



The Theory of Probability: Explorations and Applications

By Professor Santosh S. Venkatesh

Download now

Read Online 

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh

From classical foundations to advanced modern theory, this self-contained and comprehensive guide to probability weaves together mathematical proofs, historical context and richly detailed illustrative applications. A theorem discovery approach is used throughout, setting each proof within its historical setting and is accompanied by a consistent emphasis on elementary methods of proof. Each topic is presented in a modular framework, combining fundamental concepts with worked examples, problems and digressions which, although mathematically rigorous, require no specialised or advanced mathematical background. Augmenting this core material are over 80 richly embellished practical applications of probability theory, drawn from a broad spectrum of areas both classical and modern, each tailor-made to illustrate the magnificent scope of the formal results. Providing a solid grounding in practical probability, without sacrificing mathematical rigour or historical richness, this insightful book is a fascinating reference and essential resource, for all engineers, computer scientists and mathematicians.

 [Download The Theory of Probability: Explorations and Applic ...pdf](#)

 [Read Online The Theory of Probability: Explorations and Appl ...pdf](#)

The Theory of Probability: Explorations and Applications

By Professor Santosh S. Venkatesh

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh

From classical foundations to advanced modern theory, this self-contained and comprehensive guide to probability weaves together mathematical proofs, historical context and richly detailed illustrative applications. A theorem discovery approach is used throughout, setting each proof within its historical setting and is accompanied by a consistent emphasis on elementary methods of proof. Each topic is presented in a modular framework, combining fundamental concepts with worked examples, problems and digressions which, although mathematically rigorous, require no specialised or advanced mathematical background. Augmenting this core material are over 80 richly embellished practical applications of probability theory, drawn from a broad spectrum of areas both classical and modern, each tailor-made to illustrate the magnificent scope of the formal results. Providing a solid grounding in practical probability, without sacrificing mathematical rigour or historical richness, this insightful book is a fascinating reference and essential resource, for all engineers, computer scientists and mathematicians.

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh

Bibliography

- Sales Rank: #1122777 in Books
- Brand: Brand: Cambridge University Press
- Published on: 2012-12-17
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x 1.61" w x 6.85" l, .0 pounds
- Binding: Hardcover
- 827 pages



[Download The Theory of Probability: Explorations and Applic ...pdf](#)



[Read Online The Theory of Probability: Explorations and Appl ...pdf](#)

Download and Read Free Online The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh

Editorial Review

Review

"This is a remarkable book, a theory of probability that succeeds in being both readable and rigorous, both expository and entertaining. One might have thought that there was no space left in the market for books on the fundamentals of probability theory, but this volume provides a refreshing new approach ... it is a magnificent undertaking, impeccably presented, and one that is sure to reward repeated reading."

Tom Fanshawe, *Significance* (magazine of The Royal Statistical Society)

"... well-written, and although the topics are discussed with all mathematical rigour, it usually does not exceed the capabilities of an advanced undergraduate student ... it can be recommended without constraint as a textbook for advanced undergraduates, but also as a reference and interesting read for experts."

Manuel Vogel, *Contemporary Physics*

About the Author

Santosh S. Venkatesh is an Associate Professor of Electrical and Systems Engineering at the University of Pennsylvania, whose research interests include probability, information, communication and learning theory, pattern recognition, computational neuroscience, epidemiology and computer security. He is a member of the David Mahoney Institute for Neurological Sciences and has been awarded the Lindback Award for Distinguished Teaching.

Users Review

From reader reviews:

Walter Gagne:

The Theory of Probability: Explorations and Applications can be one of your beginner books that are good idea. All of us recommend that straight away because this e-book has good vocabulary that can increase your knowledge in language, easy to understand, bit entertaining however delivering the information. The article writer giving his/her effort to set every word into joy arrangement in writing The Theory of Probability: Explorations and Applications yet doesn't forget the main point, giving the reader the hottest as well as based confirm resource details that maybe you can be one of it. This great information may drawn you into completely new stage of crucial thinking.

Doris Seavey:

This The Theory of Probability: Explorations and Applications is great book for you because the content that is certainly full of information for you who also always deal with world and still have to make decision every minute. This particular book reveal it data accurately using great organize word or we can declare no rambling sentences within it. So if you are read the item hurriedly you can have whole data in it. Doesn't mean it only provides straight forward sentences but challenging core information with attractive delivering sentences. Having The Theory of Probability: Explorations and Applications in your hand like obtaining the world in your arm, information in it is not ridiculous one. We can say that no publication that offer you world in ten or fifteen tiny right but this reserve already do that. So , it is good reading book. Hello Mr. and

Mrs. occupied do you still doubt that will?

Bonnie Boyd:

In this time globalization it is important to someone to acquire information. The information will make a professional understand the condition of the world. The fitness of the world makes the information quicker to share. You can find a lot of references to get information example: internet, newspaper, book, and soon. You can view that now, a lot of publisher that print many kinds of book. Often the book that recommended to you is The Theory of Probability: Explorations and Applications this publication consist a lot of the information from the condition of this world now. That book was represented just how can the world has grown up. The terminology styles that writer value to explain it is easy to understand. Typically the writer made some analysis when he makes this book. That is why this book suitable all of you.

Charles Ginter:

Is it a person who having spare time in that case spend it whole day by means of watching television programs or just telling lies on the bed? Do you need something new? This The Theory of Probability: Explorations and Applications can be the respond to, oh how comes? The new book you know. You are therefore out of date, spending your spare time by reading in this completely new era is common not a nerd activity. So what these guides have than the others?

**Download and Read Online The Theory of Probability:
Explorations and Applications By Professor Santosh S. Venkatesh
#PM4GUB135NI**

Read The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh for online ebook

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh 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 Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh books to read online.

Online The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh ebook PDF download

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh Doc

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh Mobipocket

The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh EPub

PM4GUB135NI: The Theory of Probability: Explorations and Applications By Professor Santosh S. Venkatesh