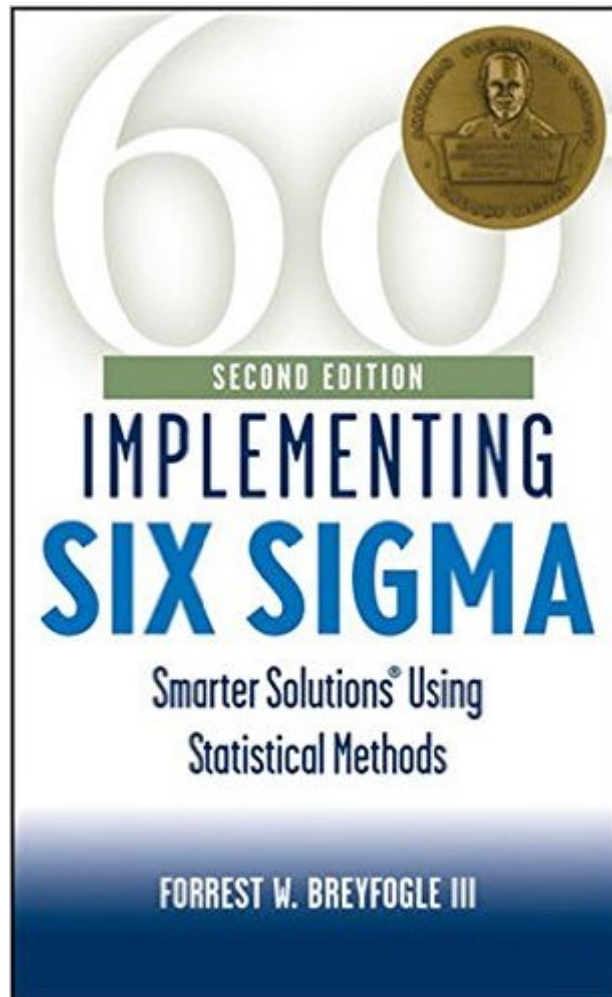


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# Implementing Six Sigma, Second Edition: Smarter Solutions Using Statistical Methods



## Synopsis

Written to aid organizations in laying the foundation for Six Sigma, this comprehensive and engaging guide provides the tools, strategies, and motivation to get all relevant players involved with improvement from upper management on down. At the heart of the book is a group of statistical tools that address FMEA (Failure Mode and Effect Analysis), QFD (Quality Functional Deployment), and DOE (Design of Experiment). Rather than offering just a brief overview, *Implementing Six Sigma* devotes individual chapters to all of the tools, so as to provide an in-depth analysis of each. A large selection of diagrams and clarifying exercises demonstrate how to best utilize the tools to successfully minimize defects throughout the production process. To provide a deeper understanding, the book discusses the theories of Edward Deming and the history of the Six Sigma program. Steeped in real world application, it presents numerous examples, as well as copies of actual implementation guides used by Motorola.

## Book Information

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## Customer Reviews

I first read this book when it was published (1999) and recently re-read it in combination with *Managing Six Sigma* which Breyfogle co-authored with Cupello and Meadows. At the outset, I should explain that my experience with the design, launch, and implementation of a Six Sigma program is limited. Usually I am retained to assist in non-technical areas such as internal and external communications. However, having read almost all of what Deming wrote as well as several

other books about his work, and then having direct association with countless technicians involved in various stages of a Six Sigma program, I feel semi-qualified to discuss both of Breyfogle's books. In fact, he may well have written them for non-technicians such as I. They are VERY well-organized. Also, at no time throughout the reading of either book did my eyes glaze over because of charts, maps, statistics, jargon, etc. So I commend Breyfogle (as well as the co-authors of *Managing Six Sigma*) for creating about as much access as is reasonably possible to this immensely complicated and (yes) daunting, albeit intriguing subject. In the foreword, Frank Shines, Jr. suggests that Breyfogle's Smarter Six Sigma Solutions (let's call it S4) approach can effectively be applied in areas such as these: organizational strategy and vision, communications and education strategy, corporate culture and history, business economics and project prioritization, organizational and individual skills and competencies, and finally, the pace and degree at which the organization can assimilate change. Paul Tobias (in the Foreword) then suggests that "the key to business success is doing the right thing faster and better and more efficiently than your competition.

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