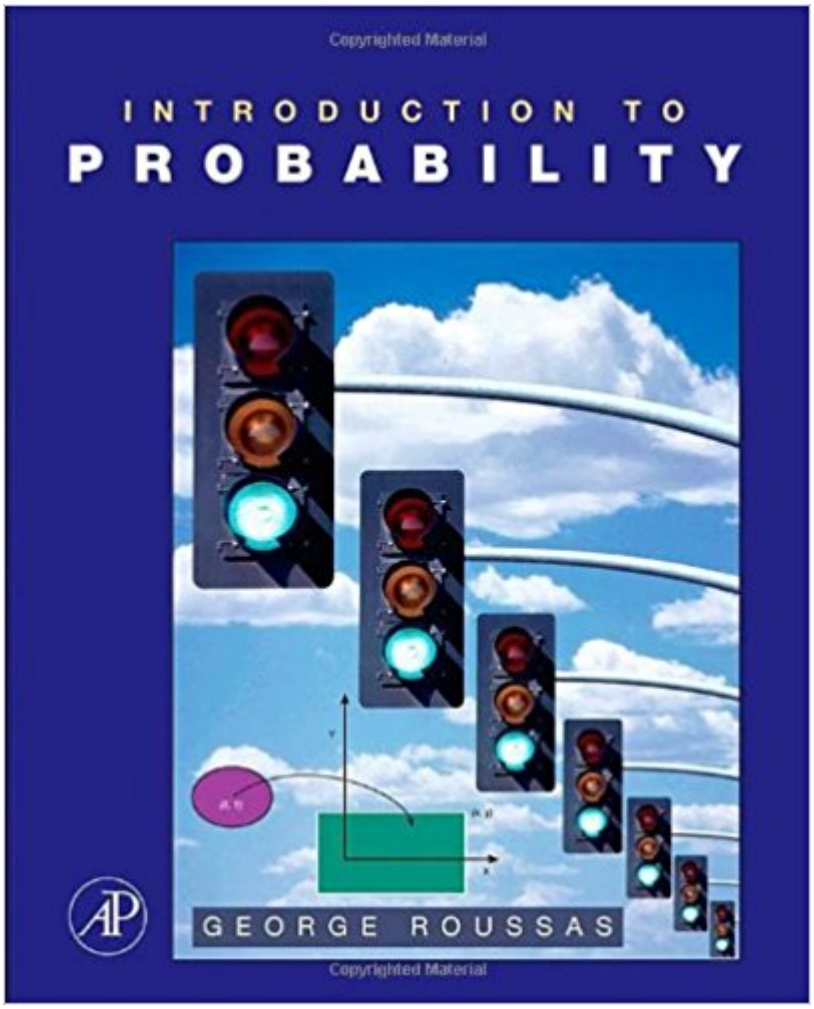
Introduction To Probability



Synopsis

Roussas’s Introduction to Probability features exceptionally clear explanations of the mathematics of probability theory and explores its diverse applications through numerous interesting and motivational examples. It provides a thorough introduction to the subject for professionals and advanced students taking their first course in probability. The content is based on the introductory chapters of Roussas’s book, An Intoduction to Probability and Statistical Inference, with additional chapters and revisions. â ¢ Written by a well-respected author known for great exposition and readabilityâ ¢ Boasts many real world examplesâ ¢ Pedagogy includes chapter summaries, tables of distributions and formulas, and answers to even-numbered exercises

Book Information

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Customer Reviews

â œâ |the first seven chapters can be used as one term undergraduate course in probability. I am satisfied with the topics covered in each chapter and the order in which they are presented. Numerous solved examples and exercises are provided in each chapter. They support concepts well, and they are of high quality. The examples and exercises are carefully selected and are even better than many texts currently available in the marketâ |I would be happy to adopt this book.” -Subash Bagui Univ of West Florida "I feel this book covers the topics better and in a more easy to understand way with the conversational tone. There are a lot more examples and I like that the exercises are not too technologically dependent. I would definitely adopt this for my Intro Probability course. The first eight chapters are a perfect fit.” -Pat Goeters Auburn University

Features exceptionally clear explanations of the mathematics of probability theory and explores its many diverse applications through numerous interesting and motivational examples

This is probably the worst Math textbook I have ever owned. I bought this book because my Introduction to Probability class required it. I have heard of other good Probability textbooks and I have no idea why the instructor chose this old text. The author does not do a good job explaining the concepts. It is not easy to read to understand from his way of writing (even from Chapter 1). If you are an instructor looking for a textbook for your class, please do not choose this one because I am sure your students will drop your class if you seriously rely on this text as a main source of teaching materials.

Good for starters

It’s a good textbook for statistics.

the boook came faster than expected and it was for a good price in addition to being new, this was a great buy

This book is meant for an introductory course in probability based on a year-long course in calculus, and perhaps some linear algebra.The book deals, at the prescribed level, with all basics of probability in a truly systematic way. It starts out with a plethora of concrete examples to motivate the reader, and also demonstrate the applicability of probability in a great variety of human activities. It proceeds with the introduction of the necessary notation and concepts, including those of a random experiment, random variable, probability, conditional probability, and numerical characteristics of a random variable. Then the necessity of considering more than one random variable is explained, and related concepts are introduced and basic results are derived. The concept of independence is also introduced and discussed, as well as the necessity of considering transformed random variables. The book is essentially concluded with the most important and classical results in probability, the so-called laws of large numbers and the central limit theorem.The book is a specimen of true systematic and logical reasoning, even at a level of rather modest mathematical background. An abundance of examples illustrate various aspects of the results discussed, and a significant number of exercises at the end of each section provide many additional

practical applications of the theory developed.The book is a great contribution to the literature for a course in probability at the post calculus level. However, it is not meant for the reader whose interest is restricted to code names and framed formulas.Congratulations to the author!

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