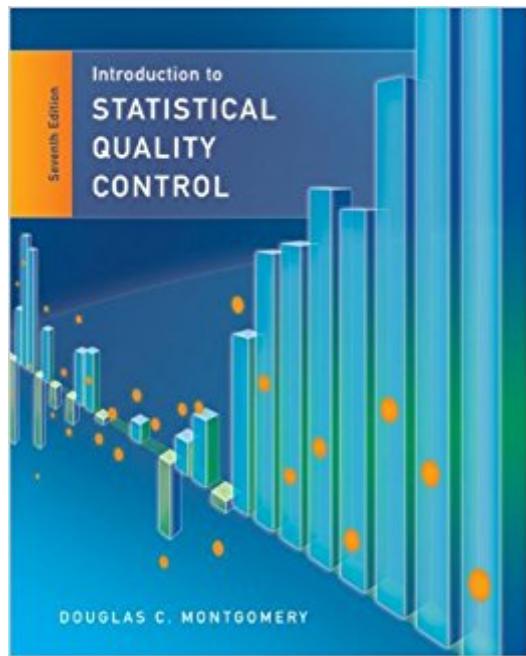The book was found

Statistical Quality Control, 7th Edition

Synopsis

The Seventh Edition of Introduction to Statistical Quality Control provides a comprehensive treatment of the major aspects of using statistical methodology for quality control and improvement. Â Both traditional and modern methods are presented, including state-of-the-art techniques for statistical process monitoring and control and statistically designed experiments for process characterization, optimization, and process robustness studies. Â The seventh edition continues to focus on DMAIC (define, measure, analyze, improve, and control--the problem-solving strategy of six sigma) including a chapter on the implementation process. Â Additionally, the text includes new examples, exercises, problems, and techniques. Â Statistical Quality Control Â is best suited for upper-division students in engineering, statistics, business and management science or students in graduate courses.

Book Information

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Customer Reviews

This is a very solid book for learning about making sure a process is in control. While all the applications are with regards to manufacturing processes, every single thing in this book can be

applied to any form of data analysis since that's really what quality control is at its heart: you measure data, you determine from said data if things are all right. There are a lot things done right with this book: the examples given are very in-depth, guaranteeing your understanding if you read them and don't just skim through the numbers to get the answers with the right calculations, the explanations on DMAIC and other various terms are given great care, and problems and questions are varied to give a solid understanding of the field. Finally, while a basic statistical background is assumed, Montgomery will walk you through exactly what you need for the rest of this book in two dedicated chapters.However, there are several problems. First, the examples themselves are not varied at all. You'll go through quite a lot of modifications and variations of an idea (especially in the control charts chapters), but the examples just stick to the basics. Also, other examples are "hidden in the text," so they're mixed in with the paragraph style. He'll also work out more than one problem that requires use of tables outside the range of what the tables in the book provide; that might be fine at an upper level, but this is such a lower level textbook you're bound to have several students who aren't totally used to looking up values in statistical tables and using them correctly to understand where some values come from if they're not on the tables.Otherwise, the book is solid. It's not theoretical, it's not meant to be--it was good enough for me to purchase a copy of and keep on my shelves because of how thorough WHY things are done the way they are done is explained, and I would recommend it to anyone to keep as a reference if they do this kind of work.

I am getting an undergrad in stats and have found that most of the stats courses offered through the math department at my university are geared either towards mathematicians (heavy on the proofs) or engineers/scientists with very little emphasis given to applying stats to business problems. On the other hand the applied stats courses offered through the business school are not nearly adequate in developing the underlying theory of either probability or statistical inference. This is an excellent book that bridges the space between business applications and mathematical statistics. I would highly recommend it to someone coming from either end of the spectrum (math vs. business).

Good quality statistics textbook, but I ended up using it primarily for the chapter problems (required by my course) and didn't do much actual reading of the textbook and was still successful in learning the material... likely due to the format of the class/ how my instructor presented the material.Equations and concepts were easy to find (straightforward formatting of the content) and I have no doubt that I could have learned solely from the book had I chosen to do so. Can definitely see myself referring back to this book for statistics/ quality "refreshers" in the future!

One of the better quality statistics books out there. Gets very in depth. You'll need a good instructor to guide you toward pragmatic solutions to some of this...

This book was a syllabus requirement for my statistics class. Statistics has never been a pleasure subject for me in high school or with my undergrad, but this book was easy to understand and learn from. It is already hard to learn and have great instruction with a semester program that is taught 100% online, so this book has helped me learn more about statistics with my own reading and comprehension of the subject matters in the book. There are examples in each chapter and some additional online teachings available with the book. I definitely recommend it for any statistics course.

Hard to say I "like" a textbook....But as textbooks go the....quality...of this one is quite nice.

Easy to understand

Very heavy on the math! Since I have an engineering background, it's fine. If you want to learn the concepts look elsewhere. In my case it was a textbook for a graduate level course and the professor supplied the additional information needed. If you're educating yourself choose another book.

Statistical Quality Control, 7th Edition Statistical Quality Control Basic QC Practices: Training in Statistical Quality Control for Medical Laboratories Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) NLP: Neuro Linguistic Programming: Re-program your control over emotions and behavior, Mind Control - 3rd Edition (Hypnosis, Meditation, Zen, Self-Hypnosis, Mind Control, CBT) NLP: Persuasive Language Hacks: Instant Social Influence With Subliminal Thought Control and Neuro Linguistic Programming (NLP, Mind Control, Social Influence, ... Thought Control, Hypnosis, Communication) Quality Management for Organizational Excellence: Introduction to Total Quality (8th Edition) Quality Caring in Nursing and Health Systems: Implications for Clinicians, Educators, and Leaders, 2nd Edition (Duffy, Quality Caring in Nursing) ISO 10005:2005, Quality management systems - Guidelines for quality plans Quality Through Collaboration: The Future of Rural Health (Quality Chasm) Computed Tomography: Physical Principles, Clinical Applications, and Quality Control, 3e (CONTEMPORARY IMAGING

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