



## Simulation Modeling Using @RISK: Updated for Version 4

By Wayne L. Winston

Download now

Read Online 

**Simulation Modeling Using @RISK: Updated for Version 4** By Wayne L. Winston

With its understandable explanations of Monte Carlo and step-by-step instructions for Microsoft Excel, Lotus, and @Risk software, this text/software package offers both the instruction and the practice students need to begin solving complex business problems. It is designed for use as the primary learning tool in a short business simulation course (for advanced undergraduate and MBA students), or as a supplement to courses in investments, corporate finance, management science, marketing strategy, operations management, and actuarial science.

 [Download Simulation Modeling Using @RISK: Updated for Versi...pdf](#)

 [Read Online Simulation Modeling Using @RISK: Updated for Ver...pdf](#)

# Simulation Modeling Using @RISK: Updated for Version 4

*By Wayne L. Winston*

## **Simulation Modeling Using @RISK: Updated for Version 4** By Wayne L. Winston

With its understandable explanations of Monte Carlo and step-by-step instructions for Microsoft Excel, Lotus, and @Risk software, this text/software package offers both the instruction and the practice students need to begin solving complex business problems. It is designed for use as the primary learning tool in a short business simulation course (for advanced undergraduate and MBA students), or as a supplement to courses in investments, corporate finance, management science, marketing strategy, operations management, and actuarial science.

## **Simulation Modeling Using @RISK: Updated for Version 4** By Wayne L. Winston Bibliography

- Sales Rank: #1597715 in Books
- Published on: 2000-11-03
- Original language: English
- Number of items: 1
- Dimensions: 9.28" h x .52" w x 7.44" l, .94 pounds
- Binding: Paperback
- 226 pages

 [Download Simulation Modeling Using @RISK: Updated for Versi ...pdf](#)

 [Read Online Simulation Modeling Using @RISK: Updated for Ver ...pdf](#)

## **Editorial Review**

### Review

PREFACE 1. WHAT IS SIMULATION? Actual Applications of Simulation / What's Ahead? / Simulation Models Versus Analytic Models 2. RANDOM NUMBERS -- THE BUILDING BLOCKS OF SIMULATION PROBLEMS 3. USING SPREADSHEETS TO PERFORM SIMULATIONS Example 3.1: The Newsvendor Problem / Finding a Confidence Interval for Expected Profit / How Many Trials Do We Need? / Determination of the Optimal Order Quantity / Using Excel Data Tables to Repeat a Simulation / Performing the Newsvendor Simulation with the Excel Random Number Generator / Problems 4. AN INTRODUCTION TO @RISK Simulating the Newsvendor Example with @RISK / Explanation of Statistical Results / Conclusions 5. GENERATING NORMAL RANDOM VARIABLES Simulating Normal Demand with @RISK / Using the Graph Type Icons / Placing Target Values in the Statistics Output / Estimating the Mean and Standard Deviation of a Normal Distribution / Problems 6. APPLICATIONS OF SIMULATION TO CORPORATE FINANCIAL PLANNING Using the Triangular Distribution to Model Sales / Sensitivity Analysis with Tornado Graphs / Sensitivity Analysis with Scenarios / Alternative Modeling Strategies / Problems 7. SIMULATING A CASH BUDGET Example 7.1: Cash Budgeting / Problems 8. A SIMULATION APPROACH TO CAPACITY PLANNING Example 8.1: Wozac Capacity Example / Problems 9. SIMULATION AND BIDDING Uniform Random Variables / A Bidding Example / Problems 10. DEMING'S FUNNEL EXPERIMENT Simulating Rule 1 (Don't Touch That Funnel!) / Simulating Rule 2 / Comparison of Rules 1-4 / Lesson of the Funnel Experiment / Mathematical Explanation of the Funnel Experiment / Problems 11. THE TAGUCHI LOSS FUNCTIONS Using @RISK to Quantify Quality Loss / Problems 12. THE USE OF SIMULATION ON PROJECT MANAGEMENT The Widgetco Example / Estimating Probability Distribution of Projected Completion Time / Determining the Probability That an Activity is Critical / The Beta Distribution and Project Management / Problems 13. SIMULATING CRAPS (AND OTHER GAMES) Example 13.1: Simulating Craps / Confidence Interval for Winning at Craps / Problems 14. USING SIMULATION TO DETERMINE OPTIMAL MAINTENANCE POLICIES Example 14.1 / Problems 15. USING THE WEIBULL DISTRIBUTION TO MODEL MACHINE LIFE Example 15.1: Simulating Equipment Replacement Decisions / Problems 16. SIMULATING STOCK PRICES AND OPTIONS Modeling the Price of a Stock / Estimating the Mean and Standard Deviation of Stock Returns from Historical Data / What Is an Option? / Pricing a Call Option / Example 16.1a: Pricing a European Call Option with @RISK / Analyzing a Portfolio of Investments / Example 16.1b: Simulating Portfolio Return / Problems 17. PRICING PATH-DEPENDENT AND EXOTIC OPTIONS Example 17.1: Pricing a Path Dependent Option / Problems 18. USING IMMUNIZATION TO MANAGE INTEREST RATE RISK Duration / Convexity / Immunization Against Interest Rate Risk / Example 18.1: Immunization Using Solver / Better Models for Interest Rate Risk / Problems 19. HEDGING WITH FUTURES Hedging with Futures: The Basics / Modeling Futures Risk with @RISK / Problems 20. MODELING MARKET SHARE Example 20.1a: Market Share Simulation / Is Advertising Worthwhile? / Example 20.1b: Advertising Effectiveness / To Coupon or Not to Coupon? / Example 20.1c: Should Coke Give Out Coupons? / Problems 21. GENERATING CORRELATED VARIABLES: DESIGNING A NEW PRODUCT Example 21.1 / Problems 22. SIMULATING SAMPLING PLANS WITH THE HYPERGEOMETRIC DISTRIBUTION Example 22.1: Simulating a Sampling Plan / Problems 23. SIMULATING INVENTORY MODELS Example 23.1: Simulating a Periodic Review Inventory System / Problems 24. SIMULATING A SINGLE-SERVER QUEUING SYSTEM Example 24.1: Queuing Simulation in @RISK / Estimating the Operating Characteristics of a Queuing System / Problems

Wayne L. Winston is Professor Emeritus of Decision Sciences at the Kelley School of Business at Indiana University and is now a Professor of Decision and Information Sciences at the Bauer College at the University of Houston. He has won more than 45 teaching awards, including the school-wide MBA award six times. His current interest is in showing how spreadsheet models can be used to solve business problems in all disciplines, particularly in finance, sports, and marketing. In addition to publishing more than 20 articles in leading journals, Dr. Winston has written such successful textbooks as OPERATIONS RESEARCH: APPLICATIONS AND ALGORITHMS, MATHEMATICAL PROGRAMMING: APPLICATIONS AND ALGORITHMS, SIMULATION MODELING WITH @RISK, DATA ANALYSIS FOR MANAGERS, SPREADSHEET MODELING AND APPLICATIONS, MATHEMATICS, DATA ANALYSIS AND BUSINESS MODELING WITH EXCEL 2013, MARKETING ANALYTICS, and FINANCIAL MODELS USING SIMULATION AND OPTIMIZATION. He received his B.S. degree in mathematics from MIT and his Ph.D. in operations research from Yale.

## **Users Review**

### **From reader reviews:**

#### **Mary Gines:**

Inside other case, little individuals like to read book Simulation Modeling Using @RISK: Updated for Version 4. You can choose the best book if you'd prefer reading a book. Providing we know about how is important the book Simulation Modeling Using @RISK: Updated for Version 4. You can add knowledge and of course you can around the world by way of a book. Absolutely right, since from book you can recognize everything! From your country until eventually foreign or abroad you can be known. About simple matter until wonderful thing you can know that. In this era, we are able to open a book or perhaps searching by internet unit. It is called e-book. You can utilize it when you feel bored stiff to go to the library. Let's learn.

#### **Nancy Hartsell:**

Book is to be different for each grade. Book for children right up until adult are different content. As we know that book is very important normally. The book Simulation Modeling Using @RISK: Updated for Version 4 ended up being making you to know about other knowledge and of course you can take more information. It is very advantages for you. The guide Simulation Modeling Using @RISK: Updated for Version 4 is not only giving you more new information but also to be your friend when you sense bored. You can spend your personal spend time to read your publication. Try to make relationship using the book Simulation Modeling Using @RISK: Updated for Version 4. You never feel lose out for everything when you read some books.

#### **David Goodspeed:**

Precisely why? Because this Simulation Modeling Using @RISK: Updated for Version 4 is an unordinary book that the inside of the reserve waiting for you to snap the idea but latter it will distress you with the secret the idea inside. Reading this book next to it was fantastic author who have write the book in such amazing way makes the content on the inside easier to understand, entertaining approach but still convey the meaning completely. So , it is good for you for not hesitating having this any more or you going to regret it. This phenomenal book will give you a lot of advantages than the other book have such as help improving

your expertise and your critical thinking method. So , still want to delay having that book? If I have been you I will go to the book store hurriedly.

**Gary Roth:**

Beside that Simulation Modeling Using @RISK: Updated for Version 4 in your phone, it could possibly give you a way to get nearer to the new knowledge or information. The information and the knowledge you might got here is fresh from your oven so don't become worry if you feel like an aged people live in narrow village. It is good thing to have Simulation Modeling Using @RISK: Updated for Version 4 because this book offers to your account readable information. Do you oftentimes have book but you would not get what it's all about. Oh come on, that won't happen if you have this in your hand. The Enjoyable blend here cannot be questionable, similar to treasuring beautiful island. Use you still want to miss that? Find this book as well as read it from at this point!

**Download and Read Online Simulation Modeling Using @RISK:  
Updated for Version 4 By Wayne L. Winston #N7WI3X8EUKC**

# **Read Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston for online ebook**

Simulation Modeling Using @RISK: Updated for Version 4 By 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 Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston books to read online.

## **Online Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston ebook PDF download**

### **Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston Doc**

**Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston Mobipocket**

**Simulation Modeling Using @RISK: Updated for Version 4 By Wayne L. Winston EPub**