

This book is written for high school and college students learning about probability for the first time. It will appeal to the reader who has a healthy level of enthusiasm for understanding how and why the various results of probability come about.

All of the standard introductory topics in probability are covered: combinatorics, the rules of probability, Bayes' theorem, expectation value, variance, probability density, common distributions, the law of large numbers, the central limit theorem, correlation, and regression. Calculus is not a prerequisite, although a few of the problems do involve calculus. These are marked clearly.

- Features 150 worked-out problems in the form of examples in the text and solved problems at the end of each chapter.
- Includes 100 figures to help illustrate important concepts.
- Frequently provides helpful supplementary remarks that are separated off from the main text.
- Concludes with appendices that develop the mathematical tools needed for derivations in the text.
- A valuable resource in any introductory probability course, either as the main text or as a supplement.

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