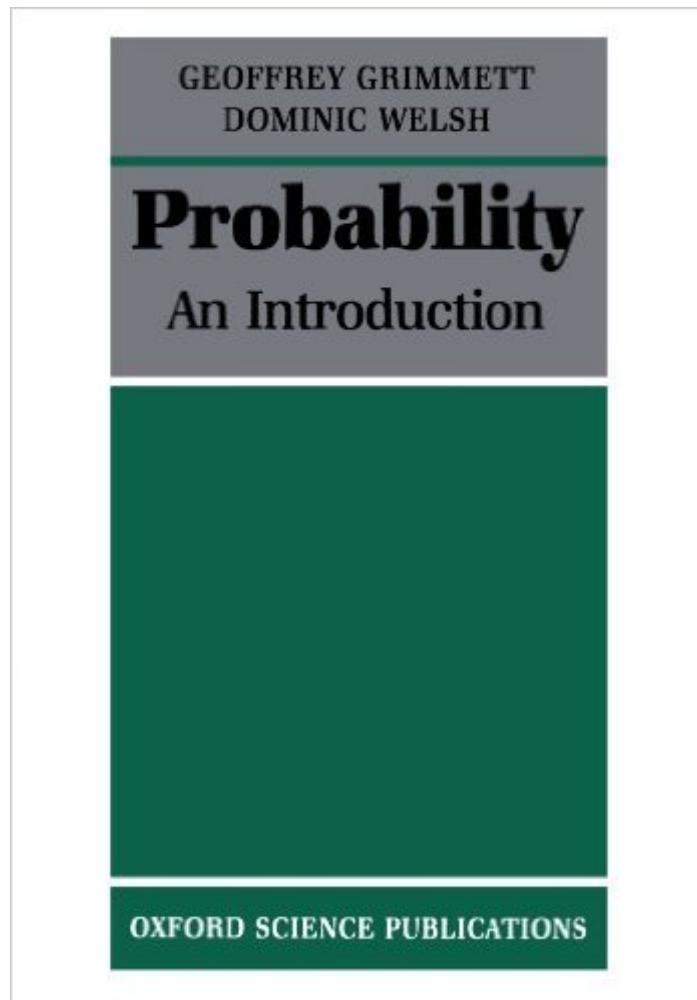


The book was found

Probability: An Introduction (Oxford Science Publications)



Synopsis

This new undergraduate text offers a concise introduction to probability and random processes. Exercises and problems range from simple to difficult, and the overall treatment, though elementary, includes rigorous mathematical arguments. Chapters contain core material for a beginning course in probability, a treatment of joint distributions leading to accounts of moment-generating functions, the law of large numbers and the central limit theorem, and basic random processes.

Book Information

Series: Oxford Science Publications

Paperback: 210 pages

Publisher: Oxford University Press (November 20, 1986)

Language: English

ISBN-10: 0198532644

ISBN-13: 978-0198532644

Product Dimensions: 9.1 x 0.6 x 6.1 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 starsÂ See all reviewsÂ (6 customer reviews)

Best Sellers Rank: #1,349,510 in Books (See Top 100 in Books) #135 inÂ Books > Science & Math > Mathematics > Applied > Stochastic Modeling #574 inÂ Books > Business & Money > Processes & Infrastructure > Operations Research #3405 inÂ Books > Textbooks > Science & Mathematics > Mathematics > Statistics

Customer Reviews

This text provides an informal introduction to (Calculus-based) Probability Theory. The text is "introductory-level" in the sense that it doesn't develop any serious measure theory (although it does define probability spaces and probability measures). On the other hand, the reader should have a solid background in set theory, logic, calculus (including multivariable), and basic discrete math - so perhaps this book isn't the right choice for a Probability course aimed at "engineering- or physics-type" students who don't have the right background in pure math. But for a class directed at (pure) math majors (say at the junior/senior level in american universities) this book is excellent. It covers basic probability, first in terms of discrete random variables and probability generating functions before moving on to discuss further probability including general random variables, covariance, moment generating functions, as well as (somewhat simplified versions of) the weak law of large numbers and the central limit theorem. Finally, there chapters on applications, and

important topics including branching processes, random walks, and an introduction to random processes in continuous time. Each chapter contains numerous easy Exercises so the reader can self-check understanding, and each chapter ends with a collection of Problems - some of these can be pretty challenging! The text also contains hints and answers to many of the Exercises/Problems, which makes this book well-suited for self-study. However, the text is compelling for more than the material it covers: the text is written in a relatively informal tone, and many of the "real-world" problems are quite funny (in a way that seems very "british" to me).

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

Probability: An Introduction (Oxford Science Publications) The Quantum Theory of Light (Oxford Science Publications) Hormone Replacement Therapy: A Guide for Primary Care (Oxford Medical Publications) Methods for the Economic Evaluation of Health Care Programmes (Oxford Medical Publications) An Introduction to Probability and Inductive Logic Introduction to Probability Models: Operations Research, Volume II (with CD-ROM and InfoTrac) Diccionario Oxford Complutense de Ciencias / Oxford Dictionary of Science Complutense (Spanish Edition) The Oxford Companion to Popular Music (Oxford Quick Reference) The Oxford Dictionary of Dance (Oxford Quick Reference) Oxford Bible Atlas 4th (fourth) Edition by Curtis, Adrian published by Oxford University Press, USA (2009) The Oxford Handbook of Quaker Studies (Oxford Handbooks) The Oxford Book of English Ghost Stories (Oxford Books of Prose & Verse) The Oxford Guide to Arthurian Literature and Legend (Oxford Quick Reference) The Oxford Companion to the Bible (Oxford Companions) The Communist Manifesto (Oxford World's Classics) Reissue Edition by Marx, Karl, Engels, Friedrich published by Oxford University Press, USA (2008) Paperback The Oxford Handbook of The History of Analytic Philosophy (Oxford Handbooks) The Oxford Handbook of Philosophical Methodology (Oxford Handbooks) The Oxford Handbook of Sacramental Theology (Oxford Handbooks) Othello: Oxford School Shakespeare (Oxford School Shakespeare Series) Twelfth Night (2010 edition): Oxford School Shakespeare (Oxford School Shakespeare Series)

[Dmca](#)