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International Politics: Power and Purpose in Global Affairs - Paul D'Anieri 2016-01-01
INTERNATIONAL POLITICS: POWER AND PURPOSE IN GLOBAL AFFAIRS, 4th Edition, helps you make the connection between analytical theories and real-world issues and events. The focus on power and purpose engages

both the goals that actors have in international politics, and the ways they have to achieve them. Thought-provoking case studies and features on history, policy, and geography let you see the world from multiple perspectives, while critical-thinking questions for each feature ask you to examine what you have learned. The Connection

to You boxes show how international politics directly affects the lives of individuals, and how individuals can influence international politics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mechanical Engineering Reference Manual for the PE Exam - Michael R. Lindeburg 2013

*Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$50 at ppi2pass.com/etextbook-program. * Current for the 2018 exam specs. Use with Mechanical PE Exam specific practice exams and six-minute problem books. ** New Practice Exams and Six-Minute Problem Books Now Available for New PE Mechanical Exams** The following new titles are available from the Publisher PPI on Amazon. Free study schedules to support the new exams are available on ppi2pass.com. -PE Mechanical HVAC and Refrigeration Practice Exam (MEHRPE) and HVAC and Refrigeration Six-

Minute Problems (MEHRX2) -PE Mechanical Thermal and Fluids Systems Practice Exam (METSPE) and Thermal and Fluids Systems Six-Minute Problems (METSSX2) -PE Mechanical Machine Design and Materials Practice Exam (MEMDPE) and Machine Design and Materials Six-Minute Problems (MEMDSX2).

Comprehensive Mechanical Engineering Coverage You Can Trust The Mechanical Engineering Reference Manual is the most comprehensive textbook for the Mechanical PE exam. This book's time-tested organization and clear explanations start with the basics to help you quickly get up to speed on common mechanical engineering concepts. Together, the 76 chapters provide an in-depth review of NCEES Mechanical PE exam topics. The extensive index contains thousands of terms, most indexed in a variety of ways, in anticipation of how you'll search for them. Features of the Mechanical Engineering Reference Manual: over 120 appendices containing essential support

material over 375 clarifying example problems
thousands of equations, figures, and tables
industry-standard terminology and nomenclature
equal support of U.S. customary and SI units
After you pass your exam, the Mechanical
Engineering Reference Manual will continue to
serve as an invaluable reference throughout
your mechanical engineering career. Topics
Covered: Dynamics and Vibrations; Kinematics;
Kinetics; Power Transmission Systems; Vibrating
Systems Materials: Engineering Materials
Properties and Testing; Thermal Treatment of
Metals Fluids: Fluid Properties; Fluid Statics;
Fluid Flow Parameters; Fluid Dynamics;
Hydraulic Machines Power Cycles: Vapor,
Combustion, and Nuclear Power Cycles;
Refrigeration and Gas Compression Cycles
HVAC: Psychrometrics; Fans, Ductwork, and
Ventilation; Heating and Cooling Loads; Air
Conditioning Systems Heat Transfer: Natural
Convection; Evaporation; Condensation; Forced
Convection; Radiation Machine Design: Basic

and Advanced Machine Design; Pressure Vessels
Thermodynamics: Inorganic Chemistry; Fuels
and Combustion; Properties of Substances
Control Systems: Modeling and Analysis of
Engineering Systems Plant Engineering:
Manufacturing Processes; Instrumentation and
Measurements; Materials Handling and
Processing; Fire Protection Systems;
Environmental Pollutants and Remediation;
Hazardous Material Storage and Disposal
Fundamentals: Math Review; Probability;
Statics; Engineering Economic Analysis Law and
Ethics: Engineering Law; Ethics What's New in
This Edition 36 chapters with new material, and
46 chapters with revisions to existing material
300 new equations, and 128 updated equations
27 new tables, and 31 updated tables 7 new
examples, and 34 updated examples 10 new
appendices, and 27 updated appendices 35 new
figures, and 28 updated figures 1,094 new index
entries, and 108 updated index entries Get your
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Facilities Design - Sunderesh S. Heragu

