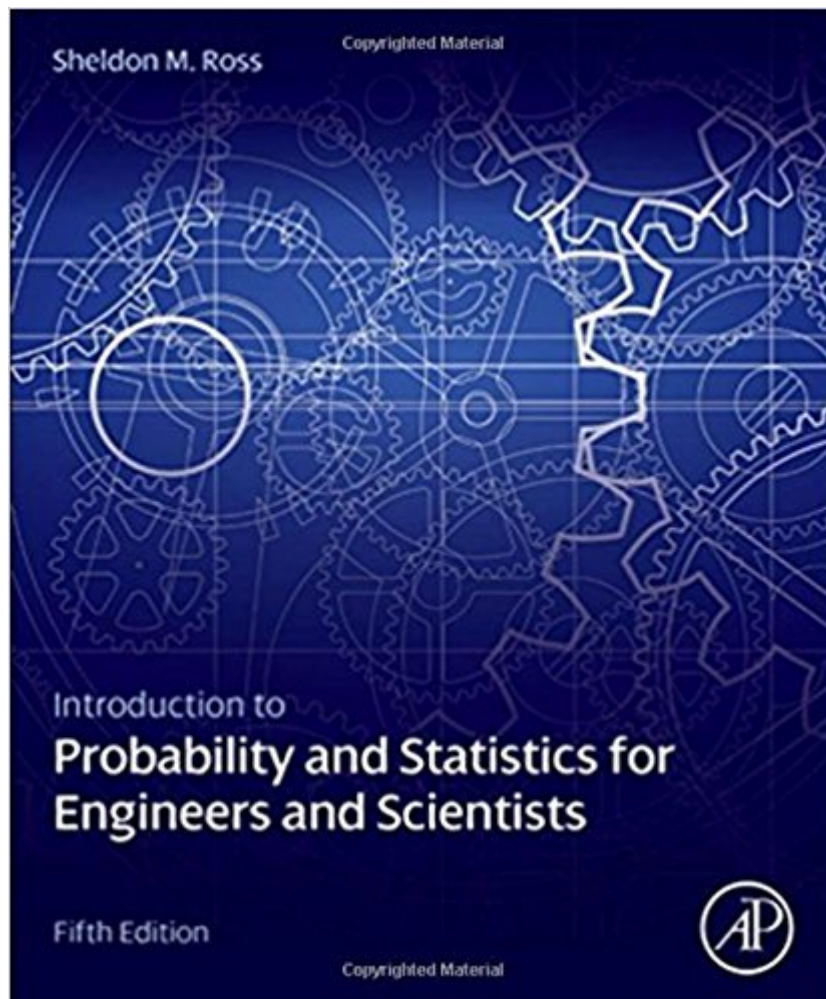# Introduction To Probability And Statistics For Engineers And Scientists, Fifth Edition

Synopsis

Introduction to Probability and Statistics for Engineers and Scientists provides a superior introduction to applied probability and statistics for engineering or science majors. Ross emphasizes the manner in which probability yields insight into statistical problems; ultimately resulting in an intuitive understanding of the statistical procedures most often used by practicing engineers and scientists. Real data sets are incorporated in a wide variety of exercises and examples throughout the book, and this emphasis on data motivates the probability coverage. As with the previous editions, Ross' text has tremendously clear exposition, plus real-data examples and exercises throughout the text. Numerous exercises, examples, and applications connect probability theory to everyday statistical problems and situations. Clear exposition by a renowned expert authorReal data examples that use significant real data from actual studies across life science, engineering, computing and businessEnd of Chapter review material that emphasizes key ideas as well as the risks associated with practical application of the material25% New Updated problem sets and applications, that demonstrate updated applications to engineering as well as biological, physical and computer scienceNew additions to proofs in the estimation sectionNew coverage of Pareto and lognormal distributions, prediction intervals, use of dummy variables in multiple regression models, and testing equality of multiple population distributions.

Book Information

Hardcover: 686 pages

Publisher: Academic Press; 5 edition (August 28, 2014)

Language: English

ISBN-10: 0123948118

ISBN-13: 978-0123948113

Product Dimensions: 7.8 x 1.5 x 9.3 inches

Shipping Weight: 3.8 pounds (View shipping rates and policies)

Average Customer Review: 3.3 out of 5 starsÂ Â See all reviewsÂ (6 customer reviews)

Best Sellers Rank: #163,829 in Books (See Top 100 in Books)   #8 inÂ Books > Science & Math > Mathematics > Applied > Stochastic Modeling   #476 inÂ Books > Textbooks > Science & Mathematics > Mathematics > Statistics   #706 inÂ Books > Science & Math > Mathematics > Applied > Probability & Statistics

Customer Reviews

"Introduction" to Probability and Statistics. Don't you believe it. This book is not for those who have

not had any exposure to probability and statistics. Like a lot of upper division mathematical textbooks it is written in almost pure "Mathenese" with a lot of implied teaching and assumptions that you already know the basics. This book is fine for a math major nearing the completion of their degree but definitely NOT the green horn statistician. If you looking for an introduction look elsewhere.

This textbook is by far the worst textbook I ever used in college. The text is almost entirely just words in paragraphs rather than examples with guided headings. There are no solutions to any of the homework problems. And some of the homework problems make you refer to data sets from previous chapters. Trying to learn from this book is not possible.Also I rented this book and I sent it back a week before it was due, it was sent back to me two weeks later and I was charged a late fee.

Good prob and Stat book. Requires reading to understand concepts. Can not just read though pictures, charts, and equations.

Introduction to Probability and Statistics for Engineers and Scientists, Fifth Edition Statistics for People Who (Think They) Hate Statistics (Salkind, Statistics for People Who(Think They Hate Statistics(Without CD)) Matrices With Applications in Statistics (Wadsworth statistics/probability series) Data Analysis & Statistics (Mathematical Analysis for Scientists & Engineers Book 5) Essential MATLAB for Engineers and Scientists, Fifth Edition Schaum's Outline of Introduction to Probability and Statistics (Schaum's Outlines) Elementary Stochastic Calculus With Finance in View (Advanced Series on Statistical Science & Applied Probability, Vol 6) (Advanced Series on Statistical Science and Applied Probability) Feedback Systems: An Introduction for Scientists and Engineers C++ for Engineers and Scientists (Introduction to Programming) MATLAB - Programming with MATLAB for Beginners - A Practical Introduction to Programming and Problem Solving (Matlab for Engineers, MATLAB for Scientists, Matlab Programming for Dummies) Turbulence: An Introduction for Scientists and Engineers Engineering Uncertainty and Risk Analysis, Second Edition: A Balanced Approach to Probability, Statistics, Stochastic Models, and Stochastic Differential Equations Schaum's Outline: Probability and Statistics, Second Edition An Introduction to Statistics with Python: With Applications in the Life Sciences (Statistics and Computing) Student Solutions Manual for Stewart/Day's Calculus for Life Sciences and Biocalculus: Calculus, Probability, and Statistics for the Life Sciences Uncertainty: The Soul of Modeling, Probability & Statistics STEM Through the Months - Back to School Edition: for Budding Scientists, Engineers,

Mathematicians, Makers and Poets Fisica para ciencias e ingenieria/ Physics For Scientists And Engineers (Spanish Edition) Physics for Scientists and Engineers, Technology Update, Hybrid Edition (with Enhanced WebAssign Multi-Term LOE Printed Access Card for Physics) Physics for Scientists & Engineers with Modern Physics (4th Edition)