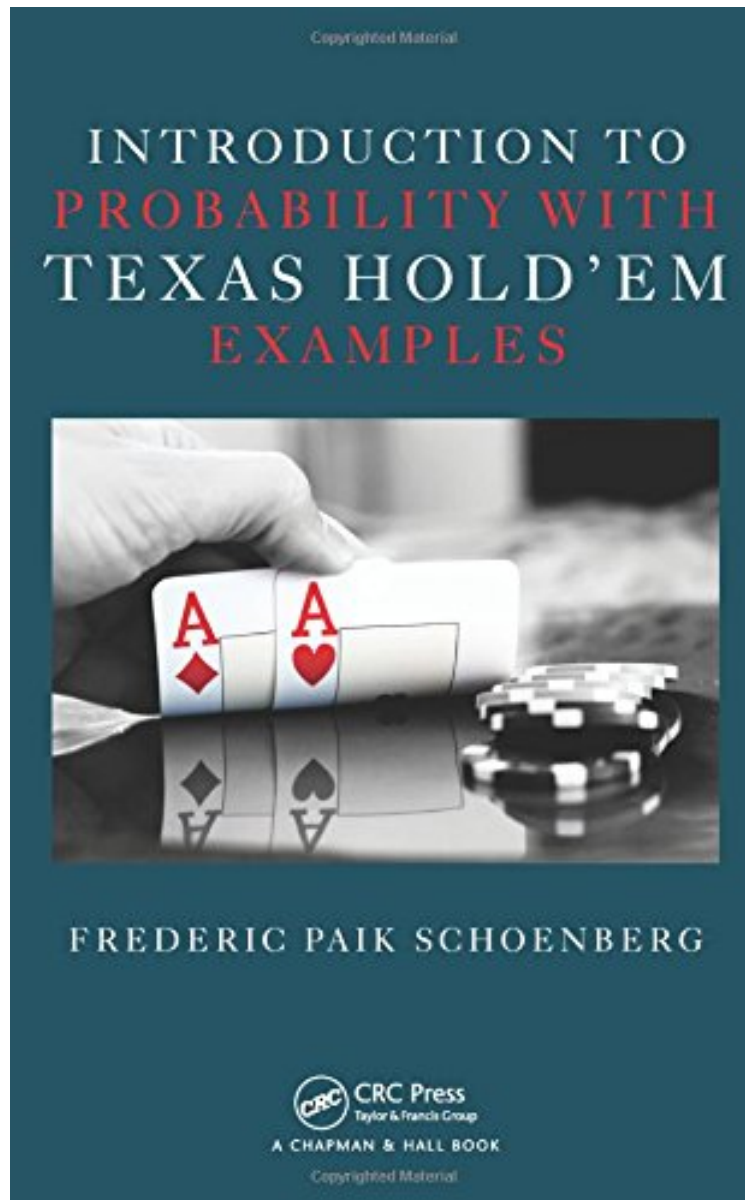


(Ebook pdf) Introduction to Probability with Texas Holdem Examples

## Introduction to Probability with Texas Holdem Examples

*Frederic Paik Schoenberg*

*ePub | \*DOC | audiobook | ebooks | Download PDF*



[Download](#)

[Read Online](#)

#360296 in Books Chapman and Hall/CRC 2011-12-07 Original language: English PDF # 1 .60 x 5.90 x 9.10l, .75 #File Name: 1439827680199 pages | File size: 68.Mb

**Frederic Paik Schoenberg : Introduction to Probability with Texas Holdem Examples** before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Probability with Texas Holdem Examples:

1 of 1 people found the following review helpful. Interesting examples and nice explanations. By Yuchen Cao A good

