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Analytical Models for Decision Making *Quantitative Methods for Decision Makers Judgment and Decision-Making Research in Accounting and Auditing Environmental Public Policy Making Exposed* Data Science for Decision Makers & Data Professionals Data Quality for Decision Makers **Tackling Complexity Ft. Mueller Decision Making in the Manufacturing Environment Systems and Decision Making** Decision Making in Natural Resource Management Economics for Investment Decision Makers Thinking in Time *The Consequences of Decision-Making Strategic Security Management* **Decision Making for Leaders Decision-Making and the Information System Financial Accounting for Decision Makers with MyAccountingLab Access Card** *Quantitative Techniques for Decision Making in Construction* **Managing Policy Reform** Financial Accounting for Decision Makers Accounting **The Art of Decision Making** Finance for IT Decision Makers *Complex Decision Making Practical Software Measurement* Presentations for Decision Makers **Facilitator's Guide to Participatory Decision-Making Model-Based Decision Support Methodology with Environmental Applications Multimedia for Decision Makers Network Meta-Analysis for Decision-Making Financial Analysis for Decision Making Ethics in Health Administration: A Practical Approach for Decision Makers Ethylene Dibromide (EDB), a Guide for Decision Makers** *Dyadic Decision Making* **Rough Multiple Objective Decision Making** Statistical Analysis for Decision Making Financial Accounting for Decision Makers **The Power of Experiments** *The Secrets of Decision Making*

Strategic Security Management Aug 15 2021 Strategic Security Management, Second Edition provides security leadership and decision-makers with a fresh perspective on threat, vulnerability, and risk assessment. The book offers a framework to look at applying security analysis and theory into practice for effective security program, implementation, management and evaluation. Chapters examine metric-based security resource allocation of countermeasures, including security procedures, utilization of personnel, and electronic measures. The new edition is fully updated to reflect the latest industry best-practices and includes contributions from security industry leaders—based on their years of professional experience—including: Nick Vellani, Michael Silva, Kenneth Wheatley, Robert Emery, Michael Haggard. Strategic Security Management, Second Edition will be a welcome addition to the security literature for all security professionals, security managers, and criminal justice students interested in understanding foundational security principles and their application.

Multimedia for Decision Makers Apr 30 2020 A brief and businesslike introduction to new media and its potentials and pitfalls for professional communications. The author of the successful Desktop Multimedia Bible offers an explanatory book for those who will decide to make the investment in multimedia hardware, software, and programming--a timely area of computing that seems to change almost daily.

Statistical Analysis for Decision Making Sep 23 2019

Systems and Decision Making Jan 20 2022 Systems and Decision Making A Management Science Approach Hans G Daellenbach University of Canterbury, Christchurch, New Zealand Traditional methods of problem solving, based on the cause-and-effect model, can no longer cope with the complex situations in which decisions have to be made today. These problem situations occur within a systems context. Most of these systems are created and controlled by humans and it is, therefore, important that decision making is guided by a systematic and comprehensive methodology that helps the decision maker to make effective use of his/her extensive but limited powers of reasoning. Systems and Decision Making combines contemporary systems work with Operations Research (OR). Daellenbach places an emphasis on developing a methodology for decision situations that lend themselves to quantitative approaches rather than give an elementary survey of many OR/MS techniques. It incorporates some of the learnings of soft systems methodology for more practical problem solving, particularly at the problem identification and formulation stages. The text also shows that the scientific component of modelling can be considerably enhanced by the use of various diagrammatic devices. The second part of the book studies a number of topics important for the analyst, such as how to deal with the time element, with constraints, with uncertainty, and with multiple goals. These are demonstrated by various OR/MS techniques. Systems and Decision Making is an excellent core text for undergraduate and graduate students of systems, management science and MBA courses.

