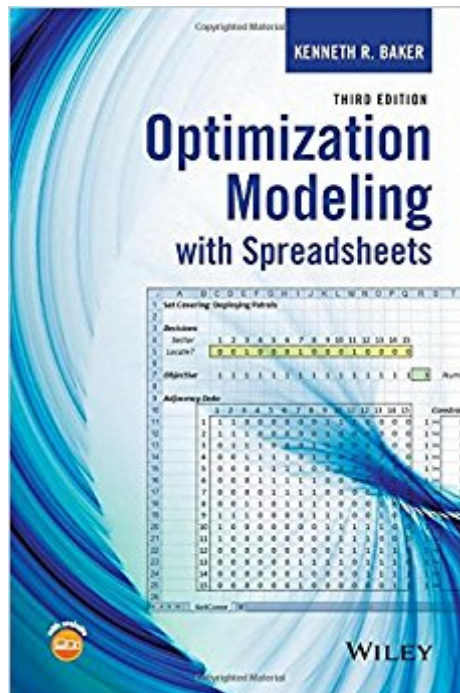




The book was found

Optimization Modeling With Spreadsheets



Synopsis

An accessible introduction to optimization analysis using spreadsheets Updated and revised, *Optimization Modeling with Spreadsheets*, Third Edition emphasizes model building skills in optimization analysis. By emphasizing both spreadsheet modeling and optimization tools in the freely available Microsoft® Office Excel® Solver, the book illustrates how to find solutions to real-world optimization problems without needing additional specialized software. The Third Edition includes many practical applications of optimization models as well as a systematic framework that illuminates the common structures found in many successful models. With focused coverage on linear programming, nonlinear programming, integer programming, and heuristic programming, *Optimization Modeling with Spreadsheets*, Third Edition features:

- An emphasis on model building using Excel Solver as well as appendices with additional instructions on more advanced packages such as Analytic Solver Platform and OpenSolver
- Additional space devoted to formulation principles and model building as opposed to algorithms
- New end-of-chapter homework exercises specifically for novice model builders
- Presentation of the Sensitivity Toolkit for sensitivity analysis with Excel Solver
- Classification of problem types to help readers see the broader possibilities for application
- Specific chapters devoted to network models and data envelopment analysis
- A companion website with interactive spreadsheets and supplementary homework exercises for additional practice

Optimization Modeling with Spreadsheets, Third Edition is an excellent textbook for upper-undergraduate and graduate-level courses that include deterministic models, optimization, spreadsheet modeling, quantitative methods, engineering management, engineering modeling, operations research, and management science. The book is an ideal reference for readers wishing to advance their knowledge of Excel and modeling and is also a useful guide for MBA students and modeling practitioners in business and non-profit sectors interested in spreadsheet optimization.

Book Information

Hardcover: 392 pages

Publisher: Wiley; 3 edition (July 20, 2015)

Language: English

ISBN-10: 1118937694

ISBN-13: 978-1118937693

Product Dimensions: 6.3 x 0.9 x 9.4 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 4 customer reviews

Best Sellers Rank: #100,241 in Books (See Top 100 in Books) #64 in Books > Textbooks > Engineering > Industrial Engineering #111 in Books > Business & Money > Management & Leadership > Management Science #116 in Books > Computers & Technology > Business Technology > Software > Spreadsheets

