Spreadsheet Based Decision Support Systems

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Introduction to Business IGI Global
This book presents real-world decision support systems, i.e., systems that have been running for some time and as such have been tested in real environments and complex situations; the cases are from various application domains and highlight the best practices in each stage of the system's life cycle, from the initial requirements analysis and design phases to the final stages of the project. Each chapter provides decision-makers with recommendations and insights into lessons learned so that failures can be avoided and successes repeated. For this reason unsuccessful cases, which at some point of their life cycle were deemed as failures for one reason or another, are also included. All decision support systems are presented in a constructive, coherent and deductive manner to enhance the learning effect. It complements the many works that focus on theoretical aspects or individual module design and development by offering 'good' and 'bad' practices when developing and using decision support systems. Combining high-quality research with real-world implementations, it is of interest to researchers and professionals in industry alike.

Issues in Finance, Business, and Economics Research: 2011 Edition Walter de Gruyter GmbH & Co KG
This second edition of Excel Basics to Blackbelt capitalizes on the success of the first edition and leverages some of the advancements in visualization, data analysis, and sharing capabilities that have emerged over the past five years. As with the original text, the second edition is intended to serve as an accelerated guide to decision support designs for consultants and service professionals. This "fast track" enables a ramping up of skills in Excel for those who may have never used it to reach a level of mastery that will allow them to integrate Excel with widely available associated applications, make use of intelligent data visualization and analysis techniques, automate activity through basic VBA designs, and develop easy-to-use interfaces for customizing use. In other words, this book provides users with lessons and examples on integrative Excel use that are not available from alternative texts.

Practice and Challenges in Multidisciplinary

Domains ScholarlyEditions Decision support systems (DSS) are widely touted for their effectiveness in aiding decision making, particularly across a wide and diverse range of industries including healthcare, business, and engineering applications. The concepts, principles, and theories of enhanced decision making are essential points of research as well as the exact methods, tools, and technologies being implemented in these industries. From both a standpoint of DSS interfaces, namely the design and development of these technologies, along with the implementations, including experiences and utilization of these tools, one can get a better sense of how exactly DSS has changed the face of decision making and management in multi-industry applications. Furthermore, the evaluation of the impact of these technologies is essential in moving forward in the future. The Research Anthology on Decision Support Systems and Decision Management in Healthcare, Business, and Engineering explores how decision support systems have been developed and implemented across diverse industries through perspectives on the technology, the utilizations of these tools, and from a decision management standpoint. The chapters will cover not only the interfaces, implementations, and functionality of these tools, but also the overall impacts they have had on the specific industries mentioned. This book also evaluates the effectiveness along with benefits and challenges of using DSS as well as the outlook for the future. This book is ideal for decision makers, IT consultants and specialists, software developers, design professionals, academicians, policymakers, researchers, professionals, and students interested in how DSS is being used in different industries.

VBA for Modelers BoD – Books on Demand Decision Support Systems: Frequently Asked Questions is the authoritative reference guide to computerized Decision Support Systems. Author Dan Power has spent almost 30 years building, studying and teaching others about computerized Decision Support Systems. Dr. Power is first and foremost a Decision Support evangelist and generalist. From his vantage point as editor of DSSResources.COM, he

tracks a broad range of contemporary DSS topics. In this DSS FAQ, Dr. Power answers 83 frequently asked questions about computerized decision support systems. The FAQ covers a broad range of contemporary topics and the questions are organized into 8 chapters. DSS FAQ helps readers understand questions like: What is a DSS? What kind of DSS does Mr. X need? Does data modeling differ for a Data-Driven DSS? Is a Data Warehouse a DSS? Is tax preparation software an example of a DSS? What do I need to know about Data Warehousing/OLAP? What is a cost estimation DSS? What is a Spreadsheet-based DSS? Decision Support Systems: Frequently Asked Questions is a useful resource for IT specialists, students, professors and managers. It organizes important Ask Dan! questions (with answers) published in DSS News from 2000 through 2004.

Decision Support Systems Research (1970-1999) Springer CD-ROM contains: Crystal Ball -- TreePlan -- AnimaLP -- Queue -- ExcelWorkbooks.

