

1. Record Nr.	UNINA9910877253803321
Autore	McLachlan Geoffrey J
Titolo	Discriminant Analysis and Statistical Pattern Recognition [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : John Wiley & Sons, Inc., 2005
ISBN	9786610253012 0-471-72529-3
Descrizione fisica	1 online resource (552 p.)
Collana	Wiley series in probability and mathematical statistics. Discriminant analysis and statistical pattern recognition
Disciplina	519.5/35
Soggetti	Discriminant analysis Pattern perception Mathematics Mathematical Statistics Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Discriminant Analysis and Statistical Pattern Recognition; Contents; Preface; 1. General Introduction; 2. Likelihood-Based Approaches to Discrimination; 3. Discrimination via Normal Models; 4. Distributional Results for Discrimination via Normal Models; 5. Some Practical Aspects and Variants of Normal Theory-Based Discriminant Rules; 6. Data Analytic Considerations with Normal Theory-Based Discriminant Analysis; 7. Parametric Discrimination via Nonnormal Models; 8. Logistic Discrimination; 9. Nonparametric Discrimination; 10. Estimation of Error Rates 11. Assessing the Reliability of the Estimated Posterior Probabilities of Group Membership 12. Selection of Feature Variables in Discriminant Analysis; 13. Statistical Image Analysis; References; Author Index; Subject Index;
Sommario/riassunto	Provides a systematic account of the subject area, concentrating on the most recent advances in the field. While the focus is on practical considerations, both theoretical and practical issues are explored. Among the advances covered are: regularized discriminant analysis and

bootstrap-based assessment of the performance of a sample-based discriminant rule and extensions of discriminant analysis motivated by problems in statistical image analysis.

---