

1. Record Nr.	UNINA9910143558103321
Autore	Brereton Richard G
Titolo	Chemometrics [[electronic resource]] : data analysis for the laboratory and chemical plant // Richard Brereton
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, NJ, : Wiley, c2003
ISBN	9786610269686 0-470-66760-5 0-470-86324-2 1-280-26968-5 0-470-84574-0
Descrizione fisica	1 online resource (505 p.)
Disciplina	540.151 543.0015195
Soggetti	Chemometrics - Data processing Chemical processes - Statistical methods - Data processing Electronic books.
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 (p. 12-13) and index.
Nota di contenuto	Chemometrics; Contents; Preface; Supplementary Information; Acknowledgements; 1 Introduction; 1.1 Points of View; 1.2 Software and Calculations; 1.3 Further Reading; 1.3.1 General; 1.3.2 Specific Areas; 1.3.3 Internet Resources; 1.4 References; 2 Experimental Design; 2.1 Introduction; 2.2 Basic Principles; 2.2.1 Degrees of Freedom; 2.2.2 Analysis of Variance and Comparison of Errors; 2.2.3 Design Matrices and Modelling; 2.2.4 Assessment of Significance; 2.2.5 Leverage and Confidence in Models; 2.3 Factorial Designs; 2.3.1 Full Factorial Designs; 2.3.2 Fractional Factorial Designs 2.3.3 Plackett-Burman and Taguchi Designs 2.3.4 Partial Factorials at Several Levels: Calibration Designs; 2.4 Central Composite or Response Surface Designs; 2.4.1 Setting Up the Design; 2.4.2 Degrees of Freedom; 2.4.3 Axial Points; 2.4.4 Modelling; 2.4.5 Statistical Factors; 2.5 Mixture Designs; 2.5.1 Mixture Space; 2.5.2 Simplex Centroid; 2.5.3 Simplex Lattice; 2.5.4 Constraints; 2.5.5 Process Variables; 2.6 Simplex Optimisation; 2.6.1 Fixed Sized Simplex; 2.6.2 Elaborations;

2.6.3 Modified Simplex; 2.6.4 Limitations; Problems; 3 Signal Processing; 3.1 Sequential Signals in Chemistry
3.1.1 Environmental and Geological Processes 3.1.2 Industrial Process Control; 3.1.3 Chromatograms and Spectra; 3.1.4 Fourier Transforms; 3.1.5 Advanced Methods; 3.2 Basics; 3.2.1 Peak shapes; 3.2.2 Digitisation; 3.2.3 Noise; 3.2.4 Sequential Processes; 3.3 Linear Filters; 3.3.1 Smoothing Functions; 3.3.2 Derivatives; 3.3.3 Convolution; 3.4 Correlograms and Time Series Analysis; 3.4.1 Auto-correlograms; 3.4.2 Cross-correlograms; 3.4.3 Multivariate Correlograms; 3.5 Fourier Transform Techniques; 3.5.1 Fourier Transforms; 3.5.2 Fourier Filters; 3.5.3 Convolution Theorem; 3.6 Topical Methods
3.6.1 Kalman Filters 3.6.2 Wavelet Transforms; 3.6.3 Maximum Entropy (Maxent) and Bayesian Methods; Problems; 4 Pattern Recognition; 4.1 Introduction; 4.1.1 Exploratory Data Analysis; 4.1.2 Unsupervised Pattern Recognition; 4.1.3 Supervised Pattern Recognition; 4.2 The Concept and Need for Principal Components Analysis; 4.2.1 History; 4.2.2 Case Studies; 4.2.3 Multivariate Data Matrices; 4.2.4 Aims of PCA; 4.3 Principal Components Analysis: the Method; 4.3.1 Chemical Factors; 4.3.2 Scores and Loadings; 4.3.3 Rank and Eigenvalues; 4.3.4 Factor Analysis
4.3.5 Graphical Representation of Scores and Loadings 4.3.6 Preprocessing; 4.3.7 Comparing Multivariate Patterns; 4.4 Unsupervised Pattern Recognition: Cluster Analysis; 4.4.1 Similarity; 4.4.2 Linkage; 4.4.3 Next Steps; 4.4.4 Dendrograms; 4.5 Supervised Pattern Recognition; 4.5.1 General Principles; 4.5.2 Discriminant Analysis; 4.5.3 SIMCA; 4.5.4 Discriminant PLS; 4.5.5 K Nearest Neighbours; 4.6 Multiway Pattern Recognition; 4.6.1 Tucker3 Models; 4.6.2 PARAFAC; 4.6.3 Unfolding; Problems; 5 Calibration; 5.1 Introduction; 5.1.1 History and Usage; 5.1.2 Case Study; 5.1.3 Terminology
5.2 Univariate Calibration

Sommario/riassunto

This book is aimed at the large number of people who need to use chemometrics but do not wish to understand complex mathematics, therefore it offers a comprehensive examination of the field of chemometrics without overwhelming the reader with complex mathematics. * Includes five chapters that cover the basic principles of chemometrics analysis. * Provides two chapters on the use of Excel and MATLAB for chemometrics analysis. * Contains 70 worked problems so that readers can gain a practical understanding of the use of chemometrics.

2. Record Nr.	UNISA996387580503316
Autore	Perkins William <1558-1602.>
Titolo	The foundation of Christian religion [[electronic resource]] : gathered into six principles : and it is to be learned of ignorant people that they may be fit to hear sermons with profit, and to receive the Lords Supper with comfort. // By William Perkins
Pubbl/distr/stampa	[Bo]ston in New-England, : [P]rinted by Samuel Green, and sold by Mary Avery near the Blue Anchor in Boston, [1682]
Descrizione fisica	[2+], 22-42 p
Soggetti	Theology, Doctrinal
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Date of publication suggested by Wing. Imperfect: Torn with some loss of print; lacking all between t.p. and p. 22. Reproduction of original in the John Carter Brown Library.
Sommario/riassunto	eebo-0114

3. Record Nr.	UNISALENTO991000851359707536
Autore	Gimbutas, Marija Alseikaite
Titolo	Il linguaggio della dea / Marija Gimbutas ; versione italiana di Selene Ballerini
Pubbl/distr/stampa	Roma : Venexia, 2008
ISBN	9788887944624
Edizione	[Nuova ed. integrale e aggiornata]
Descrizione fisica	XXIII, 388 p. : ill. ; 23 cm
Collana	Le civette
Altri autori (Persone)	Ballerini, Selene
Disciplina	305
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia