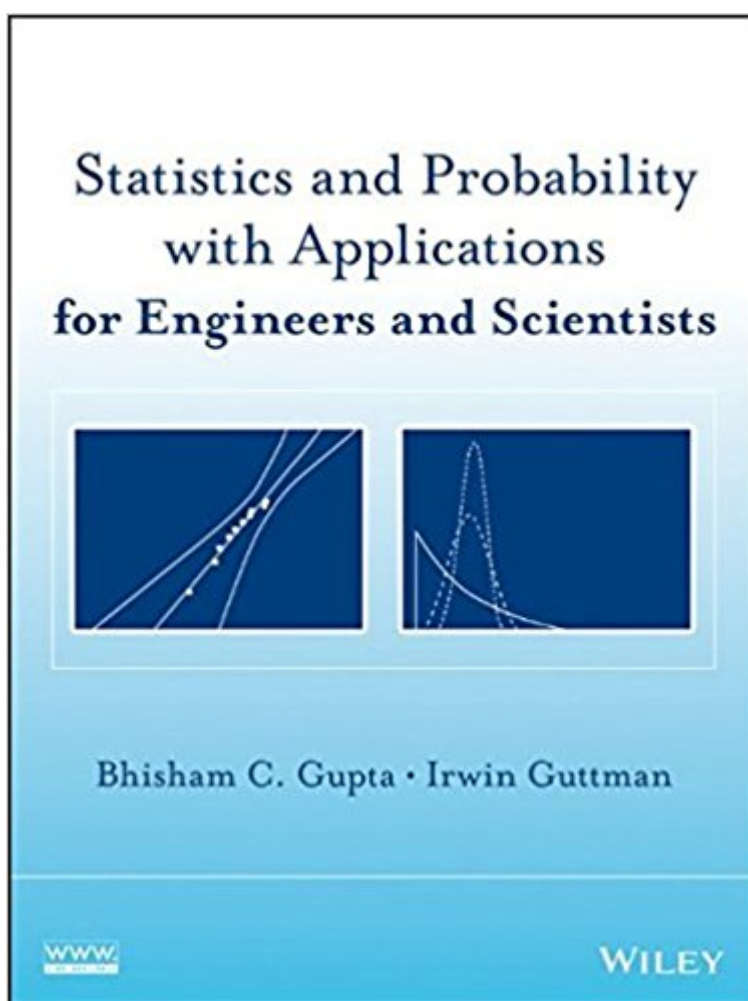


The book was found

# Statistics And Probability With Applications For Engineers And Scientists



## Synopsis

Introducing the tools of statistics and probability from the ground up. An understanding of statistical tools is essential for engineers and scientists who often need to deal with data analysis over the course of their work. *Statistics and Probability with Applications for Engineers and Scientists* walks readers through a wide range of popular statistical techniques, explaining step-by-step how to generate, analyze, and interpret data for diverse applications in engineering and the natural sciences. Unique among books of this kind, *Statistics and Probability with Applications for Engineers and Scientists* covers descriptive statistics first, then goes on to discuss the fundamentals of probability theory. Along with case studies, examples, and real-world data sets, the book incorporates clear instructions on how to use the statistical packages Minitab<sup>®</sup> and Microsoft<sup>®</sup> Office Excel<sup>®</sup> to analyze various data sets. The book also features:

- Detailed discussions on sampling distributions, statistical estimation of population parameters, hypothesis testing, reliability theory, statistical quality control including Phase I and Phase II control charts, and process capability indices
- A clear presentation of nonparametric methods and simple and multiple linear regression methods, as well as a brief discussion on logistic regression method
- Comprehensive guidance on the design of experiments, including randomized block designs, one- and two-way layout designs, Latin square designs, random effects and mixed effects models, factorial and fractional factorial designs, and response surface methodology
- A companion website containing data sets for Minitab and Microsoft Office Excel, as well as JMP<sup>®</sup> routines and results

Assuming no background in probability and statistics, *Statistics and Probability with Applications for Engineers and Scientists* features a unique, yet tried-and-true, approach that is ideal for all undergraduate students as well as statistical practitioners who analyze and illustrate real-world data in engineering and the natural sciences.

## Book Information

Hardcover: 896 pages

Publisher: Wiley; 1 edition (April 29, 2013)

Language: English

ISBN-10: 1118464044

ISBN-13: 978-1118464045

Product Dimensions: 8.3 x 1.8 x 10.3 inches

Shipping Weight: 4.4 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars 3 customer reviews

Best Sellers Rank: #117,533 in Books (See Top 100 in Books) #88 in Books > Textbooks > Engineering > Industrial Engineering #468 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems #542 in Books > Textbooks > Science & Mathematics > Mathematics > Statistics

## Customer Reviews

“Considering the size and wealth of information that the book is providing for a one- or two-semester undergraduate course sequence, it is indeed reasonably priced and should be a strong candidate for serious consideration of a softcover edition in the course of time.” (Journal of Statistical Theory and Practice, 10 February 2014)

Introducing the tools of statistics and probability from the ground up An understanding of statistical tools is essential for engineers and scientists who often need to deal with data analysis over the course of their work. *Statistics and Probability with Applications for Engineers and Scientists* walks readers through a wide range of popular statistical techniques, explaining step-by-step how to generate, analyze, and interpret data for diverse applications in engineering and the natural sciences. Unique among books of this kind, *Statistics and Probability with Applications for Engineers and Scientists* covers descriptive statistics first, then goes on to discuss the fundamentals of probability theory. Along with case studies, examples, and real-world data sets, the book incorporates clear instructions on how to use the statistical packages Minitab® and Microsoft® Office Excel® to analyze various data sets. The book also features: Detailed discussions on sampling distributions, statistical estimation of population parameters, hypothesis testing, reliability theory, statistical quality control including Phase I and Phase II control charts, and process capability indices A clear presentation of nonparametric methods and simple and multiple linear regression methods, as well as a brief discussion on logistic regression method Comprehensive guidance on the design of experiments, including randomized block designs, one- and two-way layout designs, Latin square designs, random effects and mixed effects models, factorial and fractional factorial designs, and response surface methodology A companion website containing data sets for all Minitab and Microsoft Office Excel, as well as JMP® routines and results Assuming no background in probability and statistics, *Statistics and Probability with Applications for Engineers and Scientists* features a unique, yet tried-and-true, approach that is ideal for all undergraduate students as well as statistical practitioners who analyze and illustrate real-world data in engineering and the natural sciences.

Any day, i was searching a statistical book, and i found it, i liked at the firts time.In spite of it was very difficult to get the data set from the Wiley editorial.Nowadays i am using it very oftenThanks for trust on me and sending it.Sincerely,Jaime Zamora Alvarado.August 4, 2013

In this book, the author said that readers can download ppt files of his lectures and solves for all exercises but I couldn't found them. I only download some other parts of them. It means that he didn't respect his readers.

Good content, appropriate for folks with scientific or engineering backgrounds. There are lots of equations, as there should be, but there are also good explanations to accompany the equations. Covers statistics and probability. I found it a great single book to have on this topic.I would have given this book 4 stars, but the Kindle formatting is poor (Kindle PC App and Kindle iPad App). The equations are kind of readable, but the overall formatting isn't nearly as nice as the print version. Authors: why don't you go through the trouble to format your Kindle books appropriately? It can be done, and there are lots of examples where a Kindle science or math book is as good as the print version. Its wrong that people have to buy heavy and expensive print books when a good Kindle book would be better.

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

Statistics and Probability with Applications for Engineers and Scientists Probability and Statistics for Engineers and Scientists Probability and Statistics for Engineers and Scientists (9th Edition) Introduction to Probability and Statistics for Engineers and Scientists, Fifth Edition Introduction to Probability and Statistics for Engineers and Scientists Physics for Scientists and Engineers: Vol. 2: Electricity and Magnetism, Light (Physics, for Scientists & Engineers, Chapters 22-35) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) 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) Applied Statistics and Probability for Engineers, 6th Edition Applied Statistics and Probability for Engineers Matrix Algebra Useful for Statistics (Wiley Series in Probability and Statistics) Advice to Rocket Scientists: A Career Survival Guide for Scientists and Engineers (Library of Flight) Applied Statistics for Engineers and Scientists Statistics for Engineers and Scientists Principles of Statistics for Engineers and Scientists Introduction to Probability and Statistics: Principles and Applications for Engineering and the Computing Sciences Probability and

Statistics with Reliability, Queueing, and Computer Science Applications, 2nd Edition Essentials of Neurophysiology: Basic Concepts and Clinical Applications for Scientists and Engineers (Series in Biomedical Engineering) The Boundary Element Method for Engineers and Scientists, Second Edition: Theory and Applications

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)