Facilitator's Guide to Participatory Decision-Making Jul 02 2020 Unleash the transformative power of face to face groups The third edition of this ground-breaking book continues to advance its mission to support groups to do their best thinking. It demonstrates that meetings can be much more than merely an occasion for solving a problem or creating a plan. Every well-facilitated meeting is also an opportunity to stretch and develop the perspectives of the individual members, thereby building the strength and capacity of the group as a whole. This fully updated edition of The Facilitator's Guide to Participatory Decision-Making guides readers through the struggle and the satisfaction of putting participatory values into practice, helping them to fulfill the promise of effective group decision-making. With previous editions already embraced by business and community leaders and consulting professionals around the world, this new book is even more insightful and easy to use. New for this edition: 60 pages of brand new skills and tools Many new case examples Major expansion and reorganization of the advanced sections of the book. New chapter: Teaching A Group About Group Dynamics Doubled in size: Classic Facilitator Challenges. Substantially improved: Designing Realistic Agendas – now three chapters, with wise, insightful answers to the most vexing questions about meeting design.

Rough Multiple Objective Decision Making Oct 25 2019 Under intense scrutiny for the last few decades, Multiple Objective Decision Making (MODM) has been useful for dealing with the multiple-criteria decisions and planning problems associated with many important applications in fields including management science, engineering design, and transportation. Rough set theory has also proved to be an effective mathematical tool to counter the vague description of objects in fields such as artificial intelligence, expert

systems, civil engineering, medical data analysis, data mining, pattern recognition, and decision theory. Rough Multiple Objective Decision Making is perhaps the first book to combine state-of-the-art application of rough set theory, rough approximation techniques, and MODM. It illustrates traditional techniques—and some that employ simulation-based intelligent algorithms—to solve a wide range of realistic problems. Application of rough theory can remedy two types of uncertainty (randomness and fuzziness) which present significant drawbacks to existing decision-making methods, so the authors illustrate the use of rough sets to approximate the feasible set, and they explore use of rough intervals to demonstrate relative coefficients and parameters involved in bi-level MODM. The book reviews relevant literature and introduces models for both random and fuzzy rough MODM, applying proposed models and algorithms to problem solutions. Given the broad range of uses for decision making, the authors offer background and guidance for rough approximation to real-world problems, with case studies that focus on engineering applications, including construction site layout planning, water resource allocation, and resource-constrained project scheduling. The text presents a general framework of rough MODM, including basic theory, models, and algorithms, as well as a proposed methodological system and discussion of future research.

Quantitative Techniques for Decision Making in Construction Apr 11 2021 This is a text book as well as a reference book for decision making in construction. The book is written to serve undergraduates of construction-related programmes and postgraduate students undertaking construction management bridging courses. It contains mainly quantitative techniques used to assist, decision making. Plenty of real life examples are used to illustrate the theories, arguments and calculations.

Decision Making in the Manufacturing Environment Feb 21 2022 This book shows how graph theory and matrix approach, and fuzzy multiple attribute decision making methods can be used in manufacturing. It proposes a methodology that will make decision making in the manufacturing environment structured and systematic. The book uses case studies to present the applications of decision making methods in real manufacturing situations.

Ft. Mueller Mar 22 2022 The Decision Maker's Playbook is an easy-to-use, "how-to" toolkit to improve managers' decision making, using visualisations, relevant examples and actionable checklists that cater to its main target group: analytically interested, busy managers and entrepreneurs. The Decision Maker's Playbook will help readers navigate a complex world. Along the four chapters of the books, it will help you in: 1. Collective Evidence 2. Connecting the Dots 3. Crafting the Approach 4. Complete the Mission The Decision Maker's Playbook is your personal toolbox to help you make better decisions. It offers practical advice to help you understand, analyse and shape your world. As simplified representations of reality, the models portrayed in this book allow us to see patterns, identify relationships, and view the world from different vantage points. They help us understand and break up complex phenomena into tractable pieces. From Unknown unknowns over Fat Tails to Counterfactuals, this book will make lesser known but highly relevant models available for immediate use - in a visual way, supported by applicable case studies and without jargon.

The Consequences of Decision-Making Sep 16 2021 Nils Brunsson is one of the leading European organization theorists who has written and researched decision-making in organizations. He has often questioned the rationality of decision-making, and argued that it is as important to understand other consequences of decision-making apart from choice - such things as mobilizing action, allocating responsibility, and legitimizing organizations.These consequences of decisions can influence decision-making and the assumptions about feasible norms that provide their context. Decisions often run counter to actions and are part of what Brunsson calls organizational hypocrisy. Decisions can substitute for action, or decrease the probability of the action they call for. The norm of rationality is far from obvious: sometimes decision-makers can recommend systematic irrationality.This book collects together a wide-range of Nils Brunsson's most important writing on decision-making, brought together in one volume for the first time, with an introduction from the author.

