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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ETL Processing -- ETLDiff: A Semi-automatic Framework for Regression Test of ETL Software -- Applying Transformations to Model Driven Data Warehouses -- Bulk Loading a Linear Hash File -- Materialized View -- Dynamic View Selection for OLAP -- Preview: Optimizing View Materialization Cost in Spatial Data Warehouses -- Preprocessing for Fast Refreshing Materialized Views in DB2 -- Multidimensional Design -- A Multiversion-Based Multidimensional Model -- Towards Multidimensional Requirement Design -- Multidimensional Design by Examples -- OLAP and Multidimensional Model -- Extending Visual

OLAP for Handling Irregular Dimensional Hierarchies -- A Hierarchy-Driven Compression Technique for Advanced OLAP Visualization of Multidimensional Data Cubes -- Analysing Multi-dimensional Data Across Autonomous Data Warehouses -- What Time Is It in the Data Warehouse? -- Cubes Processing -- Computing Iceberg Quotient Cubes with Bounding -- An Effective Algorithm to Extract Dense Sub-cubes from a Large Sparse Cube -- On the Computation of Maximal-Correlated Cuboids Cells -- Data Warehouse Applications -- Warehousing Dynamic XML Documents -- Integrating Different Grain Levels in a Medical Data Warehouse Federation -- A Versioning Management Model for Ontology-Based Data Warehouses -- Data Warehouses in Grids with High QoS -- Mining Techniques (1) -- Mining Direct Marketing Data by Ensembles of Weak Learners and Rough Set Methods -- Efficient Mining of Dissociation Rules -- Optimized Rule Mining Through a Unified Framework for Interestingness Measures -- An Information-Theoretic Framework for Process Structure and Data Mining -- Mining Techniques (2) -- Mixed Decision Trees: An Evolutionary Approach -- ITER: An Algorithm for Predictive Regression Rule Extraction -- COBRA: Closed Sequential Pattern Mining Using Bi-phase Reduction Approach -- Frequent Itemsets -- A Greedy Approach to Concurrent Processing of Frequent Itemset Queries -- Two New Techniques for Hiding Sensitive Itemsets and Their Empirical Evaluation -- EStream: Online Mining of Frequent Sets with Precise Error Guarantee -- Mining Data Streams -- Granularity Adaptive Density Estimation and on Demand Clustering of Concept-Drifting Data Streams -- Classification of Hidden Network Streams -- Adaptive Load Shedding for Mining Frequent Patterns from Data Streams -- An Approximate Approach for Mining Recently Frequent Itemsets from Data Streams -- Ontology-Based Mining -- Learning Classifiers from Distributed, Ontology-Extended Data Sources -- A Coherent Biomedical Literature Clustering and Summarization Approach Through Ontology-Enriched Graphical Representations -- Automatic Extraction for Creating a Lexical Repository of Abbreviations in the Biomedical Literature -- Clustering -- Priority-Based k-Anonymity Accomplished by Weighted Generalisation Structures -- Achieving k-Anonymity by Clustering in Attribute Hierarchical Structures -- Calculation of Density-Based Clustering Parameters Supported with Distributed Processing -- Cluster-Based Sampling Approaches to Imbalanced Data Distributions -- Advanced Mining Techniques -- Efficient Mining of Large Maximal Bicliques -- Automatic Image Annotation by Mining the Web -- Privacy Preserving Spatio-Temporal Clustering on Horizontally Partitioned Data -- Association Rules -- Discovering Semantic Sibling Associations from Web Documents with XTREEM-SP -- Difference Detection Between Two Contrast Sets -- EGEA : A New Hybrid Approach Towards Extracting Reduced Generic Association Rule Set (Application to AML Blood Cancer Therapy) -- Miscellaneous Applications -- AISS: An Index for Non-timestamped Set Subsequence Queries -- A Method for Feature Selection on Microarray Data Using Support Vector Machine -- Providing Persistence for Sensor Data Streams by Remote WAL -- Classification -- Support Vector Machine Approach for Fast Classification -- Document Representations for Classification of Short Web-Page Descriptions -- GARC: A New Associative Classification Approach -- Conceptual Modeling for Classification Mining in Data Warehouses.

Sommario/riassunto

For more than a decade, data warehousing together with knowledge discovery technology have made up the key technology for the decision-making process in companies. Since 1999, due to the relevant role of these technologies in academia and industry, the Data

Warehousing and Knowledge Discovery (DaWaK) conference series has become an international forum for both practitioners and researchers to share their findings, publish their relevant results and debate in depth research issues and experiences on data warehousing and knowledge discovery systems and applications. The 8 International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2006) continued the series of successful conferences dedicated to these topics. In this edition, DaWaK aimed at providing the right and logical balance between data warehousing and knowledge discovery. In data warehousing the papers cover different research problems, such as advanced techniques in OLAP visualization and multidimensional modelling, innovation of ETL processes and integration problems, materialized view optimization, very large data warehouse processing, data warehouses and data mining applications integration, data warehousing for real-life applications, e. g. , medical applications and spatial applications. In data mining and knowledge discovery, papers are focused on a variety of topics from data streams analysis and mining, ontology-based mining techniques, mining frequent item sets, clustering, association and classification, patterns and so on. These proceedings contain the technical papers which were selected for presentation at the conference. We received 198 abstracts, and finally received 146 papers from 36 countries.