book illustrate basic probability theory using Poker examples. I am not a poker player but find it interesting learning probability with poker examples~ Better than those abstract examples. Some mistakes do happen in editing. Hope a newer version with these errors corrected will be come out soon. Nice book. 3 of 4 people found the following review helpful. good breakdown of probability concepts By Jevon Jaconi Enjoyed this book for the following reasons: 1) clear and unambiguous use of terminology w/ excellent explanations thereof; 2) discussed poker concepts and related them to probability in an elucidating manner; 3) touched upon advanced concepts and how they would apply, e.g., ballot theorem, etc. 0 of 3 people found the following review helpful. Extremely limited use for Kindle Edition - PC or Mac Only By Peter Mancini The contents of this book are great but why the hell is it only available for Kindle for Mac or PC and NOT cloud kindle, regular kindle? I mean, for the price, it should be much more widely available. I'm really unhappy with this situation and I hope the author and publisher agree to open this up for the other devices. \*\*Update\*\* I've read through a good portion of the book now and done the exercises. It's a fantastic book. I'm limited in how I can view it so I don't plan on giving it more stars until that is addressed. The book starts off with the three axioms of probability and some great examples. From there the book references back to those axioms to show how further concepts in probability are built from them. Sticking with the game of Texas Hold'em is a great tactic because the reader becomes intimately familiar with the game and isn't trying to switch gears into other domains for every example. I have found this to be extremely useful in building up the knowledge meant to be imparted by the book. I would say this book is worth 4 to 4.5 stars on content alone. The restricted format, though, has made it shockingly limited in what apps and devices can display it. For the price, the content is perfect. I just wish I didn't have to revive an old 15" laptop with an old version of Windows just to read it given I have Linux, Windows 8 and a 3rd generation Kindle...

Introduction to Probability with Texas Holdem Examples illustrates both standard and advanced probability topics using the popular poker game of Texas Holdem, rather than the typical balls in urns. The author uses students natural interest in poker to teach important concepts in probability. This classroom-tested book covers the main subjects of a standard undergraduate probability course, including basic probability rules, standard models for describing collections of data, and the laws of large numbers. It also discusses several more advanced topics, such as the ballot theorem, the arcsine law, and random walks, as well as some specialized poker issues, such as the quantification of luck and skill in Texas Holdem. Homework problems are provided at the end of each chapter. The author includes examples of actual hands of Texas Holdem from the World Series of Poker and other major tournaments and televised games. He also explains how to use R to simulate Texas Holdem tournaments for student projects. R functions for running the tournaments are freely available from CRAN (in a package called holdem). See Professor Schoenberg discuss the book.

" quite entertaining and fun to read. I had a very good time reading this book as a teacher this is definitely a book I would recommend as a pleasant introduction to the world of probability theory." Julien Sohier, CHANCE, June 2013 "The students will need to understand and have some familiarity with the rules and play of Texas Holdem. Subject to that, this provides a refreshing new introduction to the subject matter. It is certainly worth considering for your next years intake of students." David J. Hand, International Statistical (2013), 81, 2 "Recent trends in probability and statistics reference works and textbooks include placing a greater emphasis on authentic problems and data. To this end, Schoenberg (UCLA) avoids the traditional "balls in an urn" approach to probability, and interestingly ties basic probability theory to Texas holdem poker. The content is challenging but thorough, and the reader needs to think through the poker realities as well as the related probability theory. Introductory chapters stress basic principles of counting, permutations, combinations, and conditional probabilities, but inevitably tie back to Texas holdem hands. Many of the examples are based on actual tournament results, making the resulting discussions even more authentic. Given the discrete nature of poker hands, it was interesting to see the author tackle continuous data by investigating wait times between eliminations, again maintaining the Texas holdem theme. More advanced topics show bluffing tied to the Poisson distribution and late player arrival to exponential random variables. Ultimately, the book provides heavily theoretic coverage and calculus-based support of various distributions, but the link to poker is never abandoned. Includes a helpful glossary of Texas holdem terminology. Summing Up: Recommended. Upper-division undergraduates, faculty, and informed general readers." CHOICE Magazine JUNE 2012 "it is the laserlike focus of the examples and exercises that sets this book apart from other probability textbooks at this level. The book is incredibly well-researched examples are drawn from actual televised poker games, and many explorations of the probabilities in play in a given game situation conclude with a sentence about what really happened, which is a nice touch." Mark Bollman, MAA s, February 2012 About the Author Frederic Paik Schoenberg is a professor and graduate vice-chair of statistics at UCLA. He is also co-editor of the Journal of Environmental Statistics. He earned a Ph.D. in statistics from UC Berkeley. His research interests include point processes, image analysis, time series, and applications in seismology and fire ecology.