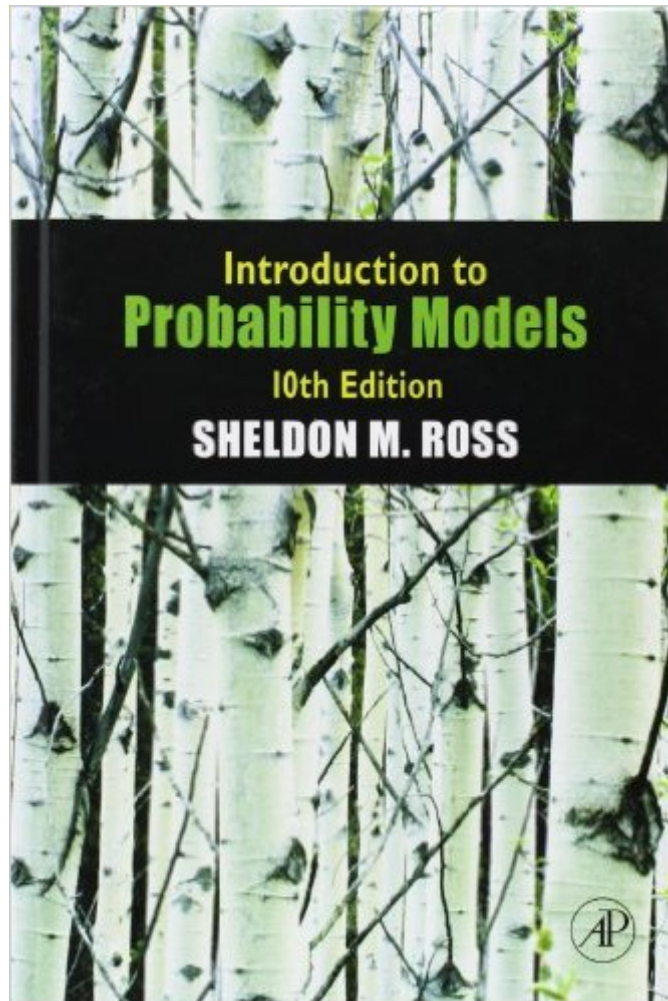


The book was found

Introduction To Probability Models, Tenth Edition



Synopsis

Introduction to Probability Models, Tenth Edition, provides an introduction to elementary probability theory and stochastic processes. There are two approaches to the study of probability theory. One is heuristic and nonrigorous, and attempts to develop in students an intuitive feel for the subject that enables him or her to think probabilistically. The other approach attempts a rigorous development of probability by using the tools of measure theory. The first approach is employed in this text. The book begins by introducing basic concepts of probability theory, such as the random variable, conditional probability, and conditional expectation. This is followed by discussions of stochastic processes, including Markov chains and Poisson processes. The remaining chapters cover queuing, reliability theory, Brownian motion, and simulation. Many examples are worked out throughout the text, along with exercises to be solved by students. This book will be particularly useful to those interested in learning how probability theory can be applied to the study of phenomena in fields such as engineering, computer science, management science, the physical and social sciences, and operations research. Ideally, this text would be used in a one-year course in probability models, or a one-semester course in introductory probability theory or a course in elementary stochastic processes.

New to this Edition: 65% new chapter material including coverage of finite capacity queues, insurance risk models and Markov chains
Contains compulsory material for new Exam 3 of the Society of Actuaries containing several sections in the new exams
Updated data, and a list of commonly used notations and equations, a robust ancillary package, including a ISM, SSM, test bank, and companion website
Includes SPSS PASW Modeler and SAS JMP software packages which are widely used in the field

Hallmark features: Superior writing style
Excellent exercises and examples covering the wide breadth of coverage of probability topics
Real-world applications in engineering, science, business and economics

Book Information

Hardcover: 800 pages

Publisher: Academic Press; 10th edition (December 17, 2009)

Language: English

ISBN-10: 0123756863

ISBN-13: 978-0123756862

Product Dimensions: 9.1 x 6.1 x 1.3 inches

Shipping Weight: 2.6 pounds

Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (33 customer reviews)

Best Sellers Rank: #403,187 in Books (See Top 100 in Books) #33 in Books > Science & Math > Mathematics > Applied > Stochastic Modeling #1095 in Books > Textbooks > Science & Mathematics > Mathematics > Statistics #1635 in Books > Science & Math > Mathematics > Applied > Probability & Statistics

Customer Reviews

This book is best for those with some exposure to probability and statistics. If you've had science courses that used probability but you've never actually taken a probability course, then this book could be perfect. In my opinion, this text provides a strong foundation. It makes books like All of Statistics: A Concise Course in Statistical Inference (Springer Texts in Statistics), easier to use and harder to abuse. Pros:- Clarity: There are no missing steps in the math, you don't have to doodle in the margins to derive the next equation.- Mathematical ease: This is calculus-based probability but the calculus is not difficult and the algebra is crystal clear.- Completeness: The book clearly presents core concepts concisely; it is not telegraphic. You will be introduced to probability distributions, conditional probability, Markov models, queuing theory, stochastic processing and methods for simulating distributions.- Theory: The text mentions or proves relevant theorems at the rate of 1 every 10 pages. The proofs were simple and the theorems are crucial - for introductory texts, that counts as theory for me.- Examples: There are many good examples that make it more memorable.- Structure: Overall, I thought the structure was good. As a novice, I particularly liked the 2nd chapter on random variables - a clean approach to various probability distributions, their parameters and functions. As a scientist, I was grateful for the clear introduction to queues and stochastic processes.

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

Introduction to Probability Models, Tenth Edition Introduction to Probability Models, Eleventh Edition Introduction to Probability Models Elementary Stochastic Calculus With Finance in View (Advanced Series on Statistical Science & Applied Probability, Vol 6) (Advanced Series on Statistical Science and Applied Probability) Engineering Uncertainty and Risk Analysis, Second Edition: A Balanced Approach to Probability, Statistics, Stochastic Models, and Stochastic Differential Equations Probability Models for Computer Science Microsoft Excel 2013 Building Data Models with PowerPivot: Building Data Models with PowerPivot (Business Skills) Introduction to Sociology (Seagull Tenth Edition) Introduction to Probability and Statistics for Engineers and Scientists, Fifth Edition Introduction to Probability, Second Edition An Introduction to Probability and Statistical Inference, Second Edition Introduction to Probability (Chapman & Hall/CRC Texts in Statistical

Science) Probability: An Introduction Introduction to Stochastic Integration (Probability and Its Applications) Introduction to Counting & Probability (The Art of Problem Solving) Introduction to Counting & Probability: Solutions Manual Schaum's Outline of Introduction to Probability and Statistics (Schaum's Outlines) Manter and Gatz's Essentials of Clinical Neuroanatomy and Neurophysiology, 10th Edition by Sid Gilman Published by F. A. Davis Company 10th (tenth) edition (2002) Paperback Riverbend Timber Framing: Plan Book, Tenth edition (Planning the Timber Frame Home) CURRENT Diagnosis & Treatment Obstetrics & Gynecology, Tenth Edition (LANGE CURRENT Series)

[Dmca](#)