Financial Analysis for Decision Making Feb 27 2020 Provides a basic information reporting format for executives and accountants.

Analytical Models for Decision Making Oct 29 2022 Describes the quantitative and qualitative methods that can help decision makers to structure and clarify difficult problems and to explore the implications of pursuing differenct options. This book examines; models and decision making in health care, methods for clarifying complex decisions, methods for service planning and resource allocation and modelling for evaluating changes in systems.

Financial Accounting for Decision Makers with MyAccountingLab Access Card May 12 2021 This package includes a physical copy of Financial Accounting for Decision Makers 7e by Atrill as well as access to the eText and MyAccountingLab. Financial Accounting for Decision Makers provides a comprehensive and accessible introduction to the subject focusing on the ways in which financial statements and information can be used to improve the quality of decision making. By introducing topics gradually and explaining technical terminology in a clear, friendly style, the authors cater both for accounting students, and for those studying entry-level accounting within another field. The practical emphasis throughout the book ensures that the material is always relevant, whilst the accompanying MyAccountingLab provides an even greater level of support for learners and instructors. Key features: * Interactive 'open-learning' style, ideal for self-study, encourages you to check your progress continually. * Fully integrated coverage of International Financial Reporting Standards (IFRS). * Numerous activities and exercises enable you to constantly test your understanding and reinforce learning.* Updated chapter on corporate governance outlines the issues and potential problems inherent to the separation of ownership of a company from day-to-day control. * Colourful and relevant examples from the real world, including company reports and survey data, demonstrate the practical application and value of concepts and techniques learnt. * Key terms, glossary and bulleted summaries providing excellent revision aids. MyLab and Mastering from Pearson improve results for students and educators. Used by over ten million students, they effectively engage learners at every stage. With a proven 45% increase in pass rates, MyAccountingLab has helped students make strides in learning for over 10 years. MyAccountingLab has immersive content and tools that are so engaging that one student called it, A perfect combination between pictures, videos and text. It's genius With MyAccountingLab, students gain knowledge that they will use throughout their lives, and universities gain a partner deeply committed to helping students and educators achieve their goals.For students *Personalised study plan: MyAccountingLab gives you the opportunity to test yourself on key concepts and skills and generates a study plan based on topics you have not yet mastered. The study plan links to interactive exercises with guidance, to give you help when you need it most. *Pearson eText gives you access to an ebook that can be used on the go, and allows you to highlight, search and take notes as you read online. For educators *Online assignments, tests, quizzes can be easily created and assigned to students. *Gradebook: Assignments are automatically graded and visible at a

glance.

Practical Software Measurement Sep 04 2020 Advances in Accounting Education is a refereed, academic research annual that aims to help meet the needs of faculty members who are interested in ways to improve accounting classroom instruction at college and university levels. It publishes thoughtful, well-developed articles that are readable, relevant, and reliable.

Financial Accounting for Decision Makers Aug 23 2019 'Financial Accounting for Decision Makers' presents the key concepts of accounting without going into too much unnecessary technical detail. The book is aimed as 'users' of accounting information, not 'preparers' of accounts.

Presentations for Decision Makers Aug 03 2020 Presentations for Decision Makers Third Edition Marya W. Holcombe Judith K. Stein "Every time you open your mouth, you are selling-yourself, ideas, or a product. And every time you are selling, you are making a presentation." So begins this comprehensive guide on developing and delivering presentations in today's global business environment. Presentations for Decision Makers provides a practical system for developing strong persuasive content to get buy-in from decision makers as well as clear guidelines for creating visual support-both of which made the first two editions so popular. This new edition has been expanded and revised to address the roles played by emerging technologies, heightened expectations, and increasing global communications in business presentations today. Presentations for Decision Makers shows you how to use new technology to your advantage, provides guidelines for learning about different cultural mores you may encounter, and considers how to recognize and relate to people with differences in thinking styles in a meeting. It addresses each step in the process, from planning the presentation through creating visuals, rehearsing, preparing for questions, and managing participation in formal, informal, and video conference settings. You will come away with clear, effective strategies for getting your message across. Features new to the 3rd Edition are: Tips for making the most of new presentation technologies How-to information on presenting to an international audience Checklists to gauge the effectiveness of your presentation A companion disk containing templates for computer-generated presentations Topics include: Focusing on the audience Criteria for solving the problem and conveying the message Building a logical structure Designing the presentation Creating compelling visual aids Setting the stage Rehearsing and delivering the presentation Managing audience participation Persuading people in informal meetings, negotiations, and one-on-one Speaking in public Videoconferencing Presenting globally No matter what your role in business, if your job involves communicating with others, you'll find a wealth of practical, usable advice in Presentations for Decision Makers.

