

Decision Support System

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graph TD; A[Decision Support System] --> B[Model Management System]; A --> C[User Interface]; A --> D[Knowledge Base];
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System

User
Interface

Knowledge
Base

Decision Support Systems A Knowledge Based Approach

Rosina Ehmman



Decision Support Systems A Knowledge Based Approach:

Decision Support Systems C. W. Holsapple, Andrew B. Whinston, 1996 **Decision Support Systems** Clyde W. Holsapple, Andrew B. Whinston, 1996-01-01 **Handbook on Decision Support Systems 1** Frada Burstein, Clyde W. Holsapple, 2008-01-22 Decision support systems have experienced a marked increase in attention and importance over the past 25 years The aim of this book is to survey the decision support system DSS field covering both developed territory and emergent frontiers It will give the reader a clear understanding of fundamental DSS concepts methods technologies trends and issues It will serve as a basic reference work for DSS research practice and instruction To achieve these goals the book has been designed according to a ten part structure divided in two volumes with chapters authored by well known well versed scholars and practitioners from the DSS community **Decision Support Systems** Clyde W. Holsapple, 2001

Knowledge-Based Intelligent Information and Engineering Systems Vasile Palade, 2003-10-25 During recent decades we have witnessed not only the introduction of automation into the work environment but we have also seen a dramatic change in how automation has influenced the conditions of work While some 30 years ago the addition of a computer was considered only for routine and boring tasks in support of humans the balance has dramatically shifted to the computer being able to perform almost any task the human is willing to delegate The very fast pace of change in processor and information technology has been the main driving force behind this development Advances in automation and especially Artificial Intelligence AI have enabled the formation of a rather unique team with human and electronic members The team is still supervised by the human with the machine as a subordinate associate or assistant sharing responsibility authority and autonomy over many tasks The requirement for teaming human and machine in a highly dynamic and unpredictable task environment has led to impressive achievements in many supporting technologies These include methods for system analysis design and engineering and in particular for information processing for cognitive and complex knowledge 1 engineering

Manufacturing Decision Support Systems H. R. Parsaei, S.S. Kolli, Thomas R. Hanley, 1997 This book provides a forum for research and applications dealing with the design the development and the implementation of decision support systems in the manufacturing domain The book brings together contributions from leading experts in the field It will appeal to all those concerned with decision support for manufacturing **Decision Support Systems** Ger Devlin, 2010-03-01 This book by In Tech publishing helps the reader understand the power of informed decision making by covering a broad range of DSS Decision Support Systems applications in the fields of medical environmental transport and business The expertise of the chapter writers spans an equally extensive spectrum of researchers from around the globe including universities in Canada Mexico Brazil and the United States to institutes and universities in Italy Germany Poland France United Kingdom Romania Turkey and Ireland to as far east as Malaysia and Singapore and as far north as Finland Decision Support Systems are not a new technology but they have evolved and developed with the ever demanding necessity to analyse a large number of options

for decision makers DM for specific situations where there is an increasing level of uncertainty about the problem at hand and where there is a high impact relative to the correct decisions to be made DSS s offer decision makers a more stable solution to solving the semi structured and unstructured problem This is exactly what the reader will see in this book

Intelligent Decision Making: An AI-Based Approach Gloria Phillips-Wren,Nikhil Ichalkaranje,2008-03-04 Intelligent Decision Support Systems have the potential to transform human decision making by combining research in artificial intelligence information technology and systems engineering The field of intelligent decision making is expanding rapidly due in part to advances in artificial intelligence and network centric environments that can deliver the technology Communication and coordination between dispersed systems can deliver just in time information real time processing collaborative environments and globally up to date information to a human decision maker At the same time artificial intelligence techniques have demonstrated that they have matured sufficiently to provide computational assistance to humans in practical applications This book includes contributions from leading researchers in the field beginning with the foundations of human decision making and the complexity of the human cognitive system Researchers contrast human and artificial intelligence survey computational intelligence present pragmatic systems and discuss future trends This book will be an invaluable resource to anyone interested in the current state of knowledge and key research gaps in the rapidly developing field of intelligent decision support *Decision Support Systems and Intelligent Systems* Efraim Turban,Jay E. Aronson,Ting-Peng Liang,2005 Appropriate for all courses in Decision Support Systems DSS computerized decision making tools and management support systems Todays networked computer systems enable executives to use information in radically new ways to make dramatically more effective decisions and make those decisions more rapidly Decision Support Systems and Intelligent Systems Seventh Edition is a comprehensive up to date guide to todays revolutionary management support system technologies and how they can be used for better decision making In this thoroughly revised edition the authors go far beyond traditional decision support systems focusing far more coverage on Web enabled tools performance analysis knowledge management and other recent innovations The authors introduce each significant new technology show how it works and offer practical guidance on integrating it into real world organizations Examples products services and exercises are presented throughout and the text has been revised for improved clarity and readability New and enhanced coverage includes state of the art data mining OLAP expert system and neural network software revamped coverage of knowledge management and a far greater emphasis on the use of Web technologies throughout Also covered in detail data warehousing including access analysis visualization modeling and support This edition also contains DSS In Action boxes presenting real business scenarios for the use of advanced management support technology Decision Support Systems and Intelligent Systems Seventh Edition is supported by a Web site containing additional readings relevant links and other supplements **Handbook on Decision Support Systems 2** Frada Burstein,Clyde W. Holsapple,2008-01-22 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 *Knowledge-based Management Support Systems* Georgios I. Doukidis,1989 **Decision Support Systems for Sustainable Development** Gregory E. Kersten,Zbigniew Mikolajuk,Anthony Gar-On Yeh,2006-03-01 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

DECISION SUPPORT SYSTEMS: THE INTERNATIONAL JOURNAL ,1998 **Decision Support Systems** Ralph H. Sprague (Jr.),Hugh J. Watson,1989 The conceptual foundation for DSS Developing and using DSS The architecture for DSS Creating the DSS environment The evolving DSS domain DSS application DSS bibliography Index *Decision Support Systems* Vicki L. Sauter,1997 The focus of Decision Support Systems is on how one can should use what has been learned in programming modeling courses to develop systems that provide decision support Pages on the World Wide Web will be available to support this book *Decision Support Systems Research and Reference Disciplines, 1970-2001* Sean B. Eom,2003 This is a research guide and bibliography with citation frequency on the decision support systems research area and its references disciplines It contains only references that have been cited frequently by more than several thousand authors of decision support systems articles published in a set of carefully selected journals according to objective criteria set forth in a data chapter Each item in the bibliography of the book contains the citation frequency representing its weight and degree of influence on the decision support systems research Each item represents objective and unobtrusive judgment of all the authors of major articles published in more than 140 information systems journals during 1970 2001 It will be a useful research guide to the DSS literature *Decision Support Systems and Electronic Commerce* ,2003-04 *Systems and*

Control Encyclopedia Supplementary Volume 1 M.G. Singh,1990 A compendium of systems ideas methods and applications that emphasizes on the role of computers Knowledge-based Intelligent Information and Engineering Systems ,2005

Decision Support Systems and Intelligent Systems Efraim Turban,Jay E. Aronson,1998 B This book is widely known for its comprehensive treatment of decision support theory and how it is applied Through four editions this book has defined the course and set the standard for up to date coverage of the latest decision support theories and practices by managers and organizations This fifth edition has been streamlined and updated throughout to reflect new computing technologies Chapter 9 has been completely rewritten to focus on the Internet and Intranet The reader will find expanded coverage of data warehousing data mining on line analytical processes and an entirely new chapter on intelligent agents Ch 19 Internet related topics and links to Internet exercises and cases appear throughout the new edition

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