Dutta's experience teaching a course in game theory over the last six years at Columbia University. The book is divided into three parts: Strategic Form Games and Their Applications, Extensive Form Games and Their Applications, and Asymmetric Information Games and Their Applications. The theoretical topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling. An appendix presents a thorough discussion of single-agent decision theory, as well as the optimization and probability theory required for the course. Every chapter that introduces a new theoretical concept opens with examples and ends with a case study. Case studies include Global Warming and the Internet, Poison Pills, Treasury Bill Auctions, and Final Jeopardy. Each part of the book also contains several chapter-length applications including Bankruptcy Law, the NASDAQ market, OPEC, and the Commons problem. This is also the first text to provide a detailed analysis of dynamic strategic interaction.

Enterprise Interoperability VI - Kai Mertins 2014-02-19

In 2007 INTEROP-VLab defined Enterprise Interoperability as "the ability of an enterprise system or application to interact with others at a low cost with a flexible approach". *Enterprise Interoperability VI* brings together a peer reviewed selection of over 40 papers, ranging from academic research through case studies to industrial and administrative experience of interoperability. It shows how, in a scenario of globalised markets, the capacity to cooperate with other firms efficiently becomes essential in order to remain in the market in an economically, socially and environmentally cost-effective manner, and that the most innovative enterprises are beginning to redesign their business model to become interoperable. This goal of interoperability is vital, not only from the perspective of the individual enterprise but also in the new business structures that are now emerging, such as supply chains, virtual enterprises, interconnected organisations or extended enterprises, as well as in mergers and acquisitions. Establishing efficient and relevant collaborative situations requires managing interoperability from a dynamic perspective: a relevant and efficient collaboration of organizations might require adaptation to remain in line with potentially changing objectives, evolving resources, and unexpected events, for example. Many of the papers contained in this, the seventh volume of Proceedings of the I-ESA Conferences have examples and illustrations calculated to deepen understanding and generate new ideas. The I-ESA'14 Conference is jointly organised by Ecole des Mines Albi-Carmaux, on behalf of PGSO, and the European Virtual Laboratory for Enterprise Interoperability (INTEROP-VLab) and supported by the International Federation for Information Processing (IFIP). A concise reference to the state of the art in systems interoperability, *Enterprise Interoperability VI* will be of great value to engineers and computer scientists working in manufacturing and other process industries and to

software engineers and electronic and manufacturing engineers working in the academic environment.

Strategic Approach to the Evaluation of Programs Implemented Under the Tom Lantos and Henry J. Hyde U.S. Global Leadership Against HIV/AIDS, Tuberculosis, and Malaria Reauthorization Act of 2008 - National Research Council 2010-08-09

At the request of Congress, the Institute of Medicine (IOM) will evaluate U.S. global programs to address HIV/AIDS. This book outlines the IOM's strategic approach for this evaluation.

Nuclear India in the Twenty-First Century - D. SarDesai 2002-05-02

This collection of essays, unlike other books on this subject, emphasizes strategic, technological, and economic factors. It includes contributions from a combination of academics and governmental experts from both the United States and India. *Nuclear India in the Twenty-First Century* provides an important picture of India's nuclear intentions and capabilities and should facilitate policies that the US may consider in response to regional and global proliferation.

Lignocellulosic Biorefining Technologies - Avinash P. Ingle 2020-01-10

A text to the advances and development of novel technologies in the production of high-value products from economically viable raw materials *Lignocellulosic Biorefining Technologies* is an essential guide to the most recent advances and developments of novel technologies in the production of various high-value products from economically viable raw materials. Written by a team of experts on the topic, the book covers important topics specifically on production of economical and sustainable products such as various biofuels, organic acids, enzymes, biopigments, biosurfactants, etc. The book highlights the important aspects of lignocellulosic biorefining including structure, function, and chemical composition of the plant cell wall and reviews the details about the various components present in the lignocellulosic biomass and their characterizations. The authors explore the various approaches available for processing lignocellulosic biomass into second generation sugars and focus on the possibilities of utilization of lignocellulosic feedstocks for the production of biofuels and biochemicals. Each chapter includes a range of clear, informative tables and figures, and contains relevant references of published articles. This important text: Provides cutting-edge information on the recent developments in lignocellulose biorefinery Reviews production of various economically important and sustainable products, such as biofuels, organic acids, biopigments, and biosurfactants Highlights several broad-ranging areas of recent advances in the utilization of a variety of lignocellulosic feedstocks Provides a valuable, authoritative reference for anyone interested in the topic Written for post-graduate students and researchers in disciplines such as biotechnology, bioengineering, forestry, agriculture, and chemical industry, *Lignocellulosic Biorefining Technologies* is an authoritative and updated guide to the knowledge about various biorefining technologies.

Estimating and Costing in Civil Engineering - B.N. Dutta 2021-02-28

Fundamentals of Biostatistics - Bernard Rosner 2015-07-29

Bernard Rosner's *FUNDAMENTALS OF BIOSTATISTICS* is a practical introduction to the methods, techniques, and computation of statistics with human subjects. It prepares students for their future courses and careers by introducing the statistical methods most often used in medical literature. Rosner minimizes the amount of mathematical formulation (algebra-based) while still giving complete explanations of all the important concepts. As in previous editions, a major strength of this book is that every new concept is developed systematically through completely worked out examples from current medical research problems. Most methods are illustrated with specific instructions as to implementation

using software either from SAS, Stata, R, Excel or Minitab. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Engineering Economic Analysis - Donald G. Newnan 2018-02-05

Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation and environmental stewardship as well as a new chapter on project management.

Medicine Bow-Routt National Forests (N.F), South Fork Salvage Analysis, Routt Divide Blowdown - 1999

Handbook of Management Accounting Research - Christopher S. Chapman 2006-12-08

Volume one of the Handbooks of Management Accounting Research sets the context for both Handbooks, with three chapters outlining the historical development of management accounting as a discipline and as a practice in three broad geographic settings. The bulk of the first volume then draws together a series of contributions that analyse the scholarly literature in terms of distinct intellectual and theoretical social science perspectives. The volume includes a chapter which looks at work informed by psychology as a base discipline. The volume also includes a set of chapters that seek to evaluate and explain issues of research method for the different approaches to research found within management accounting. Special pricing available if purchased as a set with Volume 2. Documents the scholarly management accounting literature Publishing both in print, and online through Science Direct International in scope

Contemporary States and the Pandemic - Jolanta Itrich-Drabarek 2022-12-30

This volume elaborately studies the challenges posed and impact made by the Covid 19 pandemic. Through detailed case studies, it presents ethical, political, economic, medical, logistical and social impediments faced by contemporary states in the EU. The book focuses on the short and long-term consequences of the economic shock caused by the COVID-19 pandemic and covers issues concerning the world economy, the EU economy, as well as the Visegrad economies. The essays in this volume: Probes into the response of states to the economic phenomena resulting from the pandemic and analyses the institutional framework of the resulting crisis, lapses in social communication, social protests and the decline in democratic standards in countries such as the Czech Republic, Poland, Slovakia, and Hungary; Discusses issues related to state security under conditions of the pandemic, the effectiveness of state and self-government administration, the transition of states from an external controllability to an internal controllability model of power, as well as challenges related to security in the digital space; Presents policy actions at three basic levels, i.e. at the global, regional and sub-regional, and investigate strategies of the UN, WHO, the EU and the Visegrad Group as they play the most important role in the fight against COVID-19; This insightful and timely volume will be of great interest to scholars, researchers and anyone inquisitive about political theory, public policy, public health and social care, international relations, governance, security studies, and public administration.

Handbook of Probabilistic Models - Pijush Samui 2019-10-05

Handbook of Probabilistic Models carefully examines the application of advanced probabilistic models in conventional engineering fields. In this comprehensive handbook, practitioners, researchers and scientists will find detailed explanations of technical concepts, applications of the proposed methods, and the respective scientific approaches needed to solve the problem. This book provides an interdisciplinary approach that creates advanced probabilistic models for engineering fields, ranging from conventional fields of mechanical engineering and civil engineering, to electronics, electrical, earth sciences, climate, agriculture, water resource, mathematical sciences and computer sciences. Specific topics covered include minimax probability machine regression, stochastic finite element method, relevance vector machine, logistic regression, Monte Carlo simulations, random matrix, Gaussian process regression, Kalman filter, stochastic optimization, maximum likelihood, Bayesian inference, Bayesian update, kriging, copula-statistical models, and more. Explains the application of advanced probabilistic models encompassing multidisciplinary research Applies probabilistic modeling to emerging areas in engineering Provides an interdisciplinary approach to probabilistic models and their applications, thus solving a wide range of practical problems

Cost Accounting: Principles And Practice - Dutta 2004

India's Emerging Nuclear Posture - Ashley J. Tellis 2001

"This book brings together the many pieces of India's nuclear puzzle and the ramifications for South Asia. The author examines the choices facing India from New Delhi's point of view in order to discern which future courses of action appear most appealing to Indian security managers. He details how such choices, if acted upon, would affect U.S. strategic interests, India's neighbors, and the world."--BOOK JACKET.

