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Nota di contenuto	Cover -- Title page -- Preface -- Acknowledgments -- Contents -- I. Data Collection -- Toward Active Mining from On-line Scientific Text Abstracts Using Pre-existing Sources -- Data Mining on the WAVES - Word-of-mouth-Assisting Virtual Environments -- Immune Network-based Clustering for WWW Information Gathering/Visualization -- Interactive Web Page Retrieval with Relational Learning-based Filtering Rules -- Monitoring Partial Update of Web Pages by Interactive Relational Learning -- Context-based Classification of Technical Terms Using Support Vector Machines -- Intelligent Tickers: An Information Integration Scheme for Active Information Gathering -- II. User Centered Mining -- Discovery of Concept Relation Rules Using an Incomplete Key Concept Dictionary -- Mining Frequent Substructures from Web -- Towards the Discovery of Web Communities from Input Keywords to a Search Engine -- Temporal Spatial Index Techniques for OLAP in Traffic Data Warehouse -- Knowledge Discovery from Structured Data by Beam-wise Graph-Based Induction -- PAGA Discovery: A Worst-Case Analysis of Rule Discovery for Active Mining -- Evaluating the Automatic Composition of Inductive Applications Using StatLog Repository of Data Set -- Fast Boosting Based on Iterative

Data Squashing -- Reducing Crossovers in Reconciliation Graphs Using the Coupling Cluster Exchange Method with a Genetic Algorithm -- Outlier Detection using Cluster Discriminant Analysis -- III. User Reaction and Interaction -- Evidence-Based Medicine and Data Mining: Developing a Causal Model via Meta-Learning Methodology -- KeyGraph for Classifying Web Communities -- Case Generation Method for Constructing an RDR Knowledge Base -- Acquiring Knowledge from Both Human Experts and Accumulated Data in an Unstable Environment.

Active Participation of Users with Visualization Tools in the Knowledge Discovery Process -- The Future Direction of Active Mining in the Business World -- Topographical Expression of a Rule for Active Mining -- The Effect of Spatial Representation of Information on Decision Making in Purchase -- A Hybrid Approach of Multiscale Matching and Rough Clustering to Knowledge Discovery in Temporal Medical Databases -- Meta Analysis for Data Mining -- Author Index -- A -- B -- C -- F -- H -- I -- K -- M -- N -- O -- S -- T -- U -- W -- Y.

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Sommario/riassunto

Focusing on data mining, this work is a joint effort from researchers in Japan, and includes a report on the forefront of data collection, user-centred mining and user interaction/reaction. It offers an overview of modern solutions with real-world applications, sharing hard-learned experiences.

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