1. Record Nr.	UNINA9911018789803321
Autore	Meier Peter C. <1945->
Titolo	Statistical methods in analytical chemistry / / Peter C. Meier, Richard E. Zund
Pubbl/distr/stampa	New York, : Wiley, c2000
ISBN	9786610253319 9781280253317 1280253312 9780470248058 047024805X 9780471726111 0471726117 9780471728412 0471728411
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (452 p.)
Collana	Chemical analysis ; ; v. 153
Altri autori (Persone)	ZundRichard E
Disciplina	543/.007/2
Soggetti	Chemometrics Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references (p. 404-415) and index.
Nota di contenuto	Statistical Methods in Analytical Chemistry; CHEMICAL ANALYSIS; CONTENTS; PREFACE; CHEMICAL ANALYSIS SERIES; INTRODUCTION; CHAPTER 1: UNIVARIATE DATA; 1.1 Mean and Standard Deviation; 1.1.1 The Most Probable Value; 1.1.2 The Dispersion; 1.1.3 Independency of Measurements; 1.1.4 Reproducibility and Repeatibility; 1.1.5 Reporting the Results; 1.1.6 Interpreting the Results; 1.2 Distributions and the Problem of Small Numbers; 1.2.1 The Normal Distribution; 1.2.2 Student's t Distribution; 1.3 Confidence Limits; 1.3.1 Confidence Limits of the Distribution; 1.3.2 Confidence Limits of the Mean 1.4 The Simulation of a Series of Measurements1.5 Testing for Deviations; 1.5.1 Examining Two Series of Measurements; 1.5.2 The t-Test; 1.5.3 Extension of the t-Test to More Than Two Series of Measurements; 1.5.4 Multiple-Range Test; 1.5.5 Outlier Tests; 1.5.6 Analysis of Variance (ANOVA); 1.6 Number of Determinations; 1.7

Sommario/riassunto	This new edition of a successful, bestselling book continues to provide you with practical information on the use of statistical methods for solving real-world problems in complex industrial environments. Complete with examples from the chemical and pharmaceutical laboratory and manufacturing areas, this thoroughly updated book clearly demonstrates how to obtain reliable results by choosing the most appropriate experimental design and data evaluation methods. Unlike other books on the subject, Statistical Methods in Analytical Chemistry, Second Edition presents and solves problems in the co