



Probability and Statistics for Computer Science

By James L. Johnson

[Download now](#)

[Read Online](#) 

Probability and Statistics for Computer Science By James L. Johnson

Comprehensive and thorough development of both probability and statistics for serious computer scientists; goal-oriented: "to present the mathematical analysis underlying probability results"

Special emphases on simulation and discrete decision theory

Mathematically-rich, but self-contained text, at a gentle pace

Review of calculus and linear algebra in an appendix

Mathematical interludes (in each chapter) which examine mathematical techniques in the context of probabilistic or statistical importance

Numerous section exercises, summaries, historical notes, and Further Readings for reinforcement of content

 [Download Probability and Statistics for Computer Science ...pdf](#)

 [Read Online Probability and Statistics for Computer Science ...pdf](#)

Probability and Statistics for Computer Science

By James L. Johnson

Probability and Statistics for Computer Science By James L. Johnson

Comprehensive and thorough development of both probability and statistics for serious computer scientists; goal-oriented: "to present the mathematical analysis underlying probability results"

Special emphases on simulation and discrete decision theory

Mathematically-rich, but self-contained text, at a gentle pace

Review of calculus and linear algebra in an appendix

Mathematical interludes (in each chapter) which examine mathematical techniques in the context of probabilistic or statistical importance

Numerous section exercises, summaries, historical notes, and Further Readings for reinforcement of content

Probability and Statistics for Computer Science By James L. Johnson Bibliography

- Sales Rank: #1211811 in Books
- Published on: 2003-07-22
- Original language: English
- Number of items: 1
- Dimensions: 9.67" h x 1.59" w x 6.38" l, 2.60 pounds
- Binding: Hardcover
- 760 pages



[Download Probability and Statistics for Computer Science ...pdf](#)



[Read Online Probability and Statistics for Computer Science ...pdf](#)

Download and Read Free Online Probability and Statistics for Computer Science By James L. Johnson

Editorial Review

Review

"This text will fill a gap in the education of a sophisticated computer science student who has a firm base in mathematics and statistics." (*Computing Reviews*, May 7, 2009)

"...this textbook would be ideal." (*The American Statistician*, February 2006)

"This is really a statistics textbook written explicitly for undergraduate computer science majors...I found the numerous examples of the use of statistics within the field of computer science extremely informative." (*Technometrics*, November 2004)

"Thorough, in-depth, relatively complete and rigorous introduction to the statistics a CS professional should know." (*American Mathematical Monthly*, August 2004)

"This is a rigorous introductory text in probability and statistics, which also develops in a rigorous fashion all the necessary supporting mathematics beyond calculus and algebra." (*Mathematical Reviews*, issue 2004i)

"...one-of-a-kind resource...proves an ideal resource for computer science students and practitioners interested in a probability study..." (*Zentralblatt Math*, Vol. 1027, 2004)

"...presents introductory topics in probability and statistics with particular emphasis on concepts that arise in computer science...disguised also by the feature that it develops all necessary supporting mathematics in a thorough and rigorous fashion." (*Quarterly of Applied Mathematics*, Vol. LXI, No. 4, December 2003)

From the Back Cover

A unique probability study for computer science students

While many computer science curricula include only an introductory course on general probability, there is a recognized need for further study of this mathematical discipline within the specific context of computer science. *Probability and Statistics for Computer Science* develops introductory topics in probability with this particular emphasis, providing computer science students with an invaluable resource in their continued studies and professional research.

James Johnson's text begins with the basic definitions of probability distributions and random variables and then elaborates their properties and applications. *Probability and Statistics for Computer Science* treats the most common discrete and continuous distributions, showing how they find use in decision and estimation problems, and constructs computer algorithms for generating observations from the various distributions. This one-of-a-kind resource also:

- Includes a thorough and rigorous development of all the necessary supporting mathematics
- Provides an opportunity to reconnect applications with the theoretical concepts of distributions introduced in prerequisite courses
- Gathers supporting topics in an appendix: set theory, limit processes, real number structure, Riemann-Stieltjes integrals, matrix transformation, and determinants
- Uses computer science examples from computer science such as client-server performance evaluation and

image processing

The author also addresses a variety of supporting topics, such as estimation arguments with limits, properties of power series, and Markov processes. Johnson's text proves an ideal resource for computer science students and practitioners interested in a probability study specific to their field.

About the Author

JAMES L. JOHNSON holds a PhD in Mathematics and has twenty-five years experience in academic and industrial computer science. He is currently Professor of Computer Science at Western Washington University. He is also the author of Database: Models, Languages, Design.

Users Review

From reader reviews:

Corey Valenzuela:

What do you with regards to book? It is not important along? Or just adding material when you really need something to explain what the ones you have problem? How about your time? Or are you busy man? If you don't have spare time to perform others business, it is make you feel bored faster. And you have free time? What did you do? All people has many questions above. They should answer that question due to the fact just their can do which. It said that about book. Book is familiar on every person. Yes, it is appropriate. Because start from on guardería until university need this particular Probability and Statistics for Computer Science to read.

Daniel Soderquist:

Reading a reserve can be one of a lot of action that everyone in the world loves. Do you like reading book thus. There are a lot of reasons why people enjoyed. First reading a reserve will give you a lot of new facts. When you read a reserve you will get new information since book is one of several ways to share the information or their idea. Second, reading through a book will make you actually more imaginative. When you reading through a book especially fiction book the author will bring you to definitely imagine the story how the personas do it anything. Third, it is possible to share your knowledge to others. When you read this Probability and Statistics for Computer Science, you may tells your family, friends and also soon about yours book. Your knowledge can inspire others, make them reading a guide.

Richard Holeman:

Probability and Statistics for Computer Science can be one of your beginner books that are good idea. Many of us recommend that straight away because this e-book has good vocabulary which could increase your knowledge in language, easy to understand, bit entertaining but nevertheless delivering the information. The copy writer giving his/her effort that will put every word into joy arrangement in writing Probability and Statistics for Computer Science yet doesn't forget the main place, giving the reader the hottest and based confirm resource facts that maybe you can be among it. This great information may drawn you into brand new stage of crucial pondering.

Carrie Wilson:

In this period globalization it is important to someone to obtain information. The information will make professionals understand the condition of the world. The health of the world makes the information easier to share. You can find a lot of sources to get information example: internet, magazine, book, and soon. You can view that now, a lot of publisher this print many kinds of book. The actual book that recommended to your account is Probability and Statistics for Computer Science this book consist a lot of the information with the condition of this world now. This book was represented so why is the world has grown up. The language styles that writer use to explain it is easy to understand. Often the writer made some research when he makes this book. This is why this book appropriate all of you.

Download and Read Online Probability and Statistics for Computer Science By James L. Johnson #JW12MKG4CA6

Read Probability and Statistics for Computer Science By James L. Johnson for online ebook

Probability and Statistics for Computer Science By James L. Johnson 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 Probability and Statistics for Computer Science By James L. Johnson books to read online.

Online Probability and Statistics for Computer Science By James L. Johnson ebook PDF download

Probability and Statistics for Computer Science By James L. Johnson Doc

Probability and Statistics for Computer Science By James L. Johnson MobiPocket

Probability and Statistics for Computer Science By James L. Johnson EPub

JW12MKG4CA6: Probability and Statistics for Computer Science By James L. Johnson