



Developing Spreadsheet-Based Decision Support Systems

By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston

Download now

Read Online →

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston

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). This is a comprehensive book that describes how to build decision support systems using the Excel spreadsheet framework and the VBA programming language. Risk Solver Platform for Education, an Excel Add-In, is used for optimization and simulation. This book illustrates complete decision support development applications through several case studies arising in operations research, industrial engineering, management, and business administration.

Changes in the 2nd Edition

Part I - This book features Excel 2010. In Chapter 2 we give an overview of the Ribbon, Quick Access Toolbar and File Menu tab which is a new addition to Excel's interface. In this Chapter we also discuss the new conditional formatting features of Excel. In Chapter 3 we discuss the new and improved charting interface of Excel and introduce Sparklines. In Chapter 4 we discuss some of the improvements made on Excel's function library. In Chapter 6 we present some of the improved capabilities for working with pivot tables and introduce Slicers. In Chapters 8 and 9 we use Risk Solver Platform for Education to model and solve optimization and simulation problems. In Chapter 10 we present the new Official Excel Table tools and discuss its capabilities to organize and manipulate data.

Part II - In Chapters 19 and 20 we discuss how to use Object Oriented API with Risk Solver Platform to modify and solve optimization and simulation models using VBA commands.

Part III - A number of the case studies (such as, Birthday Simulation, Portfolio Management and Optimization, Single and Multi-Server Queuing Simulation, etc.), are updated to use Risk Solver Platform for optimization and simulation.

 [Download Developing Spreadsheet-Based Decision Support Syst ...pdf](#)

 [Read Online Developing Spreadsheet-Based Decision Support Sy ...pdf](#)

Developing Spreadsheet-Based Decision Support Systems

By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston

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). This is a comprehensive book that describes how to build decision support systems using the Excel spreadsheet framework and the VBA programming language. Risk Solver Platform for Education, an Excel Add-In, is used for optimization and simulation. This book illustrates complete decision support development applications through several case studies arising in operations research, industrial engineering, management, and business administration.

Changes in the 2nd Edition

Part I - This book features Excel 2010. In Chapter 2 we give an overview of the Ribbon, Quick Access Toolbar and File Menu tab which is a new addition to Excel's interface. In this Chapter we also discuss the new conditional formatting features of Excel. In Chapter 3 we discuss the new and improved charting interface of Excel and introduce Sparklines. In Chapter 4 we discuss some of the improvements made on Excel's function library. In Chapter 6 we present some of the improved capabilities for working with pivot tables and introduce Slicers. In Chapters 8 and 9 we use Risk Solver Platform for Education to model and solve optimization and simulation problems. In Chapter 10 we present the new Official Excel Table tools and discuss its capabilities to organize and manipulate data.

Part II - In Chapters 19 and 20 we discuss how to use Object Oriented API with Risk Solver Platform to modify and solve optimization and simulation models using VBA commands.

Part III - A number of the case studies (such as, Birthday Simulation, Portfolio Management and Optimization, Single and Multi-Server Queuing Simulation, etc.), are updated to use Risk Solver Platform for optimization and simulation.

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston **Bibliography**

- Sales Rank: #974976 in Books
- Published on: 2011
- Number of items: 1
- Binding: Hardcover

 [Download Developing Spreadsheet-Based Decision Support Syst ...pdf](#)

 [Read Online Developing Spreadsheet-Based Decision Support Sy ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Jake Harris:

The ability that you get from Developing Spreadsheet-Based Decision Support Systems is the more deep you digging the information that hide within the words the more you get enthusiastic about reading it. It does not mean that this book is hard to know but Developing Spreadsheet-Based Decision Support Systems giving you thrill feeling of reading. The article author conveys their point in specific way that can be understood by means of anyone who read that because the author of this publication is well-known enough. This kind of book also makes your vocabulary increase well. That makes it easy to understand then can go together with you, both in printed or e-book style are available. We recommend you for having this particular Developing Spreadsheet-Based Decision Support Systems instantly.

Della McDonald:

The book with title Developing Spreadsheet-Based Decision Support Systems possesses a lot of information that you can find out it. You can get a lot of gain after read this book. This kind of book exist new expertise the information that exist in this guide represented the condition of the world right now. That is important to yo7u to learn how the improvement of the world. This specific book will bring you within new era of the the positive effect. You can read the e-book in your smart phone, so you can read that anywhere you want.

Terry Hollis:

Playing with family in a park, coming to see the sea world or hanging out with good friends is thing that usually you may have done when you have spare time, in that case why you don't try factor that really opposite from that. One particular activity that make you not sensation tired but still relaxing, trilling like on roller coaster you have been ride on and with addition of information. Even you love Developing Spreadsheet-Based Decision Support Systems, you can enjoy both. It is excellent combination right, you still wish to miss it? What kind of hang type is it? Oh can occur its mind hangout men. What? Still don't get it, oh come on its identified as reading friends.

Alicia Romero:

Are you kind of hectic person, only have 10 or maybe 15 minute in your moment to upgrading your mind skill or thinking skill possibly analytical thinking? Then you have problem with the book as compared to can satisfy your short period of time to read it because all of this time you only find book that need more time to be read. Developing Spreadsheet-Based Decision Support Systems can be your answer mainly because it can

be read by an individual who have those short time problems.

Download and Read Online Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston #JZOT9CIFAN7

Read Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston for online ebook

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston books to read online.

Online Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston ebook PDF download

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston Doc

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston Mobipocket

Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston EPub

JZOT9CIFAN7: Developing Spreadsheet-Based Decision Support Systems By Sandra D. Eksioglu, Michelle M.H. Seref, Ravindra K. Ahuja, Wayne L. Winston