Quantitative Ultrasound in Soft Tissues - Jonathan Mamou 2013-09-26

Due to parallel advances in signal processing and computer hardware in the last 15 years, quantitative ultrasound techniques have reached maturity, allowing for the construction of quantitative maps or images of soft tissues. This book will focus on 5 modern research topics related to quantitative ultrasound of soft tissues: - Spectral-based methods for tissue characterization, tissue typing, cancer detection, etc.; - Envelope statistics analysis as a means of quantifying and imaging tissue properties; - Ultrasound elastography for quantifying elastic properties of tissues (several clinical ultrasound scanners now display elastography images); - Scanning acoustic microscopy for forming images of mechanical properties of soft tissues with micron resolution (desktop size scanners are now available); and - Ultrasound computer tomography for breast cancer imaging (new ultrasound tomography systems have been developed and are currently under evaluation clinically).

Intelligent Data Analysis for Biomedical Applications - Hemanth D. Jude 2019-03-15

Intelligent Data Analysis for Biomedical Applications: Challenges and Solutions presents specialized statistical, pattern recognition, machine learning, data abstraction and visualization tools for the analysis of data and discovery of mechanisms that create data. It provides computational methods and tools for intelligent data analysis, with an emphasis on problem-solving relating to automated data collection, such as computer-based patient records, data warehousing tools, intelligent alarming, effective and efficient monitoring, and more. This book provides useful references for educational institutions, industry professionals, researchers, scientists, engineers and practitioners interested in intelligent data analysis, knowledge discovery, and decision support in databases. Provides the methods and tools necessary for intelligent data analysis and gives solutions to problems resulting from automated data collection Contains an analysis of medical databases to provide diagnostic expert systems Addresses the integration of intelligent data analysis techniques within biomedical information systems

Advanced Management Accounting - Ahmed Riahi-Belkaoui 2001

Offers a unique, multifaceted approach to the study and practice of management accounting.

MATERIALS MANAGEMENT - A. K. DATTA 2008-08-18

Materials Management has undergone a sea change in recent years because of its vast possibilities to contribute towards the corporate goals of productivity, profitability and growth. To keep abreast of the changes and emerging trends in the field of Materials Management, this New Edition has been thoroughly revised and updated with the latest procedures and theories. Divided into five parts, the text gives exhaustive coverage to the operational details of stores and purchases, standardization and quality control, value analysis and value engineering as well as the legal aspects of purchasing and the technicalities of warehousing. A great amount of new material and some new chapters have been incorporated in the text to suit the particular needs of students of management courses of the Indian universities.

Advances in Construction Materials and Sustainable Environment -

Ashok Kumar Gupta 2021-12-14

This book comprises select papers presented at the International Conference on Construction Materials and Environment (ICCME 2020). The topics discussed revolve around the identification and utilization of novel construction materials primarily in the areas of structural engineering, geotechnical engineering, transportation engineering, and environmental engineering. The volume presents a compilation of thoroughly studied and utilized sustainable construction materials in different areas of civil engineering. Newly developed testing methodologies, physical modelling methods, numerical studies, and other latest techniques discussed in this book can prove to be useful for researchers and practitioners across the globe.

Advances in Communication, Devices and Networking - Sourav Dhar 2022

This book covers recent trends in the field of devices, wireless

communication and networking. It gathers selected papers presented at the 5th International Conference on Communication, Devices and Networking (ICCDN 2021), which was organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim, India, on 15-16 December 2021. Gathering cutting-edge research papers prepared by researchers, engineers and industry professionals, it will help young and experienced scientists and developers alike to explore new perspectives and offer them inspirations on how to address real-world problems in the areas of electronics, communication, devices and networking.

Estimating in Heavy Construction - Dieter Jacob 2016-11-14

This book presents the theoretical background as well as best practice examples of estimating in heavy construction. The examples stem from practitioners in international large-scale construction projects. As distinct from other publications on estimating, this book presents specific numbers and costs are calculated precisely. In this way the book helps to avoid errors in the estimating of construction projects like roads, bridges, tunnels, and foundations.

Estimating Costing Specification And Valuation In Civil Engineering - M. Chakraborti 1992

Statistical Techniques for Forensic Accounting - Saurav K. Dutta 2013

Fraud or misrepresentation often creates patterns of error within complex financial data. The discipline of statistics has developed sophisticated techniques and well-accepted tools for uncovering these patterns and demonstrating that they are the result of deliberate malfeasance. *Statistical Techniques for Forensic Accounting* is the first comprehensive guide to these tools and techniques: understanding their mathematical underpinnings, using them properly, and effectively communicating findings to non-experts. Dr. Saurav Dutta, one of the field's leading experts, has been engaged as an expert in many of the world's highest-profile fraud cases, including Worldcom, Global Crossing, Cendant, and HealthSouth. Now, he covers everything forensic accountants, auditors, investigators, and litigators need to know to use these tools and interpret others' use of them. Coverage includes: Exploratory data analysis: identifying the "Fraud Triangle" and other red flags Data mining: tools, usage, and limitations Traditional statistical terms and methods applicable to forensic accounting Uncertainty and probability theories and their forensic implications Bayesian analysis and networks Statistical inference, sampling, sample size, estimation, regression, correlation, classification, and prediction How to construct and conduct valid and defensible statistical tests How to articulate and effectively communicate findings to other interested and knowledgeable parties

Realistic Cost Estimating for Manufacturing - William Winchell 1989

This book contains material on the use of software, organization strategies in cost estimating, new types of costs, learning curves, and much more. Topics presented include manufacturing costs, standard vs. actual costs, cost in relation to product volume, analysis, types of estimates, cost estimating controls, cost requests from other departments, evaluating supplier quotes, calculating selling prices, and much more.

[Benefit-cost Analysis for Water Resource Projects](#) - Tennessee Valley Authority. Division of Navigation Development 1969

[Handbook of Cost Accounting Theory and Techniques](#) - Ahmed Riahi-Belkaoui 1991

Clearly organized and readable, this work is a good introduction to cost accounting for someone with little prior course work or experience in the field. Most chapters include a list of suggested readings. Good index. Most appropriate for community college or public library collections. Choice In response to the expanding roles of accountants in all types of organizations, cost accounting is becoming increasingly multidimensional, relying not only on traditional accounting principles, but also on behavioral, organizational, decisional, and other foundations. These conceptual foundations and their applications to cost accounting practices form the basis of this handbook, which offers both accounting students and professionals a comprehensive review and interpretation of cost accounting techniques and theories. By treating both traditional and newer dimensions of the discipline, the book defines a new scope and boundary that presents cost accounting in a multidimensional framework. Ahmed Belkaoui presents his material from three different perspectives. First, he shows how the fields of cost accounting, economics, behavioral science, operations research, statistics, and mathematics provide the tools as well as the concepts necessary for the

classification, accumulation, and reporting of relevant data for internal decision making and for the interpretation and evaluation of resulting decisions. Second, he demonstrates how standard cost accounting techniques can be complemented by other possible approaches to problems, stressing not only the descriptive but also the normative solutions to cost accounting problems. Finally, he examines how cost accounting techniques affect the planning and control of routine and nonroutine decisions, inventory valuation and income determination. Among the major new developments addressed are variance analysis, learning phenomena in cost estimation, flexible manufacturing systems, and behavioral considerations in cost allocation. This work will be especially valuable for professional accountants and graduate students preparing for an accounting career, and an important resource for academic and public libraries.

India's Nuclear Bomb - George Perkovich 2001

Publisher Fact Sheet The definitive history of India's long flirtation with nuclear capability, culminating in the nuclear tests that surprised the world in May 1998.

Government Reports Annual Index - 1979

Sections 1-2. Keyword Index.--Section 3. Personal author index.--Section 4. Corporate author index.--Section 5. Contract/grant number index, NTIS order/report number index 1-E.--Section 6. NTIS order/report number index F-Z.

