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Nota di contenuto	Intro -- Title -- Preface -- Organization -- Table of Contents -- Retrieval in CBR Using a Combination of Similarity and Association Knowledge -- Introduction -- Motivation -- Related Work -- Background of Similarity and Association Knowledge -- Background of Similarity Knowledge -- Background of Association Knowledge -- Association Knowledge Formalization -- The USIMSCAR Algorithm -- Evaluation -- Results and Analysis -- Conclusion and Future Work -- References -- A Clustering Approach Using Weighted Similarity Majority

Margins -- Introduction -- Dual Similarity-Dissimilarity Modelling -- Pairwise Similarity and Dissimilarity Statements -- Taking into Account Strong Dissimilarities -- The Condorcet Similarity Graph -- Definition of the Clusters -- Clustering Algorithm -- Results -- Conclusions and Perspectives -- References -- A False Negative Maximal Frequent Itemset Mining Algorithm over Stream -- Introduction -- Preliminaries -- Frequent Itemsets -- Maximal Frequent Itemsets -- Chernoff Bound -- A Naive Method -- FNMFiMoDS Algorithm -- Data Structure -- Mining Strategies -- FNMFiMoDS -- Experimental Results -- Running Time Cost and Memory Cost Evaluation -- Precision and Recall -- Conclusions -- References -- A Graph Enrichment Based Clustering over Vertically Partitioned Data -- Introduction -- Problem Statement -- Graph Enrichment Based Clustering Approach -- Graph Construction -- Graph Updating -- Graph Partitioning -- Experimental Results -- