

## Introduction to Management Science Edition 13

Taylor

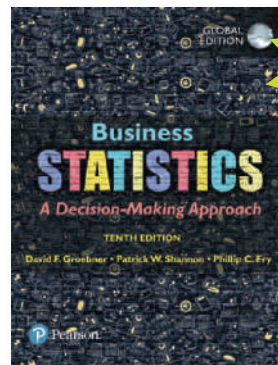
**Binding** Paperback | **Page Count** 864

This text shows students how to approach decision-making problems in a straightforward, logical way. By focusing on simple, straightforward explanations and examples with step-by-step details of the modeling and solution techniques, it makes the mathematical topics of management science less complex.

### Table of Contents

1. Management Science
  2. Linear Programming: Model Formulation and Graphical Solution
  3. Linear Programming: Computer Solution and Sensitivity Analysis
  4. Linear Programming: Modeling Examples
  5. Integer Programming
  6. Transportation, Transshipment, and Assignment Problems
  7. Network Flow Models
  8. Project Management
  9. Multicriteria Decision Making
  10. Nonlinear Programming
  11. Probability and Statistics
  12. Decision Analysis
  13. Queuing Analysis
  14. Simulation
  15. Forecasting
  16. Inventory Management
  - Appendix A: Normal and Chi-Square Tables
  - Appendix B: Setting Up and Editing a Spreadsheet
  - Appendix C: The Poisson and Exponential Distributions
  - Solutions to Selected Odd-Numbered Problems
- The following items can be found on the companion website that accompanies this text:
- Module A: The Simplex Solution Method
  - Module B: Transportation and Assignment Solution Methods
  - Module C: Integer Programming: The Branch and Bound Method
  - Module D: Nonlinear Programming Solution Techniques
  - Module E: Game Theory
  - Module F: Markov Analysis

**ISBN** 9781292263045 | **PUB Date** 5/14/2018



## Business Statistics Edition 10

Groebner / Shannon / Fry

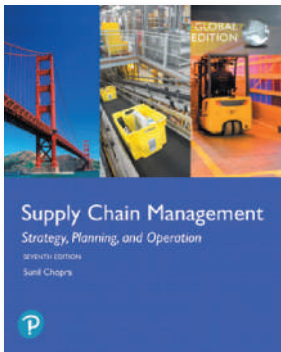
**Binding** Paperback | **Page Count** 864

For 2-semester courses in Introductory Business Statistics  
Business Statistics: A Decision Making Approach provides students with an introduction to business statistics and to the analysis skills and techniques needed to make successful real-world business decisions. Written for students of all mathematical skill levels, the authors present concepts in a systematic and ordered way, drawing from their own experience as educators and consultants. Rooted in the theme that data are the starting point, Business Statistics champions the need to use and understand different types of data and data sources to be effective decision makers. This new edition integrates Microsoft Excel throughout as a way to work with statistical concepts and give students a resource that can be used in both their academic and professional careers.

### Table of Contents

1. The Where, Why, and How of Data Collection
2. Graphs, Charts, and Tables—Describing Your Data
3. Describing Data Using Numerical Measures
1. Chapters 1-3 Special Review Section
4. Introduction to Probability
5. Discrete Probability Distributions
6. Introduction to Continuous Probability Distributions
7. Introduction to Sampling Distributions
8. Estimating Single Population Parameters
9. Introduction to Hypothesis Testing
10. Estimation and Hypothesis Testing for Two Population Parameters
11. Hypothesis Tests and Estimation for Population Variances
12. Analysis of Variance
1. Chapters 8-12 Special Review Section
13. Goodness-of-Fit Tests and Contingency Analysis
14. Introduction to Linear Regression and Correlation Analysis
15. Multiple Regression Analysis and Model Building
16. Analyzing and Forecasting Time-Series Data
17. Introduction to Nonparametric Statistics
18. Introducing Business Analytics
19. (Online Only) Introduction to Decision Analysis
20. (Online Only) Introduction to Quality and Statistical Process Control

**ISBN** 9781292220383 | **PUB Date** 4/1/2018



## *Supply Chain Management: Strategy, Planning, and Operation, Edition 7*

Chopra

**Binding** Paperback | **Page Count** 528

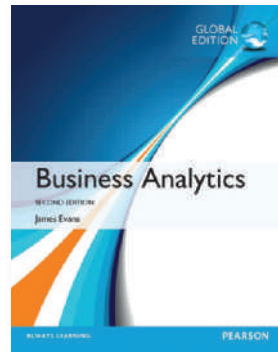
For MBA, engineering master, or senior-level undergraduate courses in supply chain management.

