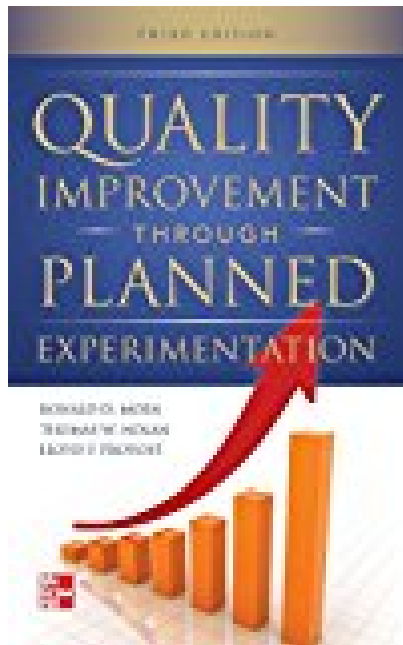


Quality Improvement Through Planned Experimentation 3 E



BOOK DETAILS

- Author : Ronald Moen
- Pages : 544 Pages
- Publisher : McGraw-Hill Education
- Language : English
- ISBN : 0071759662

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BOOK SYNOPSIS

The latest experimental design techniques for quality improvement "The methods taught in this book are a major contribution to statistical methods as an aid to engineers, as well as to those in industry, education, or government who are trying to understand the meaning of figures derived from comparisons or experiments." -- W. EDWARDS DEMING Co-written by three recipients of the Deming Medal awarded by the American Society for Quality (ASQ), *Quality Improvement through Planned Experimentation, Third Edition* discusses the principles and methodologies for planning and conducting experiments to improve products, processes, or systems. Fully revised with up-to-date case studies and incorporating new software, this authoritative guide fosters the sequential building of knowledge essential for implementing effective improvements. End-of-chapter exercises reinforce what you've learned, and forms for designing planned experiments help you to integrate the methods in the book into your daily work. The methods of planned experimentation provide an opportunity to better meet the needs of customers, reduce costs, and increase productivity by effecting verifiably beneficial changes. **COVERAGE INCLUDES:** * Improvement of quality * Principles for design and analysis of planned experiments * Experiments with one factor * Experiments with more than one factor * Reducing the size of experiments * Evaluating sources of variation * Sequential experimentation * Using a time series response variable * Designs with factors at more than two levels * Applications in health care * New product design **NEW:** Study-it software available for download!

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