PMI: Agile Certified Practitioner - Subramanian Chandramouli Agile, a topic of growing importance in project management, is an iterative and incremental software developmental methodology that helps organizations to be more flexible to change and to deliver workable software in a shorter span of time. PMI-ACPSM is the new credential offered by the Project Management Institute, and validates a practitioner's ability to understand and apply agile principles and practices. PMI: Agile Certified Practitioner is a self-study guide that is essential reading for all PMI-ACPSM aspirants to clear the certification exam. Following an easy and a step-by-step learning approach, this book presents not only the basic agile concepts but also the latest developments in the field, based entirely on the guidelines from the Project Management Institute.

Sustainable Design Through Process Integration - Mahmoud M. El-Halwagi 2017-08-08

Sustainable Design through Process Integration: Fundamentals and Applications to Industrial Pollution Prevention, Resource Conservation, and Profitability Enhancement, Second Edition, is an important textbook that provides authoritative, comprehensive, and easy-to-follow coverage of the fundamental concepts and practical techniques on the use of process integration to maximize the efficiency and sustainability of industrial processes. The book is ideal for adoption in process design and sustainability courses. It is also a valuable guidebook to process, chemical, and environmental engineers who need to improve the design, operation, performance, and sustainability of industrial plants. The book covers pressing and high growth topics, including benchmarking process performance, identifying root causes of problems and opportunities for improvement, designing integrated solutions, enhancing profitability, conserving natural resources, and preventing pollution. Written by one of the world's foremost authorities in integrated process design and sustainability, the new edition contains new chapters and updated materials on various aspects of process integration and sustainable design. The new edition is also packed with numerous new examples and industrial applications. Allows the reader to methodically develop rigorous targets that benchmark the performance of industrial processes then develop cost-effective implementations Contains state-of-the-art process integration and improvement approaches and techniques including graphical, algebraic, and mathematical methods Covers topics and applications that include profitability enhancement, mass and energy conservation, synthesis of innovative processes, retrofitting of existing systems, design and assessment of water, energy, and water-energy-nexus systems, and reconciliation of various sustainability objectives

Research Anthology on Agile Software, Software Development, and Testing - Management Association, Information Resources 2021-11-26

Software development continues to be an ever-evolving field as organizations require new and innovative programs that can be implemented to make processes more efficient, productive, and cost-effective. Agile practices particularly have shown great benefits for improving the effectiveness of software development and its maintenance due to their ability to adapt to change. It is integral to remain up to date with the most emerging tactics and techniques

involved in the development of new and innovative software. The Research Anthology on Agile Software, Software Development, and Testing is a comprehensive resource on the emerging trends of software development and testing. This text discusses the newest developments in agile software and its usage spanning multiple industries. Featuring a collection of insights from diverse authors, this research anthology offers international perspectives on agile software. Covering topics such as global software engineering, knowledge management, and product development, this comprehensive resource is valuable to software developers, software engineers, computer engineers, IT directors, students, managers, faculty, researchers, and academicians.

International Encyclopedia of Ergonomics and Human Factors, Second Edition - 3 Volume Set - Informa Healthcare 2006-03-15
The previous edition of the International Encyclopedia of Ergonomics and Human Factors made history as the first unified source of reliable information drawn from many realms of science and technology and created specifically with ergonomics professionals in mind. It was also a winner of the Best Reference Award 2002 from the Engineering Libraries Division, American Society of Engineering Education, USA, and the Outstanding Academic Title 2002 from Choice Magazine. Not content to rest on his laurels, human factors and ergonomics expert Professor Waldemar Karwowski has overhauled his standard-setting resource, incorporating coverage of tried and true methods, fundamental principles, and major paradigm shifts in philosophy, thought, and design. Demonstrating the truly interdisciplinary nature of this field, these changes make the second edition even more comprehensive, more informative, more, in a word, encyclopedic. Keeping the format popularized by the first edition, the new edition has been completely revised and updated. Divided into 13 sections and organized alphabetically within each section, the entries provide a clear and simple outline of the topics as well as precise and practical information. The book reviews applications, tools, and innovative concepts related to ergonomic research. Technical terms are defined (where possible) within entries as well as in a glossary. Students and professionals will find this format invaluable, whether they have ergonomics, engineering, computing, or psychology backgrounds. Experts and researchers will also find it an excellent source of information on areas beyond the range of their direct interests.

Knowledge-Based Processes in Software Development - Saeed, Saqib 2013-06-30

Recent growth in knowledge management concepts has played a vital role in the improvement of organizational performance. These knowledge management approaches have been influential in achieving the goal of efficient production of software development processes. Knowledge-Based Processes in Software Development focuses on the inherent issues to help practitioners in gaining understanding of software development processes. The best practices highlighted in this publication will be essential to software professionals working in the industry as well as students and researchers in the domain of software engineering in order to successfully employ knowledge management procedures.

