



The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides)

By Steven J. Miller

Download now

Read Online →

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller

The essential lifesaver for students who want to master probability

For students learning probability, its numerous applications, techniques, and methods can seem intimidating and overwhelming. That's where *The Probability Lifesaver* steps in. Designed to serve as a complete stand-alone introduction to the subject or as a supplement for a course, this accessible and user-friendly study guide helps students comfortably navigate probability's terrain and achieve positive results.

The Probability Lifesaver is based on a successful course that Steven Miller has taught at Brown University, Mount Holyoke College, and Williams College. With a relaxed and informal style, Miller presents the math with thorough reviews of prerequisite materials, worked-out problems of varying difficulty, and proofs. He explores a topic first to build intuition, and only after that does he dive into technical details. Coverage of topics is comprehensive, and materials are repeated for reinforcement—both in the guide and on the book's website. An appendix goes over proof techniques, and video lectures of the course are available online. Students using this book should have some familiarity with algebra and precalculus.

The Probability Lifesaver not only enables students to survive probability but also to achieve mastery of the subject for use in future courses.

- A helpful introduction to probability or a perfect supplement for a course
- Numerous worked-out examples
- Lectures based on the chapters are available free online
- Intuition of problems emphasized first, then technical proofs given
- Appendixes review proof techniques
- Relaxed, conversational approach

 [**Download** The Probability Lifesaver: All the Tools You Need ...pdf](#)

 [**Read Online** The Probability Lifesaver: All the Tools You Nee ...pdf](#)

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides)

By Steven J. Miller

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller

The essential lifesaver for students who want to master probability

For students learning probability, its numerous applications, techniques, and methods can seem intimidating and overwhelming. That's where *The Probability Lifesaver* steps in. Designed to serve as a complete stand-alone introduction to the subject or as a supplement for a course, this accessible and user-friendly study guide helps students comfortably navigate probability's terrain and achieve positive results.

The Probability Lifesaver is based on a successful course that Steven Miller has taught at Brown University, Mount Holyoke College, and Williams College. With a relaxed and informal style, Miller presents the math with thorough reviews of prerequisite materials, worked-out problems of varying difficulty, and proofs. He explores a topic first to build intuition, and only after that does he dive into technical details. Coverage of topics is comprehensive, and materials are repeated for reinforcement—both in the guide and on the book's website. An appendix goes over proof techniques, and video lectures of the course are available online. Students using this book should have some familiarity with algebra and precalculus.

The Probability Lifesaver not only enables students to survive probability but also to achieve mastery of the subject for use in future courses.

- A helpful introduction to probability or a perfect supplement for a course
- Numerous worked-out examples
- Lectures based on the chapters are available free online
- Intuition of problems emphasized first, then technical proofs given
- Appendixes review proof techniques
- Relaxed, conversational approach

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller Bibliography

- Rank: #651194 in eBooks
- Published on: 2017-05-16
- Released on: 2017-05-16
- Format: Kindle eBook



[Download The Probability Lifesaver: All the Tools You Need ...pdf](#)



[Read Online The Probability Lifesaver: All the Tools You Nee ...pdf](#)

Download and Read Free Online The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller

Editorial Review

From the Back Cover

"This is a superb book by a gifted writer and mathematician. Miller's amiable, intuitive writing style weaves stories about probability into the narrative in a unique fashion."--**Larry Leemis, College of William & Mary**

"*The Probability Lifesaver* creates a wonderful mathematical experience. It combines important theories with fun problems, giving a new and creative perspective on probability. This book helped me understand the big questions behind the mathematics of probability: why the complex theories I was learning are true, where they come from, and what are their applications. This approach is a welcome complement to other heavy theoretical books, and was detailed and expansive enough to serve as the main textbook for our class."--**Alexandre Gueganic, Williams College '19**

"This fun book gives readers the feeling that they are having a live conversation with the author. A wonderful resource for students and teachers alike, *The Probability Lifesaver* contains clear and detailed explanations, problems with solutions on every topic, and extremely helpful background material."--**Ido Ben-Ari, University of Connecticut**

"In *The Probability Lifesaver*, Miller does more than simply present the theoretical framework of probability. He takes complex concepts and describes them in understandable language, provides realistic applications that highlight the far-extending reaches of probability, and engages the problem-solving intuitions that lie at the heart of mathematics. Lastly, and most importantly, I am reminded throughout this textbook of why I chose to study mathematics: because it's fun!"--**Michael Stone, Williams College '16**

"*The Probability Lifesaver* motivates introductory probability theory with concrete applications in an approachable and engaging manner. From computing the probability of various poker hands to defining sigma-algebras, it strikes a balance between applied computation and mathematical theory that makes it easy to follow while still being mathematically satisfying."--**David Burt, Williams College '17**