Network Meta-Analysis for Decision-Making Mar 30 2020 A practical guide to network meta-analysis with examples and code In the evaluation of healthcare, rigorous methods of quantitative assessment are necessary to establish which interventions are effective and cost-effective. Often a single study will not provide the answers and it is desirable to synthesise evidence from multiple sources, usually randomised controlled trials. This book takes an approach to evidence synthesis that is specifically intended for decision making when there are two or more treatment alternatives being evaluated, and assumes that the purpose of every synthesis is to answer the question "for this pre-identified population of patients, which treatment is 'best'?" A comprehensive, coherent framework for network meta-analysis (mixed treatment comparisons) is adopted and estimated using Bayesian Markov Chain Monte Carlo methods implemented in the freely available software WinBUGS. Each chapter contains worked examples, exercises, solutions and code that may be adapted by readers to apply to their own analyses. This book can be used as an introduction to evidence synthesis and network meta-analysis, its key properties and policy implications. Examples and advanced methods are also presented for the more experienced reader. Methods used throughout this book can be applied consistently: model critique and checking for evidence consistency are emphasised. Methods are based on technical support documents produced for NICE Decision Support Unit, which support the NICE Methods of Technology Appraisal. Code presented is also the basis for the code used by the ISPOR Task Force on Indirect Comparisons. Includes extensive carefully worked examples, with thorough explanations of how to set out data for use in WinBUGS and how to interpret the output. Network Meta-Analysis for Decision Making will be of interest to decision makers, medical statisticians, health economists, and anyone involved in Health Technology Assessment including the pharmaceutical industry.

Dyadic Decision Making Nov 25 2019 Recent research on joint or dyadic decision making has received renewed attention from behavioral scientists. This interest is due mostly to the advances in analytic and conceptual models used to study interaction processes. A number of related disciplines have used distinctive paradigms to study the same focal problem: namely, the processes by which two people interact, come to resolve a problem and, finally, reach a decision. Dyadic Decision Making presents in a single, integrated volume the conceptual and analytic strategies developed in communications research, marketing, psychology and sociology to investigate joint decision making.

Data Science for Decision Makers & Data Professionals Jun 25 2022 Learn how to embed data science, Big Data and AI in your organization's decision-making process and make your organization more data-driven, profitable, and intelligent in 10 steps. Book description This book covers every aspect of the implementation of data science, from the algorithms that make your decisions more refined, effective and faster to the people, skills, culture, and mindset required to make it happen. How do you set the right KPIs and targets? How are the best data-driven organizations structured? Why do you need a data warehouse or data lake? How do you manage a data science project? This book tackles every question relevant to implementing data science. Many organizations start by collecting data without a goal, but that data science approach is doomed to fail. This book takes you through the process of implementing data science from the ground floor all the way to the top. It all starts with the question: what do we want to achieve? It covers all the subsequent steps on a macro and micro level, from the process of registering data, to processing it, to the organization's response. All the relevant data science techniques and technologies are discussed, from algorithms and AI to the right management strategies. Based on many practical case studies and best practices, this book reveals what works and what doesn't. Benefit from the author's many years of experience in making organizations more intelligent and data-driven as a consultant and an educator. What you will learn - The most important benefits of data science. - The essential aspects of decision making and the role of data science. - How to determine the right KPIs and use them to manage effectively. - How to turn data into knowledge and information. - How to make your organization more agile. - The many types of algorithms that can be used to make more effective decisions on every level. - How to manage data science projects - who and what do you need to effectively implement data science? - How to design a data science roadmap. - And much, much more. Who is this book for This book is for every manager or professional, and all those who want to learn how to embed the effective use of data science in every facet of the organization. This comprehensive management handbook is a must-read for

(business) consultants, business managers, Chief Data Officers (CDOs), CIOs, and other executives, project managers, Data Science consultants, Data Scientists, AI consultants, (business) controllers, quality managers, and BI consultants.