Process Planning and Cost Estimation - R. Kesavan 2009

Product Lifecycle Management for Society - Alain Bernard 2013-11-09

This book constitutes the refereed proceedings of the 10th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2013, held in Nantes, France, in July 2013. The 63 full papers presented together with 2 keynote talks were carefully reviewed and selected from 91 submissions. They are organized in the following topical sections: PLM for sustainability, traceability and performance; PLM infrastructure and implementation processes; capture and reuse of product and process information; PLM and knowledge management; enterprise system integration; PLM and influence of/from social networks; PLM maturity and improvement concepts; PLM and collaborative product development; PLM virtual and simulation environments; and building information modeling.

Life Cycle Costing for Engineers - B.S. Dhillon 2009-10-26

Cradle-to-grave analyses are becoming the norm, as an increasing

amount of corporations and government agencies are basing their procurement decisions not only on initial costs but also on life cycle costs. And while life cycle costing has been covered in journals and conference proceedings, few, if any, books have gathered this information into an

World Bank East Asia and Pacific Economic Update, Spring 2020 - World Bank 2020-04-07

Growth in the developing East Asia and Pacific region slowed sharply in 2020Q1 because of the negative impact of the Covid-19 on economic activity. The decline has been broad-based reflecting the interconnectedness of the EAP economies and reverberations from the global economy as the virus turned into a pandemic. The Covid-19 outbreak followed an extended period of subdued growth in the region amid multiple external headwinds and heightened trade policy uncertainty. China and other regional economies have implemented monetary and fiscal policy measures to mitigate the negative impact of the outbreak. Growth in the East Asia and Pacific (EAP) region is projected to slow from 5.8 percent in 2019 to lower-than-expected [5.2 percent in 2020], reflecting the expected negative effects of the COVID-19. In this baseline scenario, which is subject to significant uncertainty, growth in the region is expected to recover to [5.6 percent in 2021], as the impact of Covid-19 gradually dissipates. In the medium-term regional growth is expected to continue its downward trend reflecting multiple structural headwinds. Policymakers should focus on designing economically efficient transmission control policies that consider both the marginal costs and the marginal benefits of preventive measures. Such policies would ideally be based on countries' preparedness and exposure as well as economic circumstances. Targeted fiscal and monetary policies can help reduce the economic disruption caused by COVID-19 in the short term. In the medium-term, there is need to restore depleted buffers, address sources of financial instability, and invest in preventing and coping with infectious disease. Given the growing interdependence between EAP countries, coordinated policies and investments could increase resilience to shocks.

Hospital Cost Analysis - J. R. Butler 2012-12-06

Hospital Cost Analysis provides an overview of theoretical developments in the economic analysis of production and costs in the multiproduct firm, and discusses these developments. Following a lucid explanation of the concepts of jointness, input/output separability and returns to scale, a detailed discussion of the concept measurement and classification of hospital output is provided. A fundamental dilemma confronting economists interested in estimating hospital cost functions is highlighted, viz. the trade-off between flexibility in functional form and homogeneity within hospital output categories. Empirical results on the effects of case mix, scale and utilisation, public/private ownership, and the centralised administration of hospital systems on hospital costs are presented. The implications of hospital cost analysis for public policy with respect to hospital payment schemes, including schemes based on Diagnosis Related Groups (DRGs), are also considered. This book brings together the literature on hospital cost analysis with theoretical developments in the analysis of the multiproduct cost functions. It will be of considerable interest to teachers and students of health economics and health policy advisers interested in the determinants of hospital costs and the design of hospital payment schemes.

The Routledge Companion to Cost Management - Falconer Mitchell 2013-08-22

Over the last two decades, cost management has been an area of dynamic change and development. This is evident in the extensive inventory of new, high-profile techniques that have emerged. With cost management now firmly established as a distinct sub-discipline within management accounting, The Routledge Companion to Cost Management is a timely reference volume covering both practical developments and research in this area. Topics covered include: Cost control issues Cost analysis and decision making Cost management systems Environmental cost management With chapters from an international team of contributors, this prestigious companion will prove an indispensable addition to any library with aspirations of keeping up-to-date with the world of accounting.