2018-10-08

Now in Its Fourth Edition: Your Guide to Successful Facility Design Overcome design and planning problems using the fourth edition of Facilities Design. Dedicated to the proper design, layout, and location of facilities, this definitive guide outlines the main design and operational problems that occur in manufacturing and service systems, explains the significance of facility design and planning problems, and describes how mathematical models can be used to help analyze and solve them. Combining theory with practice, this revised work presents state-of-the-art topics in materials handling, warehousing, and logistics along with real-world examples that emphasize the importance of modeling and analysis when determining a solution to complex facility design problems. What's New in the Fourth Edition: The latest version introduces new material that

includes handling equipment and systems, and presents relevant case studies in each and every chapter. It also provides access to Layout-iQ software, data files for many of the numerical examples that are contained throughout the book, and PowerPoint files for various chapters. Additionally, the author: Describes tools commonly used for presenting layout designs Presents traditional models for facility layout including the popular systematic layout planning (SLP) model in detail Provides a layout project involving the SLP model Covers group technology and cellular manufacturing at the elementary level Includes a project and case study on machine grouping and layout Considers next-generation factory layouts Discusses analytical queuing and queuing network models, and more Facilities Design, Fourth Edition explains the ins and outs of facility planning and design. A reference for both student and professional, the book addresses facilities design and layout problems in manufacturing systems

and covers layout, logistics, supply chain, warehousing, and materials handling. Please visit the author's website for ancillary materials: <http://sundere.okstate.edu/downloadable-software-programs-and-data-files>.

Warehouse Design and Control - 1999

Integrated Production, Control Systems - David D. Bedworth 1987

Focuses on the quantitative approaches necessary to computer-integrated manufacturing systems, and integrates major topics covering all phases of the production control cycle: production information processing and flow, production planning, forecasting, material requirements planning and monetary control, and scheduling. This new edition features a compendium set of 11 user-friendly computer programs for the IBM PC that enhance the teaching power of the text, allowing readers to solve real-life problems. Among programs included are growth forecasting, aggregate

planning, material requirements planning, lot sizing and inventory control, and limited-resource scheduling. The chapters on scheduling give particularly thorough coverage on this difficult subject. Solutions are clearly presented, with many examples and exercises included in the text.

Designing for People - Christopher D. Wickens
2017-08-31

Whether it is the car you drive or the app on your smartphone, technology has an increasingly powerful influence on you. When designed with people in mind, this influence can improve lives and productivity. This book provides a broad introduction on how to attend to the needs, capabilities, and preferences of people in the design process. We combine methods of design thinking and systems thinking to understand people's needs and evaluate whether those needs are met. This book also provides a detailed description of the capabilities and limits of people-both mental and physical-and how

these can guide the design of everything from typography to teams and from data visualization to habits. The book includes: * Over 70 design principles for displays, controls, human-computer interaction, automation, and workspace layout * Integrative discussion of the research and theory underlying these guidelines, supported by over 1,000 references * Examples of successful and unsuccessful designs and exercises that link principles and theory to applications in consumer products, the workplace, and high risk-systems We hope this book will give a useful introduction to students entering the field and will also serve as a reference for researchers, engineers, and designers.

Integer Programming - Michele Conforti
2014-11-15

This book is an elegant and rigorous presentation of integer programming, exposing the subject's mathematical depth and broad applicability. Special attention is given to the

theory behind the algorithms used in state-of-the-art solvers. An abundance of concrete examples and exercises of both theoretical and real-world interest explore the wide range of applications and ramifications of the theory. Each chapter is accompanied by an expertly informed guide to the literature and special topics, rounding out the reader's understanding and serving as a gateway to deeper study. Key topics include: formulations polyhedral theory cutting planes decomposition enumeration semidefinite relaxations Written by renowned experts in integer programming and combinatorial optimization, *Integer Programming* is destined to become an essential text in the field.

