

1. Record Nr.	UNINA9910143553903321
Autore	Huberty Carl J. <1934->
Titolo	Applied MANOVA and discriminant analysis [[electronic resource]]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-82320-8 9786610823208 0-471-78947-X 0-471-78946-1
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (524 p.)
Collana	Wiley series in probability and statistics
Classificazione	31.73 83.03
Altri autori (Persone)	OlejnikStephen HubertyCarl J. <1934->
Disciplina	519.535
Soggetti	Discriminant analysis Multivariate analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Rev. ed. of: Applied discriminant analysis. c1994.
Nota di bibliografia	Includes bibliographical references (p. 425-447) and index.
Nota di contenuto	Applied MANOVA and Discriminant Analysis; Brief Contents; Contents; List of Figures; List of Tables; Preface to Second Edition; Acknowledgments; Preface to First Edition; Notation; I INTRODUCTION; 1 Discriminant Analysis in Research; 1.1 A Little History; 1.2 Overview; 1.3 Descriptive Discriminant Analysis; 1.4 Predictive Discriminant Analysis; 1.5 Design in Discriminant Analysis; 1.5.1 Grouping Variables; 1.5.2 Response Variables; Exercises; 2 Preliminaries; 2.1 Introduction; 2.2 Research Context; 2.3 Data, Analysis Units, Variables, and Constructs; 2.4 Summarizing Data 2.5 Matrix Operations2.5.1 SSCP Matrix; 2.5.2 Determinant; 2.5.3 Inverse; 2.5.4 Eigenanalysis; 2.6 Distance; 2.7 Linear Composite; 2.8 Probability; 2.9 Statistical Testing; 2.10 Judgment in Data Analysis; 2.11 Summary; Further Reading; Exercises; II ONE-FACTOR MANOVA/DDA; 3 Group Separation; 3.1 Introduction; 3.2 Two-Group Analyses; 3.2.1 Univariate Analysis; 3.2.2 Multivariate Analysis; 3.3 Test for Covariance Matrix Equality; 3.4 Yao Test; 3.5 Multiple-Group Analyses-Single Factor; 3.5.1 Univariate Analysis; 3.5.2 Multivariate

Analysis; 3.6 Computer Application; 3.7 Summary; Exercises
4 Assessing MANOVA Effects4.1 Introduction; 4.2 Strength of Association; 4.2.1 Univariate; 4.2.2 Multivariate; 4.2.3 Bias; 4.3 Computer Application I; 4.4 Group Contrasts; 4.4.1 Univariate; 4.4.2 Multivariate; 4.5 Computer Application II; 4.6 Covariance Matrix Heterogeneity; 4.7 Sample Size; 4.8 Summary; Technical Notes; Exercises; 5 Describing MANOVA Effects; 5.1 Introduction; 5.2 Omnibus Effects; 5.2.1 An Eigenanalysis; 5.2.2 Linear Discriminant Functions; 5.3 Computer Application I; 5.4 Standardized LDF Weights; 5.5 LDF Space Dimension; 5.5.1 Statistical Tests; 5.5.2 Proportion of Variance 5.5.3 LDF Plots5.6 Computer Application II; 5.7 Computer Application III; 5.8 Contrast Effects; 5.9 Computer Application IV; 5.10 Summary; Technical Note; Further Reading; Exercises; 6 Deleting and Ordering Variables; 6.1 Introduction; 6.2 Variable Deletion; 6.2.1 Purposes of Deletion; 6.2.2 McCabe Analysis; 6.2.3 Computer Application; 6.3 Variable Ordering; 6.3.1 Meaning of Importance; 6.3.2 Computer Application I; 6.3.3 Variable Ranking; 6.4 Contrast Analyses; 6.5 Computer Application II; 6.6 Comments; Further Reading; Exercises; 7 Reporting DDA Results; 7.1 Introduction
7.2 Example of Reporting DDA Results7.3 Computer Package Information; 7.4 Reporting Terms; 7.5 MANOVA/DDA Applications; 7.6 Concerns; 7.7 Overview; Further Reading; Exercises; III FACTORIAL MANOVA, MANCOVA, AND REPEATED MEASURES; 8 Factorial MANOVA; 8.1 Introduction; 8.2 Research Context; 8.3 Univariate Analysis; 8.4 Multivariate Analysis; 8.4.1 Omnibus Tests; 8.4.2 Distribution Assumptions; 8.5 Computer Application I; 8.6 Computer Application II; 8.7 Nonorthogonal Design; 8.8 Outcome Variable Ordering and Deletion; 8.9 Summary; Technical Notes; Exercises; 9 Analysis of Covariance
9.1 Introduction

Sommario/riassunto

A complete introduction to discriminant analysis--extensively revised, expanded, and updated This Second Edition of the classic book, Applied Discriminant Analysis, reflects and references current usage with its new title, Applied MANOVA and Discriminant Analysis. Thoroughly updated and revised, this book continues to be essential for any researcher or student needing to learn to speak, read, and write about discriminant analysis as well as develop a philosophy of empirical research and data analysis. Its thorough introduction to the application of discriminant an