"A balanced mix of theoretical and practical problem-solving approaches in probability--suited for personal study as well as textbook reading in and out of the classroom. After college, while working, I took a probability class remotely and with this book, I was able to follow easily despite being without a TA or easy access to the professor. From research examples to interview questions, it has saved my life more than once."--**Dan Zhao, Williams College '14**

"*The Probability Lifesaver* helped me build a foundation of probability theory and an appreciation for its nuances through engaging examples and easy-to-follow explanations. This well-written and extensive book will serve as your guide to probability and reward you for the time you give it."--**Jaclyn Porfilio, Williams '15**

"I see a tremendous value in this fun, engaging, and informal book. It has a conversational tone, which invites students to engage the material and concepts. It is as if Miller is there, lecturing on the topics, helping students to think things through for themselves."--**John Imbrie, University of Virginia**

"*The Probability Lifesaver* contains a lot of explanations and examples and provides step-by-step

instructions to how definitions and ideas are formulated. I appreciated that it tries to provide multiple solutions to each problem. Interesting, informative, approachable, and comprehensive, this book was easy to read and would make a good supplement for a first probability course at the undergraduate level."--**Jingchen Hu, Vassar College**

"Filled with many interesting and contemporary examples, *The Probability Lifesaver* would have undoubtedly helped me while I was taking statistics. Miller offers careful, detailed explanations in simple terms that are easy to understand."--**James Coyle, former student at Rutgers University**

About the Author

Steven J. Miller is associate professor of mathematics at Williams College. He is the coauthor of *An Invitation to Modern Number Theory* (Princeton) and *The Mathematics of Encryption: An Elementary Introduction* and the editor of *Benford's Law: Theory and Applications* (Princeton).

Users Review

From reader reviews:

Thomas Tritt:

Book will be written, printed, or illustrated for everything. You can realize everything you want by a guide. Book has a different type. As it is known to us that book is important matter to bring us around the world. Adjacent to that you can your reading talent was fluently. A guide *The Probability Lifesaver: All the Tools You Need to Understand Chance* (Princeton Lifesaver Study Guides) will make you to end up being smarter. You can feel much more confidence if you can know about anything. But some of you think that will open or reading any book make you bored. It is not make you fun. Why they are often thought like that? Have you in search of best book or suitable book with you?

Judith Mandel:

Here thing why this specific *The Probability Lifesaver: All the Tools You Need to Understand Chance* (Princeton Lifesaver Study Guides) are different and trusted to be yours. First of all looking at a book is good nonetheless it depends in the content of it which is the content is as tasty as food or not. *The Probability Lifesaver: All the Tools You Need to Understand Chance* (Princeton Lifesaver Study Guides) giving you information deeper since different ways, you can find any publication out there but there is no publication that similar with *The Probability Lifesaver: All the Tools You Need to Understand Chance* (Princeton Lifesaver Study Guides). It gives you thrill reading journey, its open up your current eyes about the thing that will happened in the world which is probably can be happened around you. You can bring everywhere like in park, café, or even in your means home by train. When you are having difficulties in bringing the branded book maybe the form of *The Probability Lifesaver: All the Tools You Need to Understand Chance* (Princeton Lifesaver Study Guides) in e-book can be your alternate.

Christine Wormley:

Spent a free the perfect time to be fun activity to complete! A lot of people spent their leisure time with their family, or their very own friends. Usually they undertaking activity like watching television, going to beach,

or picnic in the park. They actually doing same every week. Do you feel it? Would you like to something different to fill your free time/ holiday? Might be reading a book may be option to fill your cost-free time/ holiday. The first thing that you ask may be what kinds of publication that you should read. If you want to test look for book, may be the guide untitled The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) can be very good book to read. May be it can be best activity to you.

Sharon Brogdon:

A number of people said that they feel bored stiff when they reading a book. They are directly felt this when they get a half elements of the book. You can choose the particular book The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) to make your own reading is interesting. Your own skill of reading expertise is developing when you such as reading. Try to choose basic book to make you enjoy to read it and mingle the opinion about book and looking at especially. It is to be 1st opinion for you to like to open up a book and learn it. Beside that the reserve The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) can to be a newly purchased friend when you're experience alone and confuse with the information must you're doing of these time.

Download and Read Online The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller #INUGEKRD8X9

Read The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller for online ebook

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller books to read online.

Online The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller ebook PDF download

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller Doc

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller Mobipocket

The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller EPub

INUGEKRD8X9: The Probability Lifesaver: All the Tools You Need to Understand Chance (Princeton Lifesaver Study Guides) By Steven J. Miller