

1. Record Nr.	UNINA9910830176503321
Titolo	Statistical practice in business and industry [[electronic resource] /] / edited by Shirley Coleman ... [et al.]
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley & Sons, c2008
ISBN	1-281-31234-7 9786611312343 0-470-99748-6 0-470-99747-8
Descrizione fisica	1 online resource (449 p.)
Collana	Statistics in practice
Altri autori (Persone)	ColemanShirley
Disciplina	338.00727 658.4 658.4/033 658.4033
Soggetti	Commercial statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Statistical Practice in Business and Industry; Contents; Contributors; Preface; 1 Introduction; 2 A History of Industrial Statistics; 3 Statistical Consultancy; 3.I. A Statistician in Industry; 3.II Black Belt Types; 3.III Statistical Consultancy Units at Universities; 3.IV Consultancy? . . . What's in It for Me?; 4 The Statistical Efficiency Conjecture; 5 Management Statistics; 6 Service Quality; 7 Design and Analysis of Industrial Experiments; 8 Data Mining; 9 Using Statistical Process Control for Continual Improvement; 10 Advanced Statistical Process Control; 11 Measurement System Analysis 12 Safety and Reliability12.I. Reliability Engineering: The State of the Art; 12.II Stochastics for the Quality Movement: An Integrated Approach to Reliability and Safety; 13 Multivariate and Multiscale Data Analysis; 14 Simulation in Industrial Statistics; 15 Communication; Index
Sommario/riassunto	This book covers all the latest advances, as well as more established methods, in the application of statistical and optimisation methods within modern industry. These include applications from a range of industries that include micro-electronics, chemical, automotive,

engineering, food, component assembly, household goods and plastics. Methods range from basic graphical approaches to generalised modelling, from designed experiments to process control. Solutions cover produce and process design, through manufacture to packaging and delivery, from single responses to multivariate problems.