Thinking in Time Oct 17 2021 Provides a process and framework for using historical knowledge in intelligent decision making, and presents several situations in which world leaders did and did not do this.

Decision-Making and the Information System Jun 13 2021 The purpose of this book is to question the relationships involved in decision making and the systems designed to support it: decision support systems (DSS). The focus is on how these systems are engineered; to stop and think about the questions to be asked throughout the engineering process and, in particular, about the impact designers' choices have on these systems.

Ethics in Health Administration: A Practical Approach for Decision Makers Jan 28 2020 Given the many advances in technology as well as the ongoing discussion of health care reform post-Affordable Care Act, today's healthcare administrators require a strong foundation in practice-based ethics to confront the challenges of the current healthcare landscape. Ethics in Health Administration, Fourth Edition focuses on the application of ethics to the critical issues faced by today's healthcare administrators. After establishing a foundation in the theory and principles of ethics, the text encourages students to apply ethics to such areas change, regulation, technology and fiscal responsibility. Thoroughly updated, the Fourth Edition includes 12 new, contemporary case studies that encourage students to apply ethics. A new chapter on the Ethics in the Epoch of Change stresses major changes in healthcare, including the digital revolution, population health, ethics temptations and ethic resilience. Other chapters have been revised to include new cases, and more.

Quantitative Methods for Decision Makers Sep 28 2022 Appealing both to students on introductory courses for quantitative methods and MBA students, this well-respected text provides an accessible introduction to an area that students often find difficult. As a manager, developing a good understanding of the business analysis techniques at your disposal is crucial. Knowing how and when to use them and what their results really mean can be the difference between making a good or bad decision and, ultimately, between business success and failure. Quantitative Methods for Decision Makers helps students to understand the relevance of quantitative methods of analysis to manager's decision-making by relating techniques directly to real-life business decisions in public and private sector organisations and focusing on developing appropriate skills and understanding of how the techniques fit into the wider management process. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Economics for Investment Decision Makers Nov 18 2021 The economics background investors need to interpret global economic news distilled to the essential elements: A tool of choice for investment decision-makers. Written by a distinguished academics and practitioners selected and guided by CFA Institute, the world's largest association of finance professionals, Economics for Investment Decision Makers is unique in presenting microeconomics and macroeconomics with relevance to investors and investment analysts constantly in mind. The selection of fundamental topics is comprehensive, while coverage of topics such as international trade, foreign exchange markets, and currency exchange rate forecasting reflects global perspectives of pressing investor importance. Concise, plain-English introduction useful to investors and investment analysts Relevant to security analysis, industry analysis, country analysis, portfolio management, and capital market strategy Understand economic news and what it means All concepts defined and simply explained, no prior background in economics assumed Abundant examples and illustrations Global markets perspective

Accounting Jan 08 2021 With this fourth edition, accountants will acquire a practical set of tools and the confidence they need to use them effectively in making business decisions. It better reflects a more conceptual and decision-making approach to the material. The authors follow a "macro- to micro-" strategy by starting with a discussion of real financial statements first, rather than starting with the Accounting Cycle. The objective is to establish how a financial statement communicates the financing, investing, and operating activities of a business to users of accounting information. This motivates accountants by grounding the discussion in the real world, showing them the relevance of the topics covered to their careers.

Managing Policy Reform Mar 10 2021 * A toolbox for designing, managing, and influencing policy reform in government and civil society * Based on experience in over 40 countries This comprehensive book provides concepts and tools to navigate the "how" of policy change in order to enhance democratic governance. It teaches decision-makers how to implement policy more effectively and increase performance feasibility of these reforms. The research--part of the USAID Implementing Policy Change Project--stems from work with government officials, private sector entrepreneurs, and civil society groups, from regional to national and local levels in over 40 countries. The book includes dynamic tools for designing, managing, and influencing policy reforms in government, donor agencies, NGOs, civil society groups, and the private sector.

