

Statistical Process Control Demystified

By Paul Keller

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Identify and reduce variation in business processes using SPC--the powerful analysis tool for process evaluation and improvement. *Statistical Process Control Demystified* shows you how to use SPC to enable data-driven decision making and gain a competitive advantage in the marketplace.

Written in a step-by-step format, this practical guide explains how to analyze process data, collect data, and determine the suitability of a process in meeting requirements. Attribute and X-bar control charts are discussed, as are charts for individuals data. You'll also get details on process improvement and measurement systems analysis. Detailed examples, calculations, and statistical assumptions make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts.

It's a no-brainer! You'll learn about:

- Control chart interpretation
- Overcoming common errors in the use of SPC and general statistical analysis tools
- Sampling requirements
- Analysis using Excel
- Estimating process variation
- Designed experiments
- Measurement systems analysis, including R&R studies
- Continuous process improvement strategies

Simple enough for a beginner, but challening enough for an advanced student, ***Statistical Process Control Demystified*** *is your shortcut to this powerful analysis solution.*

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Editorial Review

About the Author

Paul Keller is President and Chief Operating Officer of Quality America, Inc., and has developed and implemented successful Six Sigma and quality improvement programs in service and manufacturing environments. He is the bestselling author or coauthor of several books, including *The Six Sigma Handbook, Six Sigma DeMYSTiFieD,* and others.

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