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Operations Research: An Introduction (9th Edition)



Synopsis

Operations Research: An Introduction, 9/e is ideal for or junior/senior undergraduate and first-year graduate courses in Operations Research in departments of Industrial Engineering, Business Administration, Statistics, Computer Science, and Mathematics. This text streamlines the coverage of the theory, applications, and computations of operations research. Numerical examples are effectively used to explain complex mathematical concepts. A separate chapter of fully analyzed applications aptly demonstrates the diverse use of OR. The popular commercial and tutorial software AMPL, Excel, Excel Solver, and Tora are used throughout the book to solve practical problems and to test theoretical concepts.

Book Information

Hardcover: 832 pages

Publisher: Pearson; 9 edition (September 8, 2010)

Language: English

ISBN-10: 013255593X

ISBN-13: 978-0132555937

Product Dimensions: 7.2 x 1.3 x 9.2 inches

Shipping Weight: 2.6 pounds

Average Customer Review: 4.1 out of 5 stars 38 customer reviews

Best Sellers Rank: #234,618 in Books (See Top 100 in Books) #35 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Production, Operation & Management #131 in Books > Business & Money > Processes & Infrastructure > Operations Research #7163 in Books > Textbooks > Business & Finance

Customer Reviews

“Dr. Taha is an excellent author and presents materials in his book very well in terms of readability and clarity. The topics within every chapter are presented in a cohesive and logical manner.”
-M. Jeya Chandra, PENN STATE UNIVERSITY
“The book is very clear and readable. Figures do a good job of illustrating Dr. Taha’s points. It is very useful to have the Solver & TORA output shown in the chapter with discussion of how to interpret results.”
-Marc E. Posner, THE OHIO STATE UNIVERSITY

Hamdy A. Taha is a University Professor Emeritus of Industrial Engineering with the University of Arkansas, where he taught and conducted research in operations research and simulation. He

is the author of three other books on integer programming and simulation, and his works have been translated to numerous languages. He is also the author of several book chapters, and his technical articles have appeared in European Journal of Operations Research, IEEE Transactions on Reliability, IIE Transactions, Interfaces, Management Science, Naval Research Logistics Quarterly, Operations Research, and Simulation. Professor Taha was the recipient of the Alumni Award for excellence in research and the university-wide Nadine Baum Award for excellence in teaching, both from the University of Arkansas, and numerous other research and teaching awards from the College of Engineering, University of Arkansas. He was also named a Senior Fulbright Scholar to Carlos III University, Madrid, Spain. He is fluent in three languages and has held teaching and consulting positions in Europe, Mexico, and the Middle East.

I do not use Operations Research (OR) often; this is the reason why when I do, it is important that the book I use is clear, detailed in its explanations and provides numerous examples. This allows me to "relearn" the methods and correct applications of the methods for my work. I am a project manager and engineer for municipal type work, I primarily use OR for preliminary assessments and feasibility studies to provide other managers and elected officials with the most likely successful or optimal solution and justification of my recommendations. This book is fairly good in explaining the applicability of the methods and the proper procedures in detail. OR should be used more often by managers, most of the managers I have worked with do not use any form of statistical, probabilistic or numerical methods to determine optimal solutions. I recommend this book for general use, I am not certain how it would do in a heavy scientific research environment but for most practical purposes it seems to be quite useful.

This is an excellent textbook with clear and comprehensive explanations. TORA is a very effective supplemental learning tool that require minimal application training to start using. The material is presented using clear examples. The organization of the textbook is good, but can be further enhanced by moving all problems to the end of each chapter (instead of the end of each section of a chapter). Nevertheless, this is a very valuable book and a great introduction to OR.

very useful for my class. clear to understand and follow.

Nice

The book is clear and easy to understand. Very few sections where it will skip a step. Even after finishing the class, the real world uses for the contents of the book will ensure that it stays in my library.

The 9th Edition by Taha is good at showing it's students great step by step instructions on how to solve the problems introduced. The topic matter is straight foward, but hopefully your professor will provide clear examples and structure your class to focus on the key concepts. Along with good instruction, this book will provide great help in solidfying what you need to learn.

Was like a new book. Without anything written inside.

A++ Seller Product as described and arrived quickly. Thanks.

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