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Nota di contenuto	Invited Talk -- Distances in Classification -- Data Mining in Medicine and Agriculture -- Electronic Nose Ovarian Carcinoma Diagnosis Based on Machine Learning Algorithms -- Data Mining of Agricultural Yield Data: A Comparison of Regression Models -- Study of Principal Components on Classification of Problematic Wine Fermentations -- A Data Mining Method for Finding Hidden Relationship in Blood and Urine Examination Items for Health Check -- Application of Classification Association Rule Mining for Mammalian Mesenchymal Stem Cell Differentiation -- Computer-Aided Diagnosis in Brain Computed Tomography Screening -- Knowledge Representation in Difficult Medical Diagnosis -- Data Mining in Marketing, Finance and Telecommunication -- Forecasting Product Life Cycle Phase Transition Points with Modular Neural Networks Based System -- Visualizing the Competitive Structure of Online Auctions -- Credit Risk Handling in Telecommunication Sector -- Sales Intelligence Using Web Mining -- A

Sales Forecast Model for the German Automobile Market Based on Time Series Analysis and Data Mining Methods -- Data Mining in Process Control, Industry and Society -- Screening Paper Runnability in a Web-Offset Pressroom by Data Mining -- Evaluation of Distraction in a Driver-Vehicle-Environment Framework: An Application of Different Data-Mining Techniques -- SO_MAD: SensOr Mining for Anomaly Detection in Railway Data -- Online Mass Flow Prediction in CFB Boilers -- Integrating Data Mining and Agent Based Modeling and Simulation -- Combining Multidimensional Scaling and Computational Intelligence for Industrial Monitoring -- A Case of Using Formal Concept Analysis in Combination with Emergent Self Organizing Maps for Detecting Domestic Violence -- Data Mining on Multimedia Data -- Ordinal Evaluation: A New Perspective on Country Images -- Evaluation of Fusion for Similarity Searching in Online Handwritten Documents -- Self-training Strategies for Handwriting Word Recognition -- On a New Similarity Analysis in Frequency Domain for Mining Faces within a Complex Background -- Theoretical Aspects of Data Mining -- Clustering with Domain Value Dissimilarity for Categorical Data -- The Normalized Compression Distance as a Distance Measure in Entity Identification -- Attribute Constrained Rules for Partially Labeled Sequence Completion -- Mining Determining Sets for Partially Defined Functions -- On the Integration of Neural Classifiers through Similarity Analysis of Higher Order Features -- On Cellular Network Channels Data Mining and Decision Making through Ant Colony Optimization and Multi Agent Systems Strategies -- Responsible Data Releases.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 9th Industrial Conference on Data Mining, ICDM 2009, held in Leipzig, Germany in July 2009. The 32 revised full papers presented were carefully reviewed and selected from 130 submissions. The papers are organized in topical sections on data mining in medicine and agriculture, data mining in marketing, finance and telecommunication, data mining in process control, industry and society, data mining on multimedia data and theoretical aspects of data mining. |