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# Lean Six Sigma And Minitab (4th Edition): The Complete Toolbox Guide For Business Improvement



## Synopsis

**\*\*Fourth Edition: Updated for Minitab 17, more Lean tools, improved graphics\*\*** The Lean Six Sigma and Minitab guide explains Lean Six Sigma in a down-to-earth and practical format, and provides detailed Minitab instructions and screenshots throughout. Now in its 4th edition with over 100,000 copies sold, this Lean Six Sigma guide is firmly established as the practical guide for business improvement professionals worldwide. The guide includes: - Over 135 Lean Six Sigma tools and techniques. - Logical routemaps through the Six Sigma DMAIC flow. - Detailed Minitab instructions and screenshots. - Clear diagrams and explanations. - Easy-to-navigate format with DMAIC tabs. - Interactive examples with free data files and templates. Who should use this book? - Lean Six Sigma trainees. - Improvement practitioners delivering real life Six Sigma projects. - Project Sponsors overseeing Six Sigma projects. - Senior managers requiring an introduction to Lean and Six Sigma.

## Book Information

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## Customer Reviews

It's refreshing to see a book aimed for those actually using the tools and techniques of Six Sigma. -- Six Sigma Today Magazine, Volume 1, Issue 3, 2004 Not only useful for SS practitioners but also for anyone involved in quality management, as well as for academic students. -- The TQM Magazine, Volume 17 Issue 1, 2005 -- This text refers to an out of print or unavailable edition of this title.

A long awaited pocket guide to Six Sigma that provides practical advice on the Six Sigma tools

alongside detailed instructions for the MINITAB software where applicable. --This text refers to an out of print or unavailable edition of this title.

I have been doing Lean Six Sigma work in a variety of organizations for over 30 years. I have attended the Univ. of Mich Lean Manufacturing course, am a certified 6 Sigma Master Black Belt, a Certified Performance Technologist, and have a Masters in HROD. Having just recently participated in an Advanced Statistics Course in which I served as a coach for those in my company's Black Belt program, and in which we taught them how to use Minitab 17, I have to say this guide is THE easiest, the highest quality, and the most comprehensive, concise, and clear presentation of Lean/6 Sigma I have ever seen. I bought a copy and downloaded the data sets and OpEx customized Minitab toolbar. What wonderful resources - all part of the price of the book! GRAB this book for yourself. GIVE IT AWAY to all your improvement specialists - whether they use Minitab or not. This book definitely follows Dr. Juan's admonition to separate the "vital few" from the "trivial many." No fluff but a ton of useful stuff. I am a big fan now.

It is a great book to be able to use Minitab and more importantly understand the interpretation of the results. The parts of the book I liked most are related to hypothesis testing. The free downloadable resources means we do not need to input data but can directly open Minitab files and get on to using the book. I have purchased previous 2 editions of the book. This update for Minitab is just as well done. I recommend the book both for faculty/students and industry. In current times many people get free sample material to write biased feedback. I want to add that I received no free samples of any of the editions. I also rarely write reviews unless it a a great product (or horrible one). Thanks for reading my review.

I purchased this book hoping it would help me quickly patch some gaps in my understanding of statistics and Minitab v14. And it will. Most importantly, they get that we don't want to take a course, we just want to know enough to get the work done. --- So the book has enough of an explanation to help the reader figure out whatever their working on. Perfect!As background, I had quite a bit of training in statistics a few years ago. My job did not require that I use most of it. Now, I'm in a job that does, and I need to get up to speed quickly. I found this book to be a good refresher and reference.Having been exposed to the different tools, I understand them in general but which do I use? The book has decision grids.When it comes to using Minitab's menus to apply the theory, what goes where when I'm filling in the blanks - How is the theory applied? Added to that, I used some

features of Minitab v13 - but v14 seems to be a whole lot different. The book shows screen shots from Minitab v14 with callouts explaining the fields. And, how do I interpret the results? The book shows an example with callouts explaining the results. There is also an appendix with detailed (but brief) explanations of interpretations in an easy to read table. The book is better than Shaums outline on statistics. More relevant than textbooks. More concise than my Six Sigma training binders. Even more applied than Cartoon Guide to Statistics. And, really helps with providing details from the formula used to calculate Sample Size to the number of groups that should be in a histogram and Hypothesis Testing. Just one thing to note: The book is basically the Six Sigma framework with the references to Minitab & statistical tools as relevant. So, don't be surprised that in the first portion, Minitab examples are few and far in between. Rest assured - they are in there. So, I'm ditching my thick binders, books of theory, and heavy textbooks and keeping this one close by.

In the SIX SIGMA courses - I got mine 4 weeks Black Belt training course in 2008- you learn a lot of tools..one of the difficulties you may experience is fitting them in a rational fashion inside the DMAIC frameset. Here it is the strong point of this book: it is a well designed summary with a complete and exhaustive set of tools smartly divided in the DMAIC structure. One can easily find when a tool can be used, how to recall it in MINITAB and how the results can be interpreted. Basically, to me, THIS IS NOT a book intended for understanding what SIX SIGMA is, it is not addressed to newcomers but has to be intended as to be a really very good schematic summary of the subject. No statistical proofings, no mathematical explanations (only few of them when necessary). 3rd edition sa been enreached by new chapters regarding DOEs and Lean matters. Also the chapters on the software Quality Companion is not that bad. I like Quality Companion: it is the perfect software for keeping track of your improvement projects and for writing nice presentations for the customer or the management about your projects ongoing.

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