[Analysis, Design, and Evaluation of Human-Machine Systems 2004](#) - Amy Pritchett 2005

The Debate over Corporate Social Responsibility - Steven K. May 2007-04-19
Should business strive to be socially responsible,

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and if so, how? The Debate over Corporate Social Responsibility updates and broadens the discussion of these questions by bringing together in one volume a variety of practical and theoretical perspectives on corporate social responsibility. It is perhaps the single most comprehensive volume available on the question of just how "social" business ought to be. The volume includes contributions from the fields of communication, business, law, sociology, political science, economics, accounting, and environmental studies. Moreover, it draws from experiences and examples from around the world, including but not limited to recent corporate scandals and controversies in the U.S. and Europe. A number of the chapters examine closely the basic assumptions underlying the philosophy of socially responsible business. Other chapters speak to the practical challenges and possibilities for corporate social responsibility in the twenty-first century. One of the most distinctive features of the book is its

coverage of the very ways that the issue of corporate social responsibility has been defined, shaped, and discussed in the past four decades. That is, the editors and many of the authors are attuned to the persuasive strategies and formulations used to talk about socially responsible business, and demonstrate why the talk matters. For example, the book offers a careful analysis of how certain values have become associated with the business enterprise and how particular economic and political positions have been established by and for business. This book will be of great interest to scholars, business leaders, graduate students, and others interested in the contours of the debate over what role large-scale corporate commerce should take in the future of the industrialized world.

Introduction to Psychology - Daniel L. Schacter 2013-07-01

Contemporary Logistics, Global Edition -

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Paul Regis Murphy 2017-12-20

For undergraduate and graduate courses in Logistics A dynamic foundation to the global study of contemporary logistics A market-leading text, Contemporary Logistics explores modern logistics from a managerial perspective. These are characterized by geopolitical tensions in parts of the world, steadily increasing trade, supply chain vulnerabilities caused by severe natural disasters, and an unabated pace of technological advancement. In it, readers see theory come to life through timely, practical, and exciting coverage of logistics fundamentals, and challenges and opportunities for logistics managers in today's dynamic global landscape. The 12th Edition provides the most up-to-date insights and perspectives sourced from reviewers, adopters, and other stakeholders. *Principles of Database Management* - Wilfried Lemahieu 2018-07-12
Introductory, theory-practice balanced text teaching the fundamentals of databases to

advanced undergraduates or graduate students in information systems or computer science. *Applications of Engineering Materials* - Jing Long Bu 2011-07-04

This book covers the subject areas of new functional materials, building materials, new energy materials, environmental catalysis and environment-friendly materials, earthquake-resistant structures, materials and design, biomaterials, chemical materials, thin films, hydrogen and fuel cell science, engineering and technology, textile materials, smart/intelligent materials/intelligent systems and other related topics. An invaluable guide to the topics.

EIT Industrial Review - Donovan Young 1997

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.

R Markdown - Yihui Xie 2018-07-27

R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents

and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Grolemund is the co-author of R for Data Science and author of Hands-On

Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

Iterative Methods in Combinatorial Optimization - Lap Chi Lau 2011-04-18

With the advent of approximation algorithms for NP-hard combinatorial optimization problems, several techniques from exact optimization such as the primal-dual method have proven their staying power and versatility. This book describes a simple and powerful method that is iterative in essence and similarly useful in a variety of settings for exact and approximate optimization. The authors highlight the commonality and uses of this method to prove a variety of classical polyhedral results on matchings, trees, matroids and flows. The presentation style is elementary enough to be accessible to anyone with exposure to basic linear algebra and graph theory, making the book suitable for introductory courses in

combinatorial optimization at the upper undergraduate and beginning graduate levels. Discussions of advanced applications illustrate their potential for future application in research in approximation algorithms.

Introduction to Online Convex Optimization - Elad Hazan 2016-08-10

This book serves as a reference for a self-contained course on online convex optimization and the convex optimization approach to machine learning for the educated graduate student in computer science/electrical engineering/ operations research/statistics and related fields. An ideal reference.

The Quality Cure - David Cutler 2014-04-16
In the United States, the soaring cost of health care has become an economic drag and a political flashpoint. Moreover, although the country's medical spending is higher than that of any other nation, health outcomes are no better than elsewhere, and in some cases are even worse. In *The Quality Cure*, renowned health

care economist and former Obama advisor David Cutler offers an accessible and incisive account of the issues and their causes, as well as a road map for the future of health care reform—one that shows how information technology, realigned payment systems, and value-focused organizations together have the power to resolve this seemingly intractable problem and transform the US health care system into one that is affordable, efficient, and effective.

Stochastic Models of Manufacturing Systems - John A. Buzacott 1993

Develops stochastic models to evaluate the performance, design, control, and operation of manufacturing systems, and discusses workload allocation and assembly systems

Optimization in Operations Research - Ronald L. Rardin 2014-01-01

For first courses in operations research, operations management Optimization in Operations Research, Second Edition covers a broad range of optimization techniques,

including linear programming, network flows, integer/combinational optimization, and nonlinear programming. This dynamic text emphasizes the importance of modeling and problem formulation and how to apply algorithms to real-world problems to arrive at optimal solutions. Use a program that presents a better teaching and learning experience—for you and your students. Prepare students for real-world problems: Students learn how to apply algorithms to problems that get them ready for their field. Use strong pedagogy tools to teach: Key concepts are easy to follow with the text's clear and continually reinforced learning path. Enjoy the text's flexibility: The text features varying amounts of coverage, so that instructors can choose how in-depth they want to go into different topics.

Introduction to Probability Models - Wayne L. Winston 2003
Vol. 2: CD-ROM contains student editions of: ProcessModel, LINGO, Premium Solver,

DecisionTools Suite including @RISK AND RISKOptimizer, Data files.

DESIGN AND ANALYSIS OF LEAN

PRODUCTION SYSTEMS - Ronald G. Askin 2007

Market_Desc: Management consultants and production control professionals in discrete parts manufacturing (both electronics and mechanical parts industries) Special Features: · Multi-level inventory material· Organized by topic and chronologically.· Covers supply chain integration issues within plant models About The Book: This book covers the design and improvement of single and multistage production systems. Following the standard production planning and scheduling decision hierarchy, it describes the inputs and outputs at each level of the decision hierarchy and one or more decision approaches. The assumptions leading to each approach are included along with the details of the model and the corresponding solution. Modern system concepts and the engineering methods for creating lean

production systems are included.

Language, Mind, and Brain - T. W. Simon
2019-01-22

The chapters in this volume are extended versions of material first presented at the National Interdisciplinary Symposium on Language, Mind, and Brain held April 6-9, 1978, in Gainesville, Florida. Importantly for interdisciplinary goals, the papers contained in this volume are quite “available”; that is, papers by philosophers can easily be read and understood by linguists and psychologists; the ideas of the linguists are readily comprehensible to any educated reader; the psychologists and neurologically oriented writers are clear and understandable. It is, then, a volume that cuts, not so much across disciplines, but through them. First published in 1982. Routledge is an imprint of Taylor & Francis, an informa company.

Fact and Fiction in Global Energy Policy - Benjamin K. Sovacool 2016-04-29

A balanced examination of global energy issues. Energy sustainability and climate change are two of the greatest challenges facing humankind. Unraveling these complex and interconnected issues demands careful and objective assessment. Fact and Fiction in Global Energy Policy aims to change the prevailing discourse by examining fifteen core energy questions from a variety of perspectives, demonstrating how, for each of them, no clear-cut answer exists. Is industry the chief energy villain? Can we sustainably feed and fuel the planet at the same time? Is nuclear energy worth the risk? Should geoengineering be outlawed? Touching on pollution, climate mitigation and adaptation, energy efficiency, government intervention, and energy security, the authors explore interrelated concepts of law, philosophy, ethics, technology, economics, psychology, sociology, and public policy. This book offers a much-needed critical appraisal of the central energy technology and policy dilemmas of our

time and the impact of these on multiple stakeholders.

Student Solutions Manual for Winston and Venkataramanan's Introduction to Mathematical Programming, Fourth Edition - Wayne L.

Winston 2003

The student solutions manual provides worked out solutions to 1/3 of the problems in the text.

Introduction to Development Studies - Frik De Beer 2000

Written by Hennie Swanepoel and Frik de Beer(both based in South Africa) this development studies text, first published in 1997, is suitable for all introductory-level courses.

International Conference on Simulation in Engineering Education (ICSEE'94) - Society for Computer Simulation 1993

Engineering Biostatistics - Brani Vidakovic
2017-11-06

Provides a one-stop resource for engineers

learning biostatistics using MATLAB® and WinBUGS Through its scope and depth of coverage, this book addresses the needs of the vibrant and rapidly growing bio-oriented engineering fields while implementing software packages that are familiar to engineers. The book is heavily oriented to computation and hands-on approaches so readers understand each step of the programming. Another dimension of this book is in parallel coverage of both Bayesian and frequentist approaches to statistical inference. It avoids taking sides on the classical vs. Bayesian paradigms, and many examples in this book are solved using both methods. The results are then compared and commented upon. Readers have the choice of MATLAB® for classical data analysis and WinBUGS/OpenBUGS for Bayesian data analysis. Every chapter starts with a box highlighting what is covered in that chapter and ends with exercises, a list of software scripts, datasets, and references. Engineering Biostatistics: An

Introduction using MATLAB® and WinBUGS also includes: parallel coverage of classical and Bayesian approaches, where appropriate substantial coverage of Bayesian approaches to statistical inference material that has been classroom-tested in an introductory statistics course in bioengineering over several years exercises at the end of each chapter and an accompanying website with full solutions and hints to some exercises, as well as additional materials and examples Engineering Biostatistics: An Introduction using MATLAB® and WinBUGS can serve as a textbook for introductory-to-intermediate applied statistics courses, as well as a useful reference for engineers interested in biostatistical approaches.

Warehousing in the Global Supply Chain -

Riccardo Manzini 2012-01-05

With increased globalization and offshore sourcing, global supply chain management is becoming an important issue for many

businesses as it involves a company's worldwide interests and suppliers rather than simply a local or national orientation. The storage systems significantly affect the level of quality of products, the customer's service level, and the global logistic cost. The mission of warehousing systems design, control and optimization is to effectively ship products in the right place, at the right time, and in the right quantity (i.e. in any configuration) without any damages or alterations, and minimizing costs. Warehousing in the Global Supply Chain presents and discusses a set of models, tools and real applications, including a few case studies rarely presented with a sufficient detail by other literature, to illustrate the main challenges in warehousing activities. This includes all warehouse operations (from receiving to shipping), problems and issues (e.g. storage allocation, assignment, layout, vehicle routing) for industrial and service systems as parts of global supply chains. Advanced and effective

solving methods are also illustrated and the discussed case studies help the reader to quickly apply the proposed models and techniques/algorithms. Warehousing in the Global Supply Chain is useful to managers and practitioners of industry and service sectors for the determination and modeling of the critical issues concerning warehousing systems planning and design. It is a valuable source of information for engineering students, doctoral and post-doctoral students, and researchers of academic institutions who are searching for advanced modeling approaches and solving techniques to complex logistic decision making problems. Warehousing in the Global Supply Chain presents and discusses a set of models, tools and real applications, including a few case studies rarely presented with a sufficient detail by other literature, to illustrate the main challenges in warehousing activities. This includes all warehouse operations (from receiving to shipping), problems and issues (e.g.

storage allocation, assignment, layout, vehicle routing) for industrial and service systems as parts of global supply chains. Advanced and effective solving methods are also illustrated and the discussed case studies help the reader to quickly apply the proposed models and techniques/algorithms. Warehousing in the Global Supply Chain is useful to managers and practitioners of industry and service sectors for the determination and modeling of the critical issues concerning warehousing systems planning and design. It is a valuable source of information for engineering students, doctoral and post-doctoral students, and researchers of academic institutions who are searching for advanced modeling approaches and solving techniques to complex logistic decision making problems.

Nonparametric Econometrics - Qi Li 2011-10-09

Until now, students and researchers in nonparametric and semiparametric statistics and econometrics have had to turn to the latest

journal articles to keep pace with these emerging methods of economic analysis. *Nonparametric Econometrics* fills a major gap by gathering together the most up-to-date theory and techniques and presenting them in a remarkably straightforward and accessible format. The empirical tests, data, and exercises included in this textbook help make it the ideal introduction for graduate students and an indispensable resource for researchers.

Nonparametric and semiparametric methods have attracted a great deal of attention from statisticians in recent decades. While the majority of existing books on the subject operate from the presumption that the underlying data is strictly continuous in nature, more often than not social scientists deal with categorical data--nominal and ordinal--in applied settings. The conventional nonparametric approach to dealing with the presence of discrete variables is acknowledged to be unsatisfactory. This book is tailored to the needs of applied econometricians

and social scientists. Qi Li and Jeffrey Racine emphasize nonparametric techniques suited to the rich array of data types--continuous, nominal, and ordinal--within one coherent framework. They also emphasize the properties of nonparametric estimators in the presence of potentially irrelevant variables. Nonparametric Econometrics covers all the material necessary to understand and apply nonparametric methods for real-world problems.

