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7.4 Overview of Experimental Design7.5 Principles of Experimentation; 7.6 One-Way Analysis of Variance; 7.7 Two Way Analysis of Variance; 7.8 Two-level Factorial Design Analysis; 7.9 What Did We Learn?; 7.10 Test Your Knowledge; Exercises; 8 End Material; 8.1 Final Exam; 8.2 Final Exam Solutions; 8.3 Test Your Knowledge: Answers; References; Glossary; Subject Index

Sommario/riassunto

"This book is an introductory book on improving the quality of a process or a system, primarily through the technique of statistical process control (SPC). There are numerous technical manuals available for SPC, but this book differs in two ways: (1) the basic tools of SPC are introduced in a no-nonsense, simple, non-math manner, and (2) the methods can be learned and practiced in an uncomplicated fashion using free software (eZ SPC 2.0), which is available to all readers online as a downloadable product. The book explains QC7 Tools, control charts, and statistical analysis including basic design of experiments. Theoretical explanations of the analytical methods are avoided; instead, results are interpreted through the use of the software"--