

Wayne L Winston Operations Research

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Operations Research

Applications and Algorithms *Brooks/Cole*

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Operations Research

Applications and Algorithms *Brooks/Cole*

This book is intended to be used as an advanced beginning or an intermediate text in operations research, management science, or mathematical programming.

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Applications and Algorithms *Duxbury Resource Center*

Student Solutions Manual for Operations Research

Applications and Algorithms *Duxbury Press*

The Student Solutions Manual contains solutions to selected problems in the book.

Introduction to Probability Models *Duxbury Press*

The Student Solutions Manual includes solutions to selected problems in the book.

Solutions Manual: Operations Research

Applications and Algorithms, Third Edition : Introduction to Mathematical Programming : Applications and Algorithms, Second Edition *Brooks/Cole Publishing Company*

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Introduction to Mathematical Programming

Applications and Algorithms *Duxbury Resource Center*

CD-ROM contains LINDO 6.1, LINGO 7.0, NeuralWorks Predict, Premium Solver for Education and examples files.

Operations Research : Applications and Algorithms

An introduction to model building; Basic linear algebra; Introduction to linear programming; The simplex algorithm and goal programming; Sensitivity analysis: an applied approach; Sensitivity analysis and duality; Transportation, assignment, and transshipment problems; Network models; Integer programming; Advanced topics in linear programming; Nonlinear programming; Review of calculus and probality; Decision making under uncertainty; Game theory; Deterministic EOQ inventory models; Probabilistic EOQ inventory models; Makov Chains; Deterministic dynamic programming; Probabilistic dynamic programming; Queuing theory; Simulation; Simulation with process model; Spreadheet simulation with the excel add-in@risk; Forecasting models.

Student Solutions Manual for Winston and Venkataramanan's Introduction to Mathematical Programming, Fourth Edition *Duxbury Press*

The student solutions manual provides worked out solutions to 1/3 of the problems in the text.

Operations Research

Applications and Algorithms *Duxbury Press*

Introduction to Probability Models

Operations Research. Volume 2 *Duxbury Press*

Vol. 2: CD-ROM contains student editions of: ProcessModel, LINGO, Premium Solver, DecisionTools Suite including @RISK AND RISKOptimizer, Data files.

Simulation Modeling Using @Risk: Software

Analytics Stories

Using Data to Make Good Things Happen *John Wiley & Sons*

Inform your own analyses by seeing how one of the best data analysts in the world approaches analytics problems Analytics Stories: How to Make Good Things Happen is a thoughtful, incisive, and entertaining exploration of the application of analytics to real-world problems and situations. Covering fields as diverse as sports, finance, politics, healthcare, and business, Analytics Stories bridges the gap between the oft inscrutable world of data analytics and the concrete problems it solves. Distinguished professor and author Wayne L. Winston answers questions like: Was Liverpool over Barcelona the greatest upset in sports history? Was Derek Jeter a great infielder What's wrong with the NFL QB rating? How did Madoff keep his fund going? Does a mutual fund's past performance predict future performance? What caused the Crash of 2008? Can we predict where crimes are likely to occur? Is the lot of the American worker improving? How can analytics save the US Republic? The birth of evidence-based medicine: How did James Lind know citrus fruits cured scurvy? How can I objectively compare hospitals? How can we predict heart attacks in real time? How does a retail store know if you're pregnant? How can I use A/B testing to improve sales from my website? How can analytics help me write a hit song? Perfect for anyone with the word "analyst" in their job title, Analytics Stories illuminates the process of applying analytic principles to practical problems and highlights the potential pitfalls that await careless analysts.