Decision Support Systems for Sustainable Development Prentice Hall
This book is targeted to busy managers and MBA students who need to grasp the basics of computerized decision support. Some of the topics covered

include: What is a DSS? What do managers need to know about computerized decision support? And how can managers identify opportunities to create innovative DSS? Overall the book addresses 35 fundamental questions that are relevant to understanding computerized decision support. *Variations* Brooks/Cole Decision Support Systems: Frequently Asked Questions is the authoritative reference guide to computerized Decision Support Systems. Author Dan Power has spent almost 30 years building, studying and teaching others about computerized Decision Support Systems. Dr. Power is first and foremost a Decision Support evangelist and generalist. From his vantage point as editor of DSSResources.COM, he tracks a broad range of contemporary DSS topics. In this DSS FAQ, Dr. Power answers 83 frequently asked questions about computerized decision support systems. The FAQ covers a broad range of contemporary topics and the questions are organized into 8 chapters. DSS FAQ helps readers understand questions like: What is a DSS? What kind of DSS does Mr. X need? Does data modeling differ for a Data-Driven DSS? Is a Data Warehouse a DSS? Is tax preparation software an example of a DSS? What do I need to know about Data Warehousing/OLAP? What is a cost estimation DSS? What is a Spreadsheet-based DSS? Decision Support Systems: Frequently Asked Questions is a useful resource for IT specialists, students, professors and

managers. It organizes important Ask Dan! questions (with answers) published in DSS News from 2000 through 2004.
Advanced Perspectives on Global Industry Transitions and Business Opportunities IGI Global
Developing Spreadsheet-based Decision Support SystemsUsing Excel and VBA for ExcelDeveloping Spreadsheet-based Decision Support SystemsUsing Excel and VBA for ExcelMitchell Beazley
Principles of Management Cengage Learning
ABSTRACT: A decision support system (DSS) is a model-based or knowledge-based system intended to support a managerial decision making user. A spreadsheet-based DSS uses spreadsheets to organize data and perform some spreadsheet functions. It uses a basic programming language to design user interface and implement model algorithms and calculations. A DSS should also oregistered trademarker the user some options to resolve his problem for a comparative analysis which may enhance the decision making process. This thesis proposes design principles and a development process for building a spreadsheet-based decision support

system.

Engineering Effective Decision Support Technologies: New Models and Applications Springer Science & Business Media

Annotation The book presents state-of-the-art knowledge about decision-making support systems (DMSS). Its main goals are to provide a compendium of quality chapters on decision-making support systems that help diffuse scarce knowledge about effective methods and strategies for successfully designing, developing, implementing, and evaluating decision-making support systems, and to create an awareness among readers about the relevance of decision-making support systems in the current complex and dynamic management environment.

Business Analytics with Spreadsheets, Fourth Edition IGI Global

Today's learners master both basic and advanced skills in Visual Basic for Applications (VBA), the programming language for Microsoft Office, with this essential tool. Albright's VBA FOR MODELERS: DEVELOPING DECISION SUPPORT SYSTEMS WITH MICROSOFT OFFICE EXCEL, 5E teaches how to automate common spreadsheet tasks as well as create the sophisticated management science applications needed in

business today. The first half of the book introduces readers to the fundamentals of VBA for Excel. The second half of the book puts knowledge into action as it illustrates how to automate a number of management science models using VBA. Students learn to develop clean code and user-friendly interfaces for inputs and results. A new section familiarizes readers with PowerPivot and the new Excel Data Model. Novices as well as more experienced professionals will find the skills and background they need to maximize their VBA skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Decision Support Systems Oldenbourg Industrieverlag As the most comprehensive reference work dealing with decision support systems (DSS), this book is essential for the library of every DSS practitioner, researcher, and educator. Written by an international array of DSS luminaries, it contains more than 70 chapters that approach decision support systems from a wide variety of perspectives. These range from classic foundations to cutting-edge thought, informative to provocative, theoretical to practical, historical to futuristic, human to technological, and

operational to strategic. The chapters are conveniently organized into ten major sections that novices and experts alike will refer to for years to come.

