Record Nr. UNINA9910789066303321 Practitioner's guide for statistics and lean six sigma for process **Titolo** improvement / / Mikel J. Harry [and four others] Pubbl/distr/stampa Hoboken, New Jersey:,: Wiley,, 2010 ©2010 **ISBN** 1-118-21021-2 Descrizione fisica 1 online resource (1870 p.) Classificazione **QP 321** Disciplina 658.4013 Soggetti Process control - Statistical methods Six sigma (Quality control standard) Statistics - Data processing Inglese Lingua di pubblicazione **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references at the end of each chapters and Nota di bibliografia index. Nota di contenuto Cover; Title; copyright; Preface; 1: Principles of Six Sigma; 1.1 OVERVIEW; 1.2 SIX SIGMA ESSENTIALS; 1.3 QUALITY DEFINITION; 1.4 VALUE CREATION; 1.5 BUSINESS, OPERATIONS, PROCESS, AND INDIVIDUAL (BOPI) GOALS; 1.6 UNDERPINNING ECONOMICS; 1.7 PERFORMANCE METRICS; 1.8 PROCESS; 1.9 DESIGN COMPLEXITY; 1.10 NATURE AND PURPOSE OF SIX SIGMA: 1.11 NEEDS THAT UNDERLIE SIX SIGMA; 1.12 WHY FOCUSING ON THE CUSTOMER IS ESSENTIAL TO SIX SIGMA; 1.13 SUCCESS FACTORS; 1.14 SOFTWARE APPLICATIONS; GLOSSARY; REFERENCES; 2: Six Sigma Installation; 2.1 OVERVIEW; 2.2 SIX SIGMA LEADERSHIP-THE FUEL OF SIX SIGMA 2.3 DEPLOYMENT PLANNING2.4 APPLICATION PROJECTS; 2.5 DEPLOYMENT TIMELINE; 2.6 DESIGN FOR SIX SIGMA (DFSS) PRINCIPLES; 2.7 PROCESSING FOR SIX SIGMA (PFSS) PRINCIPLES; 2.8 MANAGING FOR SIX SIGMA (MFSS) PRINCIPLES; 2.9 PROJECT REVIEW; 2.10 SUMMARY; GLOSSARY; REFERENCES AND NOTES; 3: Lean Sigma Projects; 3.1 OVERVIEW; 3.2 INTRODUCTION; 3.3 PROJECT DESCRIPTION; 3.4 PROJECT GUIDELINES; 3.5 PROJECT SELECTION; 3.6 PROJECT SCOPE; 3.7 PROJECT LEADERSHIP; 3.8 PROJECT TEAMS; 3.9 PROJECT FINANCIALS;

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Sommario/riassunto

This hands-on book presents a complete understanding of Six Sigma and Lean Six Sigma through data analysis and statistical concepts In today's business world, Six Sigma, or Lean Six Sigma, is a crucial tool utilized by companies to improve customer satisfaction, increase profitability, and enhance productivity. Practitioner's Guide to Statistics and Lean Six Sigma for Process Improvements provides a balanced approach to quantitative and qualitative statistics using Six Sigma and Lean Six Sigma methodologies. Emphasizing applications and the implementation of data analyses as