Supply Chain Management introduces high-level strategy and concepts while giving students the practical tools necessary to solve supply chain problems. Using a strategic framework, students are guided through all of the key drivers of supply chain performance, including facilities, inventory, transportation, information, sourcing, and pricing.

### Table of Contents

- PART I: BUILDING A STRATEGIC FRAMEWORK TO ANALYZE SUPPLY CHAINS
  - 1. Understanding the Supply Chain
  - 2. Supply Chain Performance: Achieving Strategic Fit and Scope
  - 3. Supply Chain Drivers and Metrics
- PART II: DESIGNING THE SUPPLY CHAIN NETWORK
  - 4. Designing Distribution Networks and Applications to Online Sales
  - 5. Network Design in the Supply Chain
  - 6. Designing Global Supply Chain Networks
- PART III: PLANNING AND COORDINATING DEMAND AND SUPPLY IN A SUPPLY CHAIN
  - 7. Demand Forecasting in a Supply Chain
  - 8. Aggregate Planning in a Supply Chain
  - 9. Sales and Operations Planning: Planning Supply and Demand in a Supply Chain
  - 10. Coordination in a Supply Chain
- PART IV: PLANNING AND MANAGING INVENTORIES IN A SUPPLY CHAIN
  - 11. Managing Economies of Scale in a Supply Chain: Cycle Inventory
  - 12. Managing Uncertainty in a Supply Chain: Safety Inventory
  - 13. Determining the Optimal Level of Product Availability
- PART V: DESIGNING AND PLANNING TRANSPORTATION NETWORKS
  - 14. Transportation in a Supply Chain
- PART VI: MANAGING CROSS-FUNCTIONAL DRIVERS IN A SUPPLY CHAIN
  - 15. Sourcing Decisions in a Supply Chain
  - 16. Pricing and Revenue Management in a Supply Chain
  - 17. Sustainability and the Supply Chain
- PART VII: ONLINE CHAPTER
  - A. Information Technology in a Supply Chain

**ISBN** 9781292257891 | **PUB Date** 4/1/2018



## *Business Analytics Edition 2*

Evans

**Binding** Paperback | **Page Count** 656

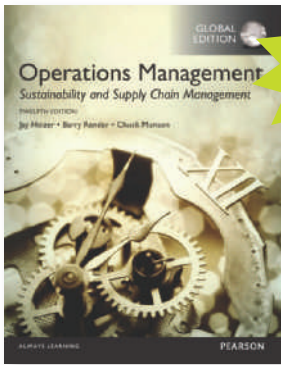
For undergraduate or graduate business students.

Business Analytics, 2nd Edition teaches the fundamental concepts of the emerging field of business analytics and provides vital tools in understanding how data analysis works in today's organizations. Students will learn to apply basic business analytics principles, communicate with analytics professionals, and effectively use and interpret analytic models to make better business decisions. Included access to commercial grade analytics software gives students real-world experience and career-focused value. Author James Evans takes a balanced, holistic approach and looks at business analytics from descriptive, and predictive perspectives.

### Table of Contents

- Preface
- About the Author
- PART 1: Foundations of Business Analytics
  - 1. Introduction to Business Analytics
  - 2. Analytics on Spreadsheets
- Part 2: Descriptive Analytics
  - 3. Visualizing and Exploring Data
  - 4. Descriptive Statistical Measures
  - 5. Probability Distributions and Data Modeling
  - 6. Sampling and Estimation
  - 7. Statistical Inference
- Part 3: Predictive Analytics
  - 8. Trendlines and Regression Analysis
  - 9. Forecasting Techniques
  - 10. Introduction to Data Mining
  - 11. Spreadsheet Modeling and Analysis
  - 12. Monte Carlo Simulation and Risk Analysis
- Part 4: Prescriptive Analytics
  - 13. Linear Optimization
  - 14. Applications of Linear Optimization
  - 15. Integer Optimization
  - 16. Decision Analysis
- Supplementary Chapter A (online): Nonlinear and Non-Smooth Optimization
- Supplementary Chapter B (online): Optimization Models with Uncertainty

**ISBN** 9781292095448 | **PUB Date** 4/1/2018



## *Operations Management: Sustainability and Supply Chain Management* Edition 12

Heizer / Render / Munson

**Binding** Paperback | **Page Count** 912

**ISBN** 9781292148632 | **PUB Date** 4/1/2018

For courses in Operations Management.