Factory Physics - Wallace J. Hopp 2001
Comprehensive Introduction to Manufacturing Management text covering the behavior laws at work in factories. Examines operating policies and strategic objectives. Hopp presents the concepts of manufacturing processes and controls within a "physics" or "laws of nature" analogy--a novel approach. There is enough quantitative material for an engineer's course, as well as narrative that a management major can understand and apply.

Corporate Citizenship - Alfred Bimha

2017-01-15

Corporate citizenship is a prominent international issue as contemporary corporations are no longer expected to perform financially, but are also expected to have an ethical relationship of responsibility between the corporate itself and the society in which it operates and performs its business activities. Provides an up-to-date theoretical content pertaining to corporate citizenship, providing local and global examples and case studies.

Numerical Analysis for Statisticians - Kenneth Lange 2010-05-17

Numerical analysis is the study of computation and its accuracy, stability and often its implementation on a computer. This book focuses on the principles of numerical analysis and is intended to equip those readers who use statistics to craft their own software and to understand the advantages and disadvantages of different numerical methods.

Analysis of Financial Time Series - Ruey S. Tsay

2005-09-15

Provides statistical tools and techniques needed to understand today's financial markets. The Second Edition of this critically acclaimed text provides a comprehensive and systematic introduction to financial econometric models and their applications in modeling and predicting financial time series data. This latest edition continues to emphasize empirical financial data and focuses on real-world examples. Following this approach, readers will master key aspects of financial time series, including volatility modeling, neural network applications, market microstructure and high-frequency financial data, continuous-time models and Ito's Lemma, Value at Risk, multiple returns analysis, financial factor models, and econometric modeling via computation-intensive methods. The author begins with the basic characteristics of financial time series data, setting the foundation for the three main topics: Analysis and application of univariate financial time series

Return series of multiple assets Bayesian inference in finance methods This new edition is a thoroughly revised and updated text, including the addition of S-Plus® commands and illustrations. Exercises have been thoroughly updated and expanded and include the most current data, providing readers with more opportunities to put the models and methods into practice. Among the new material added to the text, readers will find: Consistent covariance estimation under heteroscedasticity and serial correlation Alternative approaches to volatility modeling Financial factor models State-space models Kalman filtering Estimation of stochastic diffusion models The tools provided in this text aid readers in developing a deeper understanding of financial markets through firsthand experience in working with financial data. This is an ideal textbook for MBA students as well as a reference for researchers and professionals in business and finance.

Introductory Business Statistics - Alexander

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Holmes 2018-01-07

Introductory Business Statistics is designed to meet the scope and sequence requirements of the one-semester statistics course for business, economics, and related majors. Core statistical concepts and skills have been augmented with practical business examples, scenarios, and exercises. The result is a meaningful understanding of the discipline, which will serve students in their business careers and real-world experiences.

Climate Change and Global Energy Security - Marilyn A. Brown 2011-08-12

An exploration of commercially available technologies that can enhance energy security and address climate change and public policy options crucial to their adoption. Tackling climate change and improving energy security are two of the twenty-first century's greatest challenges. In this book, Marilyn Brown and Benjamin Sovacool offer detailed assessments of the most advanced commercially available

technologies for strengthening global energy security, mitigating the effects of climate change, and enhancing resilience through adaptation and geo-engineering. They also evaluate the barriers to the deployment of these technologies and critically review public policy options crucial to their adoption. Arguing that society has all the technologies necessary for the task, Brown and Sovacool discuss an array of options available today, including high-efficiency transportation, renewable energy, carbon sequestration, and demand-side management. They offer eight case studies from around the world that document successful approaches to reducing emissions of greenhouse gases and improving energy security. These include the Danish approach to energy policy and wind power, Brazil's ethanol program, China's improved cookstove program; and the U.S. Toxics Release Inventory. Brown and Sovacool argue that meeting the twin challenges of climate change and energy security will allow us

to provide energy, maintain economic growth, and preserve the natural environment—without forcing tradeoffs among them.

