



Statistical Methods for SPC and TQM (Hardback)

By Derek Bissell

Taylor Francis Ltd, United States, 1994. Hardback. Book Condition: New. Softcover Reprint of the Origi ed.. 246 x 156 mm. Language: English . Brand New Book. Statistical Methods for SPC and TQM sets out to fill the gap for those in statistical process control (SPC) and total quality management (TQM) who need a practical guide to the logical basis of data presentation, control charting, and capability indices. Statistical theory is introduced in a practical context, usually by way of numerical examples. Several methods familiar to statisticians have been simplified to make them more accessible. Suitable tabulations of these functions are included; in several cases, effective and simple approximations are offered. Contents Data Collection and Graphical Summaries Numerical Data Summaries-Location and Dispersion Probability and Distribution Sampling, Estimation, and Confidence Sample Tests of Hypothesis; Significance Tests Control Charts for Process Management and Improvement Control Charts for Average and Variation Control Charts for Single-Valued Observations Control Charts for Attributes and Events Control Charts: Problems and Special Cases Cusum Methods Process Capability-Attributes, Events, and Normally Distributed Data Capability; Non-Normal Distributions Evaluating the Precision of a Measurement System (Gauge Capability) Getting More from Control Chart Data SPC in Non-Product Applications Appendices.



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