Complex Decision Making Oct 05 2020 Today's ever more complex world creates challenges for decision makers. This volume reviews the principles underlying complex decision making, the handling of uncertainties in dynamic environments, and the various modeling approaches. Beginning with a discussion of the underlying concepts, theories and empirical evidence, the book gives you a range of practical tools and techniques for decision making in complex environments and systems.

Data Quality for Decision Makers May 24 2022 Currently many companies are confronted with the decision how to deal with the new data quality requirements of the regulatory authorities. Future data quality statements for enterprise key figures and their origins are being demanded. Applying methods of a data quality management system can produce these statements best. Guilherme Morbey explains the introduction of such a system in the form of a dialogue.

The Art of Decision Making Dec 07 2020 Making good decisions quickly is what marks out truly great leaders from the rest of us. Decision-making is one of the most sought-after skills today, but most of us have never been taught, but one most of us have never been taught. Aged 19, I went off-piste snowboarding, way before I had the skills or experience to do so, and very quickly found myself hurtling towards the edge of a cliff face on sheet ice. Within minutes, I was literally hanging onto a boulder for dear life, with my legs dangling over the precipice. Every single decision I made over the next few hours was life or death. There were no easy choices. Each right decision could be undone by a wrong one, and I was very aware of how close I was to death the whole time: the cold, the wind,

the fading light, the fact no one knew where I was, the fact I had no food or water on me. That day, my brain worked overtime to keep me alive. What I learned has actually been a enabled me to approach decisions in all areas of my life with ease In addition to sharing my story with you, I will also explore 6 of the best decision-making models, as well as teach you how to maintain the mindset of a master decision-maker. After reading this book, you'll find making good decisions quick and easy and will no longer waste time stressing over them or avoid stepping up to make them.

Tackling Complexity Apr 23 2022 Our socio-economic systems continue to grow and evolve. We need to acknowledge that, consequently, our decisions often fail – they are ineffective and create unexpected side effects. The speed of execution is increasing constantly and markets and systems respond almost immediately, making decision-making challenging. There is little or no room for failure.This important new book analyses real world strategy and policy challenges, addressing the interconnectedness of the markets/systems we live in. It provides a step-by-step approach using systems thinking to solve complex problems in socio-political as well as business environment. It proposes a technique with which to better understand the problems and the context in which they arise, and tools to directly inform each step of the decision-making process. The book explores the main innovation that systemic thinking introduces – the emphasis on defining the problem creating system, which is made up of interacting parts, rather than prioritizing events that need immediate fixing.The case studies, examples and the approach proposed can be used to better understand reality and its complexity, and to integrate stakeholders for a better solution. Practically, it can be used to identify problems, analyse their boundaries, design interventions, forecast and measure their expected impacts, implement them and monitor and evaluate their success/failure. The book touches upon global issues related to policy making and strategic management, as well as issues related to sustainable development for both the public and private sector.

Ethylene Dibromide (EDB), a Guide for Decision Makers Dec 27 2019 This book focuses on the effects of EDB inhaled and ingested absorption in non-human and human bodies.

Model-Based Decision Support Methodology with Environmental Applications Jun 01 2020 The complexity of issues requiring rational decision making grows and thus such decisions are becoming more and more difficult, despite advances in methodology and tools for decision support and in other areas of research. Globalization, interlinks between environmental, industrial, social and political issues, and rapid speed of change all contribute to the increase of this complexity. Specialized knowledge about decision-making processes and their support is increasing, but a large spectrum of approaches presented in the literature is typically illustrated only by simple examples. Moreover, the integration of model-based decision support methodologies and tools with specialized model-based knowledge developed for handling real problems in environmental, engineering, industrial, economical, social and political activities is often not satisfactory. Therefore, there is a need to present the state of art of methodology and tools for development of model-based decision support systems, and illustrate this state by applications to various complex real-world decision problems. The monograph reports many years of experience of many researchers, who have not only contributed to the developments in operations research but also succeeded to integrate knowledge and craft of various disciplines into several modern decision support systems which have been applied to actual complex decision-making processes in various fields of policy making. The experience presented in this book will be of value to researchers and practitioners in various fields. The issues discussed in this book gain in importance with the development of the new era of the information society, where information, knowledge, and ways of processing them become a decisive part of human activities. The examples presented in this book illustrate how how various methods and tools of model-based decision support can actually be used for helping modern decision makers that face complex problems. Overview of the contents: The first part of this three-part book presents the methodological background and characteristics of modern decision-making environment, and the value of model-based decision support thus addressing current challenges of decision support. It also provides the methodology of building and analyzing mathematical models that represent underlying physical and economic processes, and that are useful for modern decision makers at various stages of decision making. These methods support not only the analysis of Pareto-efficient solutions that correspond best to decision maker preferences but also allow the use of other modeling concepts like soft constraints, soft simulation, or inverse simulation. The second part describes various types of tools that are used for the development of decision support systems. These include tools for modeling, simulation, optimization, tools supporting choice and user interfaces. The described tools are both standard, commercially available, and nonstandard, public domain or shareware software, which are robust enough to be used also for complex applications. All four environmental applications (regional water quality management, land use planning, cost-effective policies aimed at improving the European air quality, energy planning with environmental implications) presented in the third part of the book rely on many years of cooperation between the authors of the book with several IIASA's projects, and with many researchers from the wide IIASA network of collaborating institutions. All these applications are characterized by an intensive use of model-based decision support. Finally, the appendix contains a short description of some of the tools described in the book that are available from IIASA, free of charge, for research and educational purposes. The experiences reported in this book indicate that the development of DSSs for strategic environmental decision making should be a joint effort involving experts in the subject area, modelers, and decision support experts. For the other experiences discussed in this book, the authors stress the importance of good data bases, and good libraries of tools. One of the most important requirements is a modular structure of a DSS that enhances the reusability of system modules. In such modular structures, user interfaces play an important role. The book shows how modern achievements in mathematical programming and computer sciences may be exploited for supporting decision making, especially about strategic environmental problems. It presents the methodological background of various methods for model-based decision support and reviews methods and tools for model development and analysis. The methods and tools are amply illustrated with extensive applications. Audience: This book will be of interest to researchers and practitioners in the fields of model development and analysis, model-based decision analysis and support, (particularly in the environment, economics, agriculture, engineering, and negotiations areas) and mathematical programming. For understanding of some parts of the text a background in mathematics and operational research is required but several chapters of the book will be of value also for readers without such a background. The monograph is also suitable for use as a text book for courses on advanced (Master and Ph.D.) levels for programs on Operations Research, decision analysis, decision support and various environmental studies (depending on the program different parts of the book may be emphasized).

Financial Accounting for Decision Makers Feb 09 2021

Environmental Public Policy Making Exposed Jul 26 2022 This book exposes the barriers to inclusive and effective public policy

making, which are the current decision making paradigm and commonly held ideas that reduce public policy problems to scientific and technical ones. Through both environmental policy and other decision making examples, readers are shown the commonalities of all decision making. Solution-oriented practitioners and stakeholders will find this book filling a conceptual and methodological gap in existing policy literature and practice. The authors deftly guide readers from post-normal science, wicked problems, and uncertainty concepts to a conceptually-grounded, practical implementation of a new approach, the open solution approach. The Multi-criteria Integrated Resource Assessment (MIRA) is described as the first generation methodology that fulfills the expectations for the inclusive, transparent, and learning-based open solutions approach. MIRA is a holistic package of concepts, methods and analytical tools that is designed to assess Decision Uncertainty, the combined uncertainties that include data, problem formulation, expert judgments, and stakeholder opinions. Introduction of the Requisite Steps, the common steps found in all decision making, provides the yardstick for evaluating a variety of decision making processes, decision tools, and commonly found indices such as the Dow Jones Industrial Average or the Newsweek Green Ranking of corporations. The use of anecdotes, policy stories, and case examples makes this a very readable and practical book for citizens and experts. With this book, readers are prepared to critically evaluate these common indices for their personal use as well as challenge policy processes as a stakeholder. For policy practitioners, this guidebook will become a rubric to ensure an effective public policy making process and to critically evaluate decision support tools.

Judgment and Decision-Making Research in Accounting and Auditing Aug 27 2022 A timely and comprehensive study on behavioural decision-making within the field of accounting.