Using Access, VB.NET and ASP.NET iUniverse For MIS specialists and nonspecialists alike, a comprehensive, readable, understandable guide to the concepts and applications of decision support systems. **Excel Basics to Blackbelt** CRC Press

This work on strategic decision making focuses on multi-objective decision analysis with spreadsheets

Recent Developments in Decision Support Systems IOS Press

This report provides an overview of today s water problems around the world, develops a picture of the international water sector structure and explores the challenges to the public and private sectors. It then describes in detail the impact of private sector participation in all the continents of the world, provides the development of the KB-DSS step-by-step and applies the model to the special cases of a Western European country (Portugal) and an African archipelago (Cape Verde)."

Handbook on Decision Support Systems 1 BoD –

Books on Demand
Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

Achievements and Challenges for the New Decade
Cambridge University Press
This book fills a void for a balanced approach to spreadsheet-based decision modeling. In addition to using spreadsheets as a tool to quickly set up and solve decision models, the authors show how and why the methods work and combine the user's power to logically model and analyze diverse decision-making scenarios with software-based solutions. The book discusses the fundamental

concepts, assumptions and limitations behind each decision modeling technique, shows how each decision model works, and illustrates the real-world usefulness of each technique with many applications from both profit and nonprofit organizations. The authors provide an introduction to managerial decision modeling, linear programming models, modeling applications and sensitivity analysis, transportation, assignment and network models, integer, goal, and nonlinear programming models, project management, decision theory, queuing models, simulation modeling forecasting models and inventory control models. The additional material files Chapter 12 Excel files for each chapter Excel modules for Windows Excel modules for Mac 4th edition errata can be found at https://www.degruyter.com/view/product/486941
A Knowledge-based Approach Business Expert Press
Today many organizations face challenges when developing a realistic plan or schedule that provides the best possible balance between customer service and revenue goals. Optimization technology has long been used to find the best solutions to complex planning and scheduling

problems. A decision-support environment that enables the flexible exploration of all the trade-offs and sensitivities needs to provide the following capabilities: Flexibility to develop and compare realistic planning and scheduling scenarios Quality sensitivity analysis and explanations Collaborative planning and scenario sharing Decision recommendations This IBM® Redbooks® publication introduces you to the IBM ILOG® Optimization Decision Manager (ODM) Enterprise. This decision-support application provides the capabilities you need to take full advantage of optimization technology. Applications built with IBM ILOG ODM Enterprise can help users create, compare, and understand planning or scheduling scenarios. They can also adjust any of the model inputs or goals, and fully understanding the binding constraints, trade-offs, sensitivities, and business options. This book enables business analysts, architects, and administrators to design and use their own operational decision management solution.
Symposium proceedings - XVI International symposium

Symorg 2018 Greenwood Publishing Group

A decision support system (DSS) is an intelligent information system that uses data, models it, processes or analyzes it using problem-specific methodologies, and assists the user in the decision-making process through a graphical user interface (GUI). Developing Spreadsheet-Based Decision Support Systems is a comprehensive book that describes how to build decision support systems using the Excel spreadsheet framework and the VBA programming language. This book illustrates complete decision support development applications through several case studies arising in operations research, industrial engineering, management, and business administration. *Principles and Practices* West Group

In recent years, much work has been done in formulating and clarifying the concept of sustainable development and related theoretical and research issues. Now, the challenge has shifted to designing and stimulating processes of effective planning and decision-making, at all levels of human activity, in such a way as to achieve local and global sustainable development. Information technology can help a great deal in achieving sustainable development by providing well-designed and useful tools for decision makers. One such tool is the decision support system, or DSS. This book explores the area of DSS in the context of sustainable development. As DSS is a very new technique, especially in the developing world, this book will serve as a reference text, primarily for managers, government officials, and information professionals in developing countries. It covers the concept of sustainable development, defines DSS and how it can be used in the planning and management of sustainable development, and examines the state of the art in DSS use. Other interested readers will include students, teachers, and analysts in information sciences; DSS designers, developers, and implementors; and international development agencies.