World-Class Warehousing and Material Handling

- Edward H. Frazelle 2001-10-09

Timeless Insights for Planning and Managing 21st-Century Warehouse Operations Despite today's just-in-time production mentality, with its efforts to eliminate warehouses and their inventory carrying costs, effective warehousing continues to play a critical bottom-line role for companies worldwide. World-Class Warehousing and Material Handling covers today's state-of-the-art tools, metrics, and methodologies for dramatically increasing the effectiveness, accuracy, and overall productivity of warehousing operations. Written by one of today's recognized logistics thought leaders, this comprehensive resource provides authoritative answers on such topics as: The seven principles of world-class warehousing Warehouse activity profiling Warehouse performance measures

Warehouse automation and computerization Receiving and put away Storage and retrieval operations Picking and packing Humanizing warehouse operations World-Class Warehousing and Material Handling describes the processes and systems required for meeting the changing demands of warehousing. Filled with practices from proven to innovative, it will help all logistics professionals improve the productivity, quality, and cycle time of their existing warehouse operations. Not too long ago, effective warehousing was a relatively straightforward progression of receiving, storing, and shipping. But in today's age of e-commerce, supply chain integration, globalization, and just-in-time methodology, warehousing has become more complex than at any time in the past not to mention more costly. World-Class Warehousing and Material Handling breaks through the confusing array of warehouse technology, buzzwords, and third-party providers to describe the principles of

warehousing required for the implementation of world-class warehousing operations. Holding up efficiency and accuracy as the keys to success in warehousing, it is the first widely published methodology for warehouse problem solving across all areas of the supply chain, providing an organized set of principles that can be used to streamline all types of warehousing operations. Case studies from Avon, Ford, Xerox, True Value Hardware, and others detail how today's most innovative logistics and supply chain managers are arriving at proven solutions to a wide variety of warehousing challenges. Topics discussed include: Warehouse activity profiling for identifying causes of information and material flow problems and pinpointing opportunities for improvement Warehouse performance measures for monitoring, reporting, and benchmarking warehouse performance Storage and retrieval system selection for improving storage density, handling productivity, and trade-offs in required capital investment Order

picking strategies for improving the productivity and accuracy of order fulfillment Computerizing warehousing operations for profiling activity, monitoring performance, and simplifying operations World-Class Warehousing and Material Handling integrates global and e-commerce issues as it addresses customization, information technology, performance analysis, expansion and contraction planning, and the overall role of the warehouse in logistics management and the supply chain. Filled with proven operational solutions, it will guide managers as they develop a warehouse master plan, one designed to minimize the effects of supply chain inefficiencies as it improves logistics accuracy and inventory management and reduces overall warehousing expense.

Supply Chain Engineering - Marc

Goetschalckx 2011-08-11

The focus of Supply Chain Engineering is the engineering design and planning of supply chain

systems. There exists a very large variety of supply chain system types, all with different goals, constraints, and decisions, but a systematic approach for the design and planning of any supply chain can be based on the principles and methods of system engineering. In this book, author Marc Goetschalckx presents material developed at the Georgia Tech Supply Chain and Logistics Institute, the largest supply chain and logistics research and education program in the world. The book can be roughly divided into four sections. The first section focuses on data management. Since most of planning and design requires making decisions today so that supply chain functions can be executed efficiently in the future, this section introduces forecasting principles and techniques. The second section of the book focuses on transportation systems. First, the characteristics of transportation assets and infrastructure are shown. Then four chapters focus on the planning of transportation activities

depending on who controls the transportation assets. The third section of the book is focused on storing goods, and the last section of the book is focused on supply chain systems that consider simultaneously procurement, production, and transportation and inventory as well as the design of the supply chain infrastructure or network design. In each chapter, first a model of the process being studied is developed followed by a description of practical solution algorithms. More advanced material is typically described in appendices. This makes it possible to use an integrated, breath-first treatment of supply chain systems by using the initial material in each chapter. A more in depth treatment of a specific topic or process can be found towards the end of each chapter. End-of-chapter exercises are included throughout. This text is suitable for several target audiences. The first target is a course for upper-level undergraduate students on supply chains. The second target is the use in a

capstone senior design project in the supply chain area. The third target is an introductory course on supply chains either in a master of engineering or a master of business administration program, and the final audience consists of students attending logistics or supply chain post-graduate or continuing education courses.

Python for Data Analysis - Wes McKinney
2017-09-25

Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the

process. Written by Wes McKinney, the creator of the Python pandas project, this book is a practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples