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Probability And Statistics For Engineers And Scientists

Synopsis

PROBABILITY AND STATISTICS FOR ENGINEERS AND SCIENTISTS, Fourth Edition, continues the approach that has made previous editions successful. As a teacher and researcher at a premier engineering school, author Tony Hayter is in touch with engineers daily--and understands their vocabulary. The result of this familiarity with the professional community is a clear and readable writing style that readers understand and appreciate, as well as high-interest, relevant examples and data sets that hold readers' attention. A flexible approach to the use of computer tools includes tips for using various software packages as well as computer output (using MINITAB and other programs) that offers practice in interpreting output. Extensive use of examples and data sets illustrates the importance of statistical data collection and analysis for students in a variety of engineering areas as well as for students in physics, chemistry, computing, biology, management, and mathematics.

Book Information

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Customer Reviews

Book received promptly and in perfect condition.Text presented a tough subject in a fine way.CD examples are useful.Highly recommended if online tools aren't enough and you want a real book in hand.

book seems informative enough to get through the class, but at its current price it almost doesnt seem to be a good value. The only apparent difference i have found betwixt this one and the previous edition is the inclusion of 2-4 new problems at the end of each section. wouldnt be a

problem if the teacher in your class didnt assign those problems...

I used this book when i was at GATech and the author was my professor. The book is nice. Especially with the examples that being reuse and modified according to the topic allows us to see the sequence of it and easier to differentiate between the different methods.

The content is ok, but the format is incredibly horrible. Example problems/scenarios continue from section to section, but the initial data doesn't carry through... So if you want to understand a specific example, you're going to have to read a bit, flip some pages, read a bit, flip, etc. Some of the math seen in the examples is very hard to follow; in between a step, he'll do some extremely obtuse hand-wavy transformation and there's no explanation. He seems to assume that if a concept's been mentioned once earlier in the textbook, the reader is now an expert on it, and there will be no need to refer back to that concept. He forces you to read in chronological order and assumes you have a photographic memory.I'm an upper division engineering student with multiple Dean's List appearances and this is by far the worst technical textbook I've been assigned. It makes me want to go post 5-star reviews on every other textbook I have simply because they're not this book.

Let me start by saying that I am an engineering student, and I absolutely loath reading textbooks! However, our lectures were worthless in the class that required this textbook, so I decided to only read the book and do the problems. This textbook is phenomenal: I love it's layout with short sections, followed by examples, followed by problems. Formulas are boxed in a different color (so easy to find quickly), and contain short refresher explanations for how to use them on the fly. This is the only textbook I've ever come across that I can honestly say was even tolerable, and again, it is fantastic!

This book is not designed for people who are starting to learn statistics or probability. Use this book ONLY if you have undergraduate degree in mathematics or engineering (just like the book says). You NEED to have calculus background in order to understand some portions of the book. There are a number of reasons why I don't personally like this book.1) Examples cited jump around a lot. There really needs to be a central example library instead of searching through the whole book looking for the example. For example, it would say "Example 38" and talk about how to do a calculation for the chapter but in order to find the data on Example 38, you would have to search another chapter or another part of the book. Why make it so difficult to find the example? Make it

easy to access. Don't make me waste my time searching through the whole book, looking for the data on Examples.2) Index is very poorly designed, if not useless. You have to search for a topic in a number of ways to find anything. It is too limited.3) Calculations are not fully spelled out. For example, Hayter makes too many assumptions. For example, you cannot skip around to cover different topics because if you do, you wouldn't understand how he obtained the answer. I don't understand why he didn't spell out everything or omits steps and gets right to the answer. To me, process is more important than the answer.4) Talking about answers, Study Guide is also very useless in my opinion. It only gives you the answer and does not tell you how you get it. What's the use of having the study guide if it doesn't tell you how you got the answer? It was waste of money to buy the study guide.I believe there are a lot of great books on probability and statistics. In my opinion, this is NOT one of them.

I don't like how this author presents the material in the book. It makes the material hard to understand. Most of the time you have to flip back to previous questions/examples to understand new material. I'm guessing this wouldn't be a problem if I had a digital copy of this book. Nonetheless I still don't like how the material is explained or presented. This book made me hate the subject.

I have only started reading this text. What I have seen is that this book is very easy to understand, contains many examples, and has very reasonable problems. Additionally, answers to the odd numbered problems are provided;which is great as you can check your understanding. What is really neat, is the text has a practical case study that is developed as the chapters develop. A student solutions manual is also available to students which is a definite plus. All in all, a great textbook on the subject.

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