Applying Six Sigma Using Minitab

Synopsis

The Six Sigma process improvement methodology demonstrates the critical importance of properly collecting and analyzing data. From its roots in the manufacturing environment, the power of Six Sigma has found its way into virtually all areas of business - regardless of product, service, industry, or profession. Companies everywhere are recognizing that they can save money using Six Sigma. Minitab statistical software, which has been used since the 1970s, has consistently proven to be effective in analyzing data in the context of Six Sigma methodology. Filled with figures and written in easy-to-understand language, this manual will help you: â ¢ use Minitab's functions to follow the DMAIC (Defi ne, Measure, Analyze, Improve, Control) roadmap; â ¢ minimize the use of equations in explanations of data analysis;

Book Information

Paperback: 378 pages

Publisher: Dog Ear Publishing, LLC (April 5, 2015)

Language: English

ISBN-10: 1457536870

ISBN-13: 978-1457536878

Product Dimensions: 8.5 x 1 x 11 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: 4.9 out of 5 starsÂ Â See all reviewsÂ (12 customer reviews)

Best Sellers Rank: #132,494 in Books (See Top 100 in Books)   #28 inÂ Books > Business & Money > Management & Leadership > Quality Control & Management > Six Sigma   #112 inÂ Books > Business & Money > Management & Leadership > Management Science

Customer Reviews

I've used Minitab on and off for the past several years. I've always struggled to find the right book to help me create some compelling charts and graphs based on the data analysis that I did in Minitab (hence, the "off" in use). I have purchased books by Khan, Brook, Rath/Strong, and Bass but still could not find the details on how to create graphs that I knew Minitab was capable of. Then Gilbert and Peterka release this book. Having known the authors from years past, I gave it a try and was not disappointed! The book thoroughly covers Minitab's commands, demonstrating not only how to do the analysis but showing how to use tips and tricks (not intuitively obvious) in Minitab to convey important statistical information graphically. Additionally, the authors provide this guidance in the context of the Six Sigma DMAIC framework by showing real-world example analyses and how

Minitab could be used to evaluate the problem at hand.This is by far the best technical guide on Minitab that I've found. As someone who digs into the details and lets the data speak - preferably graphically - this book is already showing wear on my desk at work from referencing and reading. And I just got it for Christmas 2 weeks ago.Kudos to the authors.

I used this book while going through my black belt training and found it to be an invaluable resource. The book is written to follow the Six Sigma road map making it easy to apply to any project. As an advanced user of Excel, I found myself exporting data from Minitab, manipulating it in Excel, and importing it back into Minitab. After one pass through the book, I was able to do everything needed within Minitab. The last thing that I found useful was the number of pictures to support the workflows...and they were in COLOR!

Written by two process improvement experts with decades of experience between them, this book is an excellent resource for anyone looking to use data analysis to improve process and quality with Minitab. Each tool is described so the reader understands the purpose of the tool, and plenty of practical advice on utilizing the tool is given along with it. Then the book provides step-by-step Minitab instructions including full-color images annotated with clear descriptions. The book not only shows the basics but also valuable options available for various tools.Overall highly recommended!

This is a wonderfully organized manual of how to use Minitab with excellent images of outputs and detailed explanations. It also takes examples through multiple iterations to allow the reader/user to work through the models and get a much better understanding of the tools. Plus there is a lot of effort to fully explain the session windows so the user understands whether there is more analysis to be done, which reduces one's error in the decision process for improvements to be made. And how to navigate the options available helps the user create the most powerful analysis both visual and understandable for presentations. Well done!

I had Peter Peterka as my Master Black Belt trainer and he is probably one of the leading experts on Minitab for Six Sigma applications. But gurus can sometimes miss the boat when it comes to publishing a book. Not in this case, this book is very practical and a worthy reference that will make any Six Sigma expert look like a 'DMAIC rock star'. Thanks for a great book!

I had a chance to use this in my Six Sigma Black Belt class and I had to have my own book! Rarely

do you see a manual like this with SO many color pictures. It appears to have a screenshot of every menu and dialogue box to make trying new methods super easy. The additional explanations by these authors are invaluable. It's like having access to your own MiniTab Experts!

Applying Six Sigma Using Minitab Lean Six Sigma: The Ultimate Beginners Guide - Learn Everything You Need To Know About Six Sigma And Boost Your Productivity! (Lean, Six Sigma, Quality Control) Lean Six Sigma: The Ultimate Guide To Lean Six Sigma With Tools For Improving Quality And Speed! (Lean, Six Sigma, Quality Control) Lean Six Sigma: and Lean QuickStart Guides - Lean Six Sigma QuickStart Guide and Lean QuickStart Guide (Lean Six Sigma For Service, Lean Manufacturing) Lean Six Sigma and Minitab (4th Edition): The Complete Toolbox Guide for Business Improvement Six Sigma Statistics with EXCEL and MINITAB Six Sigma for Financial Services: How Leading Companies Are Driving Results Using Lean, Six Sigma, and Process Management Lean Six Sigma For Beginners, A Quick-Start Beginner's Guide To Lean Six Sigma ! - Lean Six Sigma for Service : How to Use Lean Speed and Six Sigma Quality to Improve Services and Transactions Lean Six Sigma For Beginners: A Quickstart Beginner's Guide To Lean Six Sigma Lean Six Sigma: Combining Six Sigma Quality with Lean Production Speed Lean Six Sigma QuickStart Guide: A Simplified Beginner's Guide to Lean Six Sigma The Six Sigma Project Planner : A Step-by-Step Guide to Leading a Six Sigma Project Through DMAIC Six Sigma for Managers: 24 Lessons to Understand and Apply Six Sigma Principles in Any Organization (The McGraw-Hill Professional Education Series) Lean Six Sigma QuickStart Guide: The Simplified Beginner's Guide to Lean Six Sigma Lean Six Sigma: Value Stream Mapping: Simplified Beginner's Guide to Eliminating Waste and Adding Value with Lean (Lean, Six Sigma, Quick Start Beginner's Guide, Quality Control) Certified Six Sigma Green Belt Exam Secrets Study Guide: CSSGB Test Review for the Six Sigma Green Belt Certification Exam Certified Six Sigma Black Belt Exam Secrets Study Guide: CSSBB Test Review for the Six Sigma Black Belt Certification Exam Applying Design for Six Sigma to Software and Hardware Systems (paperback) Practical Lean Six Sigma for Healthcare (with Links to over 30 Excel Worksheets): Using the A3 and Lean Thinking to Improve Operational Performance in ... Clinics, and Physician Group Practices