Customer Reviews

An accessible introduction to optimization analysis using spreadsheets Updated and revised, Optimization Modeling with Spreadsheets, Third Edition emphasizes model-building skills in optimization analysis. By emphasizing both spreadsheet modeling and optimization tools in the freely available Microsoft® Office Excel® Solver, the book illustrates how to find solutions to real-world optimization problems without needing additional specialized software. The Third Edition includes many practical applications of optimization models as well as a systematic framework that illuminates the common structures found in many successful models. With focused coverage on linear programming, nonlinear programming, integer programming, and heuristic programming, Optimization Modeling with Spreadsheets, Third Edition features: An emphasis on model building using Excel Solver as well as an appendix with additional instructions on more advanced packages such as Analytic Solver Platform and OpenSolver Additional space devoted to formulation principles and model building as opposed to algorithms New end-of-chapter homework exercises specifically for novice model builders Presentation of the Sensitivity Toolkit for sensitivity analysis with Excel Solver Classification of problem types to help readers see the broader possibilities for application Specific chapters devoted to network models and data envelopment analysis A companion website with interactive spreadsheets and supplementary homework exercises for additional practice Optimization Modeling with Spreadsheets, Third Edition is an excellent textbook for upper-undergraduate and graduate-level courses that include deterministic models, optimization, spreadsheet modeling, quantitative methods, engineering management, engineering modeling, operations research, and management science. The book is an ideal reference for readers wishing to advance their knowledge of Excel and modeling and is also a useful guide for MBA students and modeling practitioners in business and non-profit sectors interested in spreadsheet optimization. Kenneth R. Baker, PhD, is Nathaniel Leverone Professor of Management at the Tuck School of Business and Adjunct Professor of Engineering at Dartmouth College. A Fellow of the Institute for Operations Research and the Management Sciences (INFORMS), Dr. Baker has published extensively in his areas of research interest, which include mathematical modeling, spreadsheet engineering, and scheduling. He is also coauthor of Principles

of Sequencing and Scheduling and Management Science: The Art of Modeling with Spreadsheets, Fourth Edition, both published by Wiley.

Kenneth R. Baker, PhD, is Nathaniel Leverone Professor of Management at the Tuck School of Business and Adjunct Professor of Engineering at Dartmouth College. A Fellow of the Institute for Operations Research and the Management Sciences (INFORMS), Dr. Baker has published extensively in his areas of research interest, which include mathematical modeling, spreadsheet engineering, and scheduling. He is also coauthor of Principles of Sequencing and Scheduling and Management Science: The Art of Modeling with Spreadsheets, Fourth Edition, both published by Wiley.

Really great practical text. I wish there was more use of Heuristics though.

Good resource for my graduate class. Followed my professor's models well.

Has anyone found an answer key to the exercises? Learning a lot from this book.

Excelent book, very practical approach.

[Download to continue reading...](#)

Optimization Modeling with Spreadsheets Engineering Design Optimization using Calculus Level Methods: A Casebook Approach: Math Modeling, Simulation, & Optimization Pyomo Æøâ Ñâ ø Optimization Modeling in Python (Springer Optimization and Its Applications) Managerial Decision Modeling with Spreadsheets (3rd Edition) Introduction to Management Science with Student CD and Risk Solver Platform Access Card: A Modeling and Cases Studies Approach with Spreadsheets Business Analytics: The Art of Modeling With Spreadsheets, 5th Edition The Little Book on Digital Marketing SEO - Search Engine Optimization: Tips and tricks for keyword research in SEO or Search Engine Optimization Introduction to Linear Optimization (Athena Scientific Series in Optimization and Neural Computation, 6) Business Plan Template: Complete Fill in the Blanks Sample Business Plan Proposal (With MS Word Version, Excel Spreadsheets, and 7 Free Gifts) (Starting A Business Book 2) Constructing, Using, and Interpreting Spreadsheets (Digital & Information Literacy (Paper)) Introduction to Spreadsheets Excel 97 (Software Guides) Spreadsheets: Using Microsoft Excel 97 or Microsoft Office 97 (Software Guides) Strategic Decision Making: Multiobjective Decision Analysis with Spreadsheets The Model's Bible & Global Modeling

Agency Contact List - An Insider's Guide on How to Break into the Fashion Modeling Industry
Modeling Agency Tips: Get Listed with Fashion Modeling Agencies and Find Your Dream Job 3ds
Max Modeling for Games: Insider's Guide to Game Character, Vehicle, and Environment Modeling:
Volume I Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB[®] and Simulink[®] (Modeling and Simulation in Science, Engineering and Technology) Introduction
to the Numerical Modeling of Groundwater and Geothermal Systems: Fundamentals of Mass,
Energy and Solute Transport in Poroelastic Rocks (Multiphysics Modeling) Modeling Dynamic
Biological Systems (Modeling Dynamic Systems) Dynamic Modeling in the Health Sciences
(Modeling Dynamic Systems)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)