

1. Record Nr.	UNINA9910483639003321
Titolo	Advances in Data Mining. Medical Applications, E-Commerce, Marketing, and Theoretical Aspects : 8th Industrial Conference, ICDM 2008 Leipzig, Germany, July 16-18, 2008, Proceedings / / edited by Petra Perner
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-70720-4
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XI, 428 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 5077
Altri autori (Persone)	PernerPetra
Disciplina	005.74
Soggetti	Pattern recognition systems Data mining Computer engineering Computer networks Computer vision Application software Database management Automated Pattern Recognition Data Mining and Knowledge Discovery Computer Engineering and Networks Computer Vision Computer and Information Systems Applications Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Lifescience and Biotechnological Applications for Data Mining -- Prototypes for Medical Case-Based Applications -- Hopfield Networks in Relevance and Redundancy Feature Selection Applied to Classification of Biomedical High-Resolution Micro-CT Images -- Modelling Medical Time Series Using Grammar-Guided Genetic Programming -- Data Mining with Neural Networks for Wheat Yield Prediction -- Experiences Using Clustering and Generalizations for

Knowledge Discovery in Melanomas Domain -- Noisy Image Segmentation by a Robust Clustering Algorithm Based on DC Programming and DCA -- An Application for Electroencephalogram Mining for Epileptic Seizure Prediction -- An Infrastructure for Mining Medical Multimedia Data -- Realizing Modularized Knowledge Models for Heterogeneous Application Domains -- Clustering and Classification -- GEP-Induced Expression Trees as Weak Classifiers -- Projection with Double Nonlinear Integrals for Classification -- Local Modelling in Classification -- Improving Imbalanced Multidimensional Dataset Learner Performance with Artificial Data Generation: Density-Based Class-Boost Algorithm -- CPL Clustering with Feature Costs -- Association Rule Mining -- Relative Linkage Disequilibrium: A New Measure for Association Rules -- Weighted Association Rule Mining from Binary and Fuzzy Data -- E-Mail, WebMining -- A Comparative Impact Study of Attribute Selection Techniques on Naïve Bayes Spam Filters -- The Impact of Noise in Spam Filtering: A Case Study -- Designing Specific Weighted Similarity Measures to Improve Collaborative Filtering Systems -- Browsing Assistance Service for Intranet Information Systems -- WebAngels Filter: A Violent Web Filtering Engine Using Textual and Structural Content-Based Analysis -- Mining Unexpected Web Usage Behaviors -- Information Retrieval.- Generalized Graph Matching for Data Mining and Information Retrieval -- Industrial Applications -- Contrast-Set Mining of Aircraft Accidents and Incidents -- Using Data Mining to Build Integrated Discrete Event Simulations -- Control Charts of Workflows -- Frequent Item Set, Sequence Mining -- Maximum Margin Active Learning for Sequence Labeling with Different Length -- An Efficient Similarity Searching Algorithm Based on Clustering for Time Series -- Efficient String Mining under Constraints Via the Deferred Frequency Index -- Aspects of Data Mining -- Autonomous Forex Trading Agents -- An Exploration into the Power of Formal Concept Analysis for Domestic Violence Analysis -- Leatherbacks Matching by Automated Image Recognition.

Sommario/riassunto

ICDM / MLDM Medaillie (limited edition) Meissner Porcellan, the “White Gold” of King August the Strongest of Saxonia ICDM 2008 was the eighth event of the Industrial Conference on Data Mining held in Leipzig (www.data-mining-forum.de). For this edition the Program Committee received 116 submissions from 20 countries. After the peer-review process, we accepted 36 high-quality papers for oral presentation, which are included in these proceedings. The topics range from aspects of classification and prediction, clustering, Web mining, data mining in medicine, applications of data mining, time series and frequent pattern mining, and association rule mining. Thirteen papers were selected for poster presentations that are published in the ICDM Poster Proceeding Volume. In conjunction with ICDM there were three workshops focusing on special hot application-oriented topics in data mining. The workshop Data Mining in Life Science DMLS 2008 was held the third time this year and the workshop Data Mining in Marketing DMM 2008 ran for the second time this year. Additionally, we introduced an International Workshop on Case-Based Reasoning for Multimedia Data CBR-MD.
