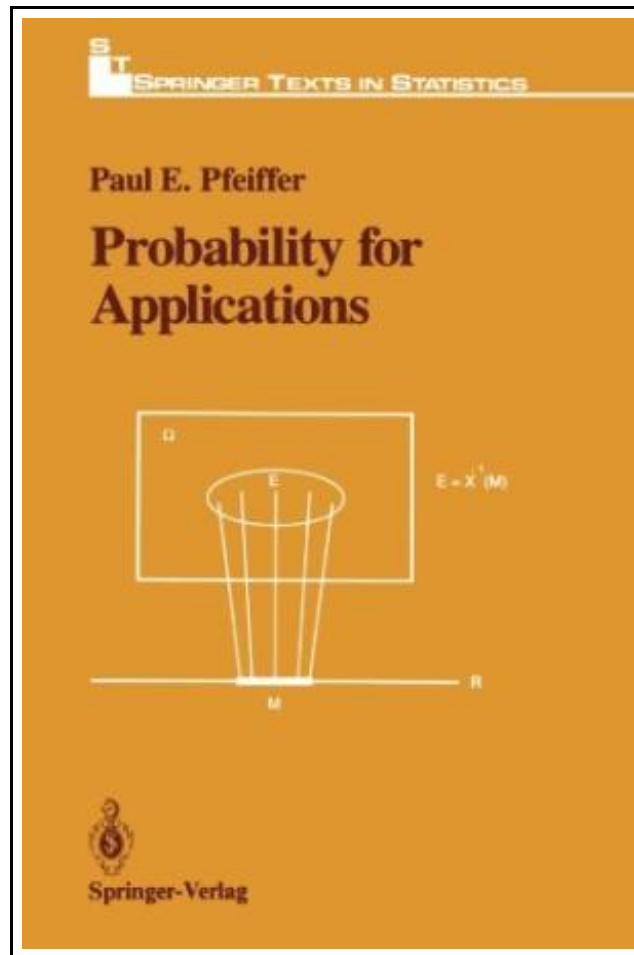


# Probability for Applications



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## Reviews

*It is just one of my personal favorite publication. It is among the most awesome publication i have read. It is extremely difficult to leave it before concluding, once you begin to read the book.*  
(Delia Rutherford)

## PROBABILITY FOR APPLICATIONS



Book Condition: New. Publisher/Verlag: Springer, Berlin | Objecti&apos;ves. As the title suggests, this book provides an introduction to probability designed to prepare the reader for intelligent and resourceful applications in a variety of fields. Its goal is to provide a careful exposition of those concepts, interpretations, and analytical techniques needed for the study of such topics as statistics, introductory random processes, statis tical communications and control, operations research, or various topics in the behavioral and social sciences. Also, the treatment should provide a background for more advanced study of mathematical probability or math ematical statistics. The level of preparation assumed is indicated by the fact that the book grew out of a first course in probability, taken at the junior or senior level by students in a variety of fields-mathematical sciences, engineer ing, physics, statistics, operations research, computer science, economics, and various other areas of the social and behavioral sciences. Students are expected to have a working knowledge of single-variable calculus, including some acquaintance with power series. Generally, they are expected to have the experience and mathematical maturity to enable them to learn new concepts and to follow and to carry out sound mathematical arguments. While some experience with multiple integrals is helpful, the essential ideas can be introduced or reviewed rather quickly at points where needed. | &apos;l Basic Probability.- 1 Trials and Events.- 1.1 Trials, Outcomes, and Events.- 1.2 Combinations of Events and Special Events.- 1.3 Indicator Functions and Combinations of Events.- 1.4 Classes, Partitions, and Boolean Combinations.- 2 Probability Systems.- 2.1 Probability Measures.- 2.2 Some Elementary Properties.- 2.3 Interpretation and Determination of Probabilities.- 2.4 Minterm Maps and Boolean Combinations.- 2a The Sigma Algebra of Events.- 3 Conditional Probability.- 3.1 Conditioning and the Reassignment of Likelihoods.- 3.2 Properties of Conditional Probability.- 3.3 Repeated Conditioning.- 4 Independence of Events.-...



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