Microsoft Excel 2013 Data Analysis and Business Modeling

Data Analysis and Business Modeling *Pearson Education*

Master business modeling and analysis techniques with Microsoft Excel 2013, and transform data into bottom-line results. Written by award-winning educator Wayne Winston, this hands-on, scenario-focused guide shows you how to use the latest Excel tools to integrate data from multiple tables—and how to effectively build a relational data source inside an Excel workbook. Solve real business problems with Excel—and sharpen your edge Summarize data with PivotTables and Descriptive Statistics Explore new trends in predictive and prescriptive analytics Use Excel Trend Curves, multiple regression, and exponential smoothing Master advanced Excel functions such as OFFSET and INDIRECT Delve into key financial, statistical, and time functions Make your charts more effective with the Power View tool Tame complex optimization problems with Excel Solver Run Monte Carlo simulations on stock prices and bidding models Apply important modeling tools such as the Inquire add-in

Operations Research *Duxbury Press*

Vol. 2: CD-ROM contains student editions of: ProcessModel, LINGO, Premium Solver, DecisionTools Suite including @RISK AND RISKOptimizer, Data files.

Business Analytics: Data Analysis & Decision Making *Cengage Learning*

Master data analysis, modeling, and spreadsheet use with BUSINESS ANALYTICS: DATA ANALYSIS AND DECISION MAKING, 6E! Popular with students, instructors, and practitioners, this quantitative methods text delivers the tools to succeed with its proven teach-by-example approach, user-friendly writing style, and complete Excel 2016 integration. It is also compatible with Excel 2013, 2010, and 2007. Completely rewritten, Chapter 17, Data Mining, and Chapter 18, Importing Data into Excel, include increased emphasis on the tools commonly included under the Business Analytics umbrella - - including Microsoft Excel's "Power BI" suite. In addition, up-to-date problem sets and cases provide realistic examples to show the relevance of the material. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mathletics

How Gamblers, Managers, and Sports Enthusiasts Use Mathematics in Baseball, Basketball, and Football *Princeton University Press*

How math can be used to improve performance and predict outcomes in professional sports Mathletics is a remarkably entertaining book that shows readers how to use simple mathematics to analyze a range of statistical and probability-related questions in professional baseball, basketball, and football, and in sports gambling. How does professional baseball evaluate hitters? Is a singles hitter like Wade Boggs more valuable than a power hitter like David Ortiz? Should NFL teams pass or run more often on first downs? Could professional basketball have used statistics to expose the crooked referee Tim Donaghy? Does money buy performance in professional sports? In Mathletics, Wayne Winston describes the mathematical methods that top coaches and managers use to evaluate players and improve team performance, and gives math enthusiasts the practical tools they need to enhance their understanding and enjoyment of their favorite sports—and maybe even gain the outside edge to winning bets. Mathletics blends fun math problems with sports stories of actual games, teams, and players, along with personal anecdotes from Winston's work as a sports consultant. Winston uses easy-to-read tables and illustrations to illuminate the techniques and ideas he presents, and all the necessary math concepts—such as arithmetic, basic statistics and probability, and Monte Carlo simulations—are fully explained in the examples. After reading Mathletics, you will understand why baseball teams should almost never bunt, why football overtime systems are unfair, why points, rebounds, and assists aren't enough to determine who's the NBA's best player—and much, much more. In a new epilogue, Winston discusses the stats and numerical analysis behind some recent sporting events, such as how the Dallas Mavericks used analytics to become the 2011 NBA champions.

Marketing Analytics

Data-Driven Techniques with Microsoft Excel *John Wiley & Sons*

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Student's Guide to Operations Research

Optimization in Operations Research *Prentice Hall*

For first courses in operations research, operations management Optimization in Operations Research, Second Edition covers a broad range of optimization techniques, including linear programming, network flows, integer/combinational optimization, and nonlinear programming. This dynamic text emphasizes the importance of modeling and problem formulation andhow to apply algorithms to real-world problems to arrive at optimal solutions. Use a program that presents a better teaching and learning experience-for you and your students. Prepare students for real-world problems: Students learn how to apply algorithms to problems that get them ready for their field. Use strong pedagogy tools to teach: Key concepts are easy to follow with the text's clear and continually reinforced learning path. Enjoy the text's flexibility: The text features varying amounts of coverage, so that instructors can choose how in-depth they want to go into different topics.

Numbers & Mathematics

Decision Making Under Uncertainty with RISKOptimizer

A Step-by-step Guide with Microsoft Excel and Palisade's RISKOptimizer Software

Introduction to Mathematical Programming

Applications and Algorithms *Duxbury Press*

Spreadsheet Modeling and Applications

Essentials of Practical Management Science *Cengage Learning*

Practical Management Science, Revised *Cengage Learning*

Easy to understand and to the point--and without any jargon--PRACTICAL MANAGEMENT SCIENCE uses an active-learning approach and realistic problems to help you understand and take advantage of the power of spreadsheet modeling. With real examples and problems drawn from finance, marketing, and operations research, you'll easily come to see how management science applies to your chosen profession and how you can use it on the job. The authors emphasize modeling over algebraic formulations and memorization of particular models. The CD-ROMs packaged with every new book include the following useful add-ins: the Palisade Decision Tools Suite (@RISK, StatTools,

PrecisionTree, TopRank, and RISKOptimizer); Solver Table, which allows you to do sensitivity analysis; and Premium Solver for Education from Frontline Systems. All of these add-ins have been revised for Excel 2007. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Practical Management Science *Cengage Learning*

Take full advantage of the power of spreadsheet modeling with the guidance in PRACTICAL MANAGEMENT SCIENCE, 6E, geared entirely to Excel 2016. This edition integrates modeling into all functional areas of business -- finance, marketing, operations management -- using real examples and real data. The book emphasizes applied, relevant learning while presenting the right amount of theory to ensure readers gain a strong foundation. Exercises offer practical, hands-on experience working with the methodologies. The authors focus on modeling rather than algebraic formulations or memorization of particular models. This edition provides new and updated cases as well as a new chapter on data mining. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Data Analysis & Decision Making with Microsoft Excel *South-Western Pub*

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Introduction to Probability Models *Brooks/Cole Publishing Company*

This text, the second volume of Wayne Winston's successful OPERATIONS RESEARCH: APPLICATIONS AND ALGORITHMS, FOURTH EDITION, covers topics in Probability Models and addresses the substantial contribution of Probability Modeling in the last five years to the fields of financial engineering, computational simulation and manufacturing. The specific attention to probability models with the addition of recent practical breakthroughs makes this the first text to introduce these ideas together at an accessible level.

Mathletics

How Gamblers, Managers, and Fans Use Mathematics in Sports, Second Edition *Princeton University Press*

How to use math to improve performance and predict outcomes in professional sports Mathletics reveals the mathematical methods top coaches and managers use to evaluate players and improve team performance, and gives math enthusiasts the practical skills they need to enhance their understanding and enjoyment of their favorite sports—and maybe even gain the outside edge to winning bets. This second edition features new data, new players and teams, and new chapters on soccer, e-sports, golf, volleyball, gambling Calcuttas, analysis of camera data, Bayesian inference, ridge regression, and other statistical techniques. After reading Mathletics, you will understand why baseball teams should almost never bunt; why football overtime systems are unfair; why points, rebounds, and assists aren't enough to determine who's the NBA's best player; and more.

Spreadsheet Modeling and Applications

Essentials of Practical Management Science *South-Western Pub*

Chris Albright and Wayne Winston have brought their hallmark teach-by-example approach to the undergraduate spreadsheet modeling course. Renowned for their other successful texts in operations research/management science, Winston and Albright successfully show how spreadsheets are used in real life to model and analyze real business problems. By modeling problems using spreadsheets from the outset, SPREADSHEET MODELING AND APPLICATIONS prepares future managers for the types of problems they will encounter on the job. Real cases throughout the text further cement this book's status as the most relevant of its kind on the market. This text is also accompanied by Palisade Corporation's professional spreadsheet add-ins, DecisionTools Suite.