A broad, practical introduction to operations, reinforced with an extensive collection of practice problems

Operations Management: Sustainability and Supply Chain Management presents a broad introduction to the field of operations in a realistic and practical manner, while offering the largest and most diverse collection of issues on the market. Problems found in the Twelfth Edition contain ample support—found in the book's solved-problems and worked examples—to help readers better understand concepts important to today's operations management professionals.

### Table of Contents

#### Part I: Introduction to Operations Management

1. Operations and Productivity
2. Operations Strategy in a Global Environment
3. Project Management
4. Forecasting

#### Part II: Designing Operations

5. Design of Goods and Services
- S5. Sustainability in the Supply Chain
6. Managing Quality
- S6. Statistical Process Control
7. Process Strategy
- S7. Capacity and Constraint Management
8. Location Strategies
9. Layout Strategies
10. Human Resources, Job Design, and Work Measurement

#### PART III: Managing Operations

11. Supply Chain Management
- S11. Supply Chain Management Analytics
12. Inventory Management
13. Aggregate Planning and S&OP
14. Material Requirements Planning (MRP) and ERP
15. Short-Term Scheduling
16. Lean Operations

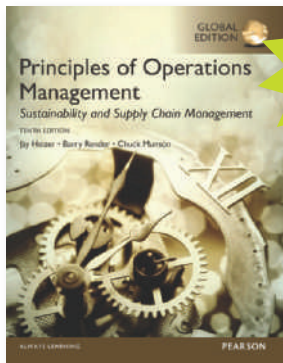
#### 17. Maintenance and Reliability

#### PART IV: Business Analytics Modules

- Module A. Decision-Making Tools
- Module B. Linear Programming
- Module C. Transportation Models
- Module D. Waiting-Line Models
- Module E. Learning Curves
- Module F. Simulation

#### Online Tutorials

1. Statistical Tools for Managers
2. Acceptance Sampling
3. The Simplex Method of Linear Programming
4. The MODI and VAM Methods of Solving Transportation Problems
5. Vehicle Routing and Scheduling



MyLab OM available

## *Principles of Operations Management: Sustainability and Supply Chain Management Edition 10*

Heizer / Render / Munson

**Binding** Paperback | **Page Count** 768

For courses in operations management.

Principles of Operations Management: Sustainability and Supply Chain Management presents a broad introduction to the field of operations in a realistic and practical manner, while offering the largest and most diverse collection of issues on the market.

### Table of Contents

- Part I: Introduction to Operations Management
  - 1. Operations and Productivity
  - 2. Operations Strategy in a Global Environment
  - 3. Project Management
  - 4. Forecasting
- Part II: Designing Operations
  - 5. Design of Goods and Services
  - S5. Sustainability in the Supply Chain
  - 6. Managing Quality
  - S6. Statistical Process Control
  - 7. Process Strategy
  - S7. Capacity and Constraint Management
  - 8. Location Strategies
  - 9. Layout Strategies
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- PART III: Managing Operations
  - 11. Supply Chain Management
  - S11. Supply Chain Management Analytics
  - 12. Inventory Management
  - 13. Aggregate Planning and S&OP
  - 14. Material Requirements Planning (MRP) and ERP
  - 15. Short-Term Scheduling
  - 16. Lean Operations
  - 17. Maintenance and Reliability
- Online Tutorials
  - 1. Statistical Tools for Managers
  - 2. Acceptance Sampling
  - 3. The Simplex Method of Linear Programming
  - 4. The MODI and VAM Methods of Solving Transportation Problems
  - 5. Vehicle Routing and Scheduling

**ISBN** 9781292153018 | **PUB Date** 4/1/2018



## *Managing Quality: Integrating the Supply Chain Edition 6*

Foster

**Binding** Paperback | **Page Count** 480

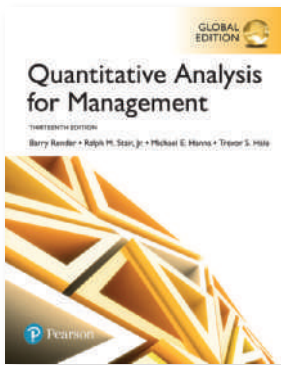
For courses in quality management.

Foster's *Managing Quality: Integrating the Supply Chain*, Sixth Edition offers students a thorough introduction to quality management by presenting a supply chain theme as the unifying framework for quality improvement. The supply chain thread enhances the integration of systems with customers, suppliers, technology, and people. The Sixth Edition elicits a theme of "currency" while offering updated vignettes and references to remain state-of-the-art. The new edition is selectively edited and enhanced with new content that maintains its scope and withstands pivotal points in each section. *Managing Quality* keeps a competitive advantage by sustaining and building on cutting-edge, relevant topics in quality management.

### Table of Contents

- Part 1: Understanding Quality Concepts
  - 1. Differing Perspectives on Quality
  - 2. Quality Theory
  - 3. Global Supply Chain Quality and International Quality Standards
- PART 2: Designing and Assuring Quality
  - 4. Strategic Quality Planning
  - 5. The Voice of the Customer
  - 6. The Voice of the Market
  - 7. Quality and Innovation in Product and Process Design
  - 8. Designing Quality Services
  - 9. Managing Supplier Quality in the Supply Chain
  - 10. Appendix: Acceptance Sampling
- PART 3: Implementing Quality
  - 11. The Tools of Quality
  - 12. Statistically Based Quality Improvement for Variables
  - 13. Statistically Based Quality Improvement for Attributes
  - 14. Six Sigma Management and Lean Tools
- PART 4: Forever Improving the Quality System
  - 15. Managing Quality Improvement Teams and Projects
  - 16. Implementing and Validating the Quality System

**ISBN** 9781292154213 | **PUB Date** 9/3/2017



## Quantitative Analysis for Management Edition 13

Render / Stair / Hanna / Hale

Binding Paperback | Page Count 608

For courses in management science or decision modeling.

This text gives students a foundation in business analytics, quantitative methods, and management science through a strong emphasis on model building, computer applications, and examples. The authors' approach presents mathematical models, in clear, plain English, and then applies the ensuing solution procedures to example problems along with step-by-step, how-to instructions. In instances in which the mathematical computations are intricate, the details are presented in a manner that ensures flexibility, allowing instructors to omit these sections without interrupting the flow of the material. The text's use of software allows instructors to focus on the managerial problem, while spending less time on the mathematical details of the algorithms. Computer output is provided for many examples throughout the text.

### Table of Contents

1. Introduction to Quantitative Analysis
2. Probability Concepts and Applications
3. Decision Analysis
4. Regression Models
5. Forecasting
6. Inventory Control Models
7. Linear Programming Models: Graphical and Computer Methods
8. Linear Programming Applications
9. Transportation, Assignment, and Network Models
10. Integer Programming, Goal Programming, and Nonlinear Programming
11. Project Management
12. Waiting Lines and Queuing Theory Models
13. Simulation Modeling
14. Markov Analysis
15. Statistical Quality Control
- Online Module 1: Analytic Hierarchy Process
- Online Module 2: Dynamic Programming
- Online Module 3: Decision Theory and the Normal Distribution
- Online Module 4: Game Theory
- Online Module 5: Mathematical Tools: Determinants and Matrices
- Online Module 6: Calculus-Based Optimization
- Online Module 7: Linear Programming: The Simplex Method
- Online Module 8: Transportation, Assignment, and Network Algorithms

ISBN 9781292217659 | PUB Date 7/25/2017



## Introduction to Materials Management Edition 8

Chapman / Gatewood / Arnold / Clive

Binding Paperback | Page Count 464

For all courses in materials management, production, inventory control, and logistics taught in business and industrial technology departments of community colleges, four-year colleges, and universities.

Clearly written and exceptionally user-friendly, this text covers all the essentials of modern supply chain management, manufacturing planning and control systems, purchasing, and physical distribution. Content, examples, questions, and problems lead students step-by-step to mastery. Widely adopted by colleges and universities worldwide, this is the only APICS-listed reference text for the Basics of Supply Chain Management (BSCM) CPIM certification examination.

### Table of Contents

1. Introduction to Materials Management
2. Production Planning System
3. Master Scheduling
4. Material Requirements Planning
5. Capacity Management
6. Production Activity Control
7. Purchasing
8. Forecasting and Demand Management
9. Inventory Fundamentals
10. Order Quantities
11. Independent Demand Ordering Systems
12. Physical Inventory and Warehouse Management
13. Physical Distribution
14. Products and Processes
15. Lean Production
16. Total Quality Management

ISBN 9781292162355 | PUB Date 4/1/2018