The Power of Experiments Jul 22 2019 How tech companies like Google, Airbnb, StubHub, and Facebook learn from experiments in our data-driven world—an excellent primer on experimental and behavioral economics Have you logged into Facebook recently? Searched for something on Google? Chosen a movie on Netflix? If so, you've probably been an unwitting participant in a variety of experiments—also known as randomized controlled trials—designed to test the impact of different online experiences. Once an esoteric tool for academic research, the randomized controlled trial has gone mainstream. No tech company worth its salt (or its share price) would dare make major changes to its platform without first running experiments to understand how they would influence user behavior. In this book, Michael Luca and Max Bazerman explain the importance of experiments for decision making in a data-driven world. Luca and Bazerman describe the central role experiments play in the tech sector, drawing lessons and best practices from the experiences of such companies as StubHub, Alibaba, and Uber. Successful experiments can save companies money—eBay, for example, discovered how to cut $50 million from its yearly advertising budget—or bring to light something previously ignored, as when Airbnb was forced to confront rampant discrimination by its hosts. Moving beyond tech, Luca and Bazerman consider experimenting for the social good—different ways that governments are using experiments to influence or "nudge" behavior ranging from voter apathy to school absenteeism. Experiments, they argue, are part of any leader's toolkit. With this book, readers can become part of "the experimental revolution."

Decision Making for Leaders Jul 14 2021 Executives in business, industry, & government can find out how to fine tune the decision making process by using the highly acclaimed multicriteria decision making method of the Analytic Hierarchy Process (AHP). Put your decision making on a basis of logic & consistency. The AHP technique helps you organize your thought processes in a logical fashion & set priorities. This method is particularly applicable to decision making involving complex & ill- or non-structured problems with both tangible & intangible factors. You can predict likely outcomes, select the best alternatives, allocate resources according to priorities, conduct cost-benefit comparisons, plan projected or desired futures & exercise control over changes in the decision making system. This is a book of case studies & practical examples with an introduction to the theory. It can serve as a useful textbook in a decision making course in a graduate school of business.

Decision Making in Natural Resource Management Dec 19 2021 This book is intended for use by natural resource managers and scientists, and students in the fields of natural resource management, ecology, and conservation biology, who are confronted with complex and difficult decision making problems. The book takes readers through the process of developing a structured approach to decision making, by firstly deconstructing decisions into component parts, which are each fully analyzed and then reassembled to form a working decision model. The book integrates common-sense ideas about problem definitions, such as the need for decisions to be driven by explicit objectives, with sophisticated approaches for modeling decision influence and incorporating feedback from monitoring programs into decision making via adaptive management. Numerous worked examples are provided for illustration, along with detailed case studies illustrating the authors' experience in applying structured approaches. There is also a series of detailed technical appendices. An accompanying website provides computer code and data used in the worked examples. Additional resources for this book can be found at: www.wiley.com/go/conroy/naturalresourcemanagement.

The Secrets of Decision Making Jun 20 2019 We make decisions throughout the day and in our lifespan we make thousands of decisions. Most of the decisions are routine barring few ones which have profound impact on our life. Gaining competence in decision making is highly desirable for personal and professional prosperity. The objective of writing this book is to provide an opportunity to gain the mastery in decision making. Decision making is both science and an art. When we talk of science we will systematically understand what constitutes to be a decision, how we have evolved as decision makers, how we deviate from rationality under the influence of cognitive biases, how we get emotional manipulated. We will learn these with the help of behavioral sciences - neurosciences, social science, neuroeconomics, cognitive psychology and group dynamics. Decision making is an art because we interpret the decisions subjectively. We have to learn and master this art of decision making so as to be an able, rational and ethical decision maker at individual levels, in groups and at organization level. In this highly engaging book, the author details decision making process, explains how to shield from cognitive biases, external manipulations and temptations, describes various tools and techniques required for decision making and throws light on drafting our own ethical code. The concepts are explained in details alongwith case studies and real life examples. It is an essential read for all individuals.

Finance for IT Decision Makers Nov 06 2020 Finance is as fundamental to the IT world as it is to most other aspects of life. However, many IT professionals lack knowledge of the particular financial principles on which decisions about IT should be based. Assuming no prior knowledge, this new edition covers all relevant aspects of finance and is updated with International Financial Reporting Standards (IFRS) terminology. It is ideal for all IT decision makers who wish to conquer their fear of finance or refresh existing knowledge.