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Disciplina	006.31222gerDNB
Soggetti	Database management Data mining Information storage and retrieval systems Application software Computer networks Pattern recognition systems Database Management Data Mining and Knowledge Discovery Information Storage and Retrieval Computer and Information Systems Applications Computer Communication Networks Automated Pattern Recognition
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- New Challenges in Information Integration -- Data Warehouse Modeling -- What Is Spatio-Temporal Data Warehousing? -- Towards a Modernization Process for Secure Data Warehouses -- Visual Modelling of Data Warehousing Flows with UML Profiles -- Data Streams -- CAMS: OLAPing Multidimensional Data Streams Efficiently

-- Data Stream Prediction Using Incremental Hidden Markov Models --
History Guided Low-Cost Change Detection in Streams -- Physical
Design -- HOBI: Hierarchically Organized Bitmap Index for Indexing
Dimensional Data -- A Joint Design Approach of Partitioning and
Allocation in Parallel Data Warehouses -- Fast Loads and Fast Queries
-- Pattern Mining -- TidFP: Mining Frequent Patterns in Different
Databases with Transaction ID -- Non-Derivable Item Set and Non-
Derivable Literal Set Representations of Patterns Admitting Negation --
Which Is Better for Frequent Pattern Mining: Approximate Counting or
Sampling? -- A Fast Feature-Based Method to Detect Unusual Patterns
in Multidimensional Datasets -- Data Cubes -- Efficient Online
Aggregates in Dense-Region-Based Data Cube Representations --
BitCube: A Bottom-Up Cubing Engineering -- Exact and Approximate
Sizes of Convex Datacubes -- Data Mining Applications -- Finding
Clothing That Fit through Cluster Analysis and Objective
Interestingness Measures -- Customer Churn Prediction for Broadband
Internet Services -- Mining High-Correlation Association Rules for
Inferring Gene Regulation Networks -- Analytics -- Extend UDF
Technology for Integrated Analytics -- High Performance Analytics with
the R3-Cache -- Open Source BI Platforms: A Functional and
Architectural Comparison -- Ontology-Based Exchange and Immediate
Application of Business Calculation Definitions for Online Analytical
Processing -- Data Mining -- Skyline View: Efficient Distributed
Subspace Skyline Computation -- HDB-Subdue: A Scalable Approach to
Graph Mining -- Mining Violations to Relax Relational Database
Constraints -- Arguing from Experience to Classifying Noisy Data --
Clustering -- Dynamic Clustering-Based Estimation of Missing Values
in Mixed Type Data -- The PDG-Mixture Model for Clustering --
Clustering for Video Retrieval -- Spatio-Temporal Mining -- Trends
Analysis of Topics Based on Temporal Segmentation -- Finding N-Most
Prevalent Colocated Event Sets -- Rule Mining -- Rule Learning with
Probabilistic Smoothing -- Missing Values: Proposition of a Typology
and Characterization with an Association Rule-Based Model -- Olap
Recommendation -- Recommending Multidimensional Queries --
Preference-Based Recommendations for OLAP Analysis.

Sommario/riassunto

This book constitutes the refereed proceedings of the 11th
International Conference on Data Warehousing and Knowledge
Discovery, DaWak 2009 held in Linz, Austria in August/September
2009. The 36 revised full papers presented were carefully reviewed and
selected from 124 submissions. The papers are organized in topical
sections on data warehouse modeling, data streams, physical design,
pattern mining, data cubes, data mining applications, analytics, data
mining, clustering, spatio-temporal mining, rule mining, and OLAP
recommendation.
