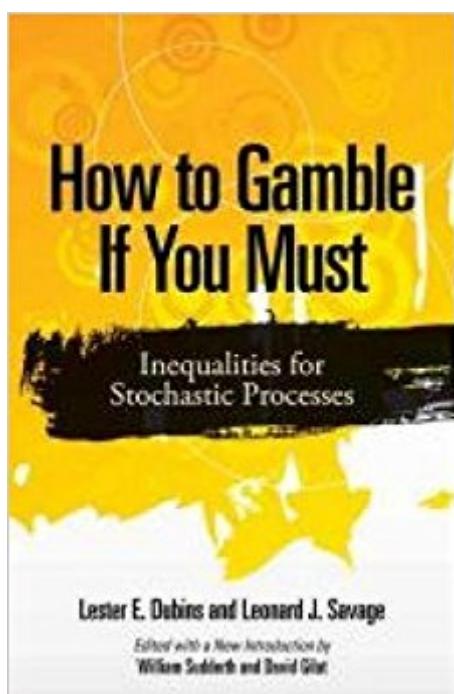


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# How To Gamble If You Must: Inequalities For Stochastic Processes (Dover Books On Mathematics)



## Synopsis

This classic of advanced statistics is geared toward graduate-level readers and uses the concepts of gambling to develop important ideas in probability theory. The authors have distilled the essence of many years' research into a dozen concise chapters. "Strongly recommended" by the Journal of the American Statistical Association upon its initial publication, this revised and updated edition features contributions from two well-known statisticians that include a new Preface, updated references, and findings from recent research. Following an introductory chapter, the book formulates the gambler's problem and discusses gambling strategies. Succeeding chapters explore the properties associated with casinos and certain measures of subfairness. Concluding chapters relate the scope of the gambler's problems to more general mathematical ideas, including dynamic programming, Bayesian statistics, and stochastic processes.

## Book Information

Series: Dover Books on Mathematics

Paperback: 304 pages

Publisher: Dover Publications; Reprint edition (August 20, 2014)

Language: English

ISBN-10: 0486780643

ISBN-13: 978-0486780641

Product Dimensions: 5.4 x 0.9 x 8.4 inches

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

Average Customer Review: 3.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #1,190,469 in Books (See Top 100 in Books) #108 in Books > Science & Math > Mathematics > Applied > Stochastic Modeling #4774 in Books > Science & Math > Mathematics > Applied > Probability & Statistics

## Customer Reviews

This classic of advanced statistics is geared toward graduate-level readers and uses the concepts of gambling to develop important ideas in probability theory. The authors have distilled the essence of many years' research into a dozen concise chapters. "Strongly recommended" by the Journal of the American Statistical Association upon its initial publication, this revised and updated edition features contributions from two well-known statisticians that include a new Preface, updated references, and findings from recent research. Following an introductory chapter, the book formulates the gambler's problem and discusses gambling strategies. Succeeding chapters explore

the properties associated with casinos and certain measures of subfairness. Concluding chapters relate the scope of the gambler's problems to more general mathematical ideas, including dynamic programming, Bayesian statistics, and stochastic processes. Dover (2014) revised and updated republication of the 1976 Dover edition entitled *Inequalities for Stochastic Processes*. See every Dover book in print at [www.doverpublications.com](http://www.doverpublications.com)

Lester E. Dubins (1920–2010) was Professor of Mathematics at the University of California, Berkeley, from 1962 to 2004. Leonard J. Savage (1917–1971) was a mathematician and statistician who taught at several universities, including Princeton, Yale, and Columbia. His other Dover book is *The Foundation of Statistics*. William Sudderth is a Professor in the School of Statistics at the University of Minnesota. David Gilat is a Professor in the School of Mathematical Sciences at Tel Aviv University.

This is an extremely informative and fun book - but you better know some math.

I won a copy of this book through GoodReads First Reads. This book is not for the faint of heart despite a sentence in the introduction saying familiarity with probability is unneeded. The book is for mathematically inclined and familiarity with the jargon is necessary. Set theory and advanced concepts in math are thrown around from the start. That said for the right audience this book is a nice read. Written with a conversational style and less focus on pure theorem printing than could be found elsewhere. Interesting conclusions but definitely not for the average reader.

I should have listened to the reviews before buying. This is a very math heavy book and isn't meant for someone to casually read. If you're someone with a degree in statistics or calculus then you'd probably be able to follow along, but for most of us this very advanced material.

Excellent reference book for the SERIOUS student of "gambling" and gamingstrategies. This is a graduate-level treatment and not for the casual reader. Don't expect a quick and easy guide to "beat the casino". But, for those interested in the theoretical underpinnings of gambling, this book will provide insights not readily found elsewhere.

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