Operations Research

Mathematical Programming/introduction To Probability Models With Infotrac *Duxbury Press*

This special two-volume set of Operations Research contains both Introduction to Mathematical Programming and Introduction to Probability Models is available. With seven bonus chapters that appear only in this split-volume edition—plus a special set of two Student's Suite CD-ROMs (including software not available with the single-volume edition)—the two-volume set is the most comprehensive, complete version of Winston's best-selling text for the operations research course. Winston's books owe much of their success to a practical orientation and consistent emphasis on model formulation and model building. They move beyond a mere study of algorithms without

sacrificing the rigor that faculty desire. Wayne Winston and Munirpallam Venkataramanan's Volume One: Introduction to Mathematical Programming introduces students to the art and the science of deterministic modeling in operations research. Focusing on real-world applications and cases that integrate topics from across several chapters, Volume One is a practical introduction to spreadsheet modeling and the leading commercial software applications that accompany the book. Special bonus chapters include "Heuristic Techniques," "Solving Optimization Problems with the Evolutionary Solver," and "Neural Networks." Winston's Volume Two: Introduction to Probability Models provides a balanced introduction to fundamental concepts of probability modeling, and addresses their applications to financial engineering, computational simulation, and manufacturing. Special bonus chapters include "Spreadsheet Simulation and Optimization with RiskOptimizer®," "Option Pricing and Real Options," "Portfolio Risk, Optimization and Hedging," and "Brownian Motion, Stochastic Calculus, and Optimal Control." Wayne Winston is a respected author, award-winning teacher, accomplished consultant, and prodigious researcher. His current interest is in showing how spreadsheet models can be used to solve problems in all areas of busin

Operations Management For Dummies *John Wiley & Sons*

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Financial Models Using Simulation and Optimization

A Step-by-step Guide with Excel and Palisade's DecisionTools Software

Financial Models Using Simulation and Optimization is an informative hands-on book that shows you how to harness the power of Microsoft "RM" Excel "RM" and Palisade Corporation's Decision Tools "RM" add-ins -- including @RISK and Evolver -- to solve complicated financial problems. Learn innovative techniques and methods that will give you the edge in solving real-world financial problems. Topics and examples covered in the text include: -- Data Analysis in Excel for forecasting demand and estimating sales, using regression, data tables, optimization and pivot tables -- Optimization with Solver and Evolver for funding pension liabilities, portfolio optimization, fitting the yield curve, generating implied forward rates and immunization against interest rate risk -- Simulation with @RISK for analyzing new products, modeling acquisitions, evaluating Pro Forma Financial Statements and simulating the yield curve -- Simulation of Financial Derivatives using @RISK, including pricing exotic options, finding VAR for a portfolio, VAR and options pricing with correlated stocks, computing VAR for forwards and futures, valuing foreign exchange options and hedging risk, using Delta hedging and valuing real options -- Using Binomial Trees for pricing and finding VAR for an American option and valuing real options -- And Extras such as simulating the NCAA tournament, simulating KENO, analyzing the "birthday problem!" and learning how to link SOLVER and @RISK Examples in this book have been used in executive training classes at GM, NCR, Price Waterhouse Coopers, Bristol-Myers Squibb, and Eli Lilly. All files discussed in the book are included on a CD-ROM. The step-by-step and teach-by-example approach should make the book suitable for advanced undergraduates. MBAs and most of all practicing finance professionals for both self-study or education classes.

Management Science Modeling

Easy to understand and to the point, MANAGEMENT SCIENCE MODELING, 4th Edition, International Edition uses an active-learning approach and realistic problems to help you understand and take advantage of the power of spreadsheet modeling. With real examples and problems drawn from finance, marketing, and operations research, you will easily come to see how management science applies to your chosen profession and how you can use it on the job. The authors emphasize modeling over algebraic formulations and memorization of particular models. The essentials resource website, whose access is available with every new book, includes links to the following add-ins: the Palisade Decision Tools Suite (@RISK, StatTools, PrecisionTree, TopRank, RISKOptimizer, NeuralTools, and Evolver); and SolverTable, which allows you to do sensitivity analysis. All of these add-ins have been revised for Excel 2010.

Introduction to Operations Research

"Introduction to Operations Research is the worldwide gold standard for textbooks in operations research. This famous text, around since the early days of the field, has grown into a contemporary 21st century eleventh edition with the infusion of new state-of-the-art content."--

Practical Management Science

Spreadsheet Modeling and Applications