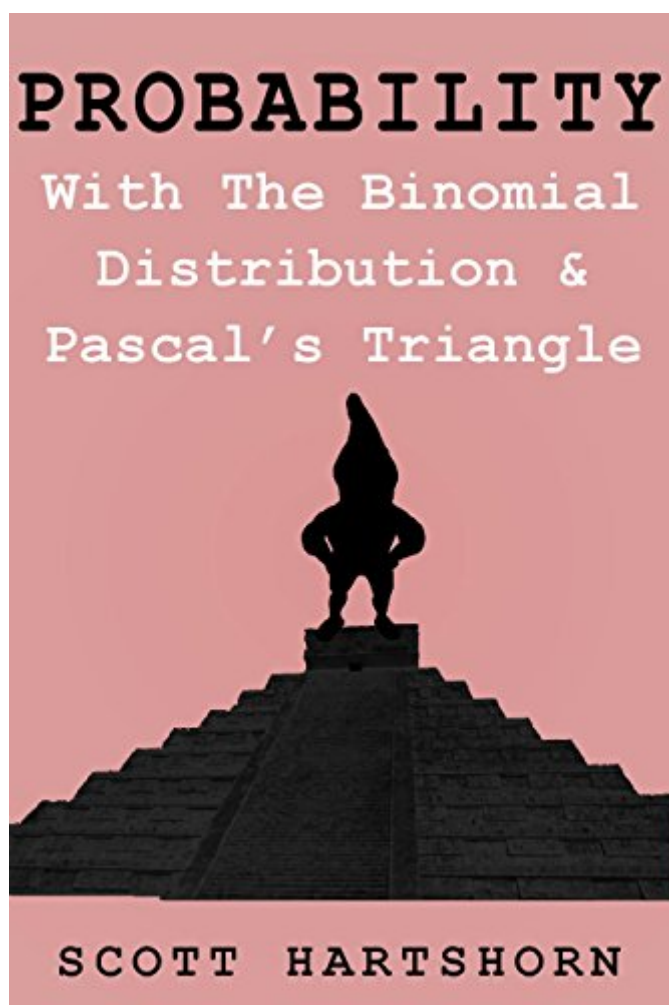


The book was found

Probability With The Binomial Distribution And Pascal's Triangle: A Key Idea In Statistics



Synopsis

What Is The Binomial Distribution?The binomial distribution is one of the key ideas in statistics. It calculates the probability of getting a certain number of an outcome, for instance you can use it to calculate the probability of rolling five 6's out of 20 dice rolled. The binomial distribution finds applications in things such as predicting outcomes from elections, in gambling, and even on the game "Plinko" on the television game show "The Price Is Right" How Is The Binomial Theorem Explained In This Book?This book walks through how the binomial distribution works in a step by step fashion, starting with some simple flips of a coin, and building up to examples that have uneven probability, and examples where you need to calculate the binomial coefficient over a range of numbers. I.e. to calculate the odds of winning at least 51 hands of blackjack out of 100 played. The first several examples are explained using Pascal's triangle, since it gives a good visualization of the probability of different binomial coefficients. Later problems give examples using the binomial equation, since it is more versatile. Other Key Topics In This Book Multinomial Equation - If you need to calculate the probability distribution for more than two events, you need the multinomial distribution, not the binomial distribution The Normal Approximation - The binomial distribution is great, but sometimes you need an answer with less calculation. This shows how to get a very good answer using the normal curve, provided you have a sufficient number of events

Book Information

File Size: 3051 KB

Print Length: 65 pages

Simultaneous Device Usage: Unlimited

Publication Date: January 5, 2017

Sold by: Digital Services LLC

Language: English

ASIN: B01N6NZVRS

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #47,024 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #4 in Kindle

Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Combinatorics
#9 in Books > Science & Math > Mathematics > Pure Mathematics > Combinatorics #18
in Kindle Store > Kindle Short Reads > Two hours or more (65-100 pages) > Science & Math

Customer Reviews

This is a better than average discussion of what the binomial distribution is and isn't. I would recommend reading all parts this to any educational level above middle school and many parts of it to middle school levels. It connects to basic statistics and the error function. It introduces extension to cases where more than two outcomes are possible. It is not rigorous or complete. It is well worth reading.

Very good. Easy to read and understand.

Scott Hartshorn provides a wonderful service in writing this book. It helps the reader gain an intuitive understanding of the Binomial Distribution; an approach not found in most classical texts.

Very interesting for beginners

Very clear explanation of the binomial distribution and how to use it.

This is the third book I've read by Mr. Hartshorn. He has a gift for being able to explain complex subjects in a way that the layman can understand. I also like the short format. This book took me about an hour to read. He gives you just enough to grasp the concepts, without overwhelming you with theory. I plan to read other books from this series soon.

A good primer for understanding the binomial distribution. An interesting approach using Pascal's Triangle. Not something you see in classic statistical texts. Many examples that are easy to follow and understand.

[Download to continue reading...](#)

Probability With The Binomial Distribution And Pascal's Triangle: A Key Idea In Statistics Statistics for People Who (Think They) Hate Statistics (Salkind, Statistics for People Who(Think They Hate Statistics(Without CD)) Quantum Probability (Probability and Mathematical Statistics) Matrix Algebra Useful for Statistics (Wiley Series in Probability and Statistics) Nora Roberts Key Trilogy CD

Collection: Key of Light, Key of Knowledge, Key of Valor Stochastic Calculus for Finance I: The Binomial Asset Pricing Model (Springer Finance) (v. 1) Probability: 2 Manuscripts â “ Probability with Permutations and Markov Models Christianity for Modern Pagans: PASCAL's Pensees Edited, Outlined, and Explained The Journal of a Tour to Corsica: And Memoirs of Pascal Paoli Pascal's Wager: The Man Who Played Dice with God Tulalip, From My Heart: An Autobiographical Account of a Reservation Community (Naomi B. Pascal Editor's Endowment) Introduction to Probability and Statistics: Principles and Applications for Engineering and the Computing Sciences Probability and Statistics for Engineering and the Sciences Probability and Statistics for Engineers and Scientists Probability and Statistics with Reliability, Queueing, and Computer Science Applications, 2nd Edition Probability and Statistics for Engineers and Scientists (9th Edition) Student Solutions Manual for Stewart/Day's Calculus for Life Sciences and Biocalculus: Calculus, Probability, and Statistics for the Life Sciences Introduction to Probability and Statistics for Engineers and Scientists, Fifth Edition Introduction to Probability and Statistics for Engineers and Scientists Fourier Series and Integrals (Probability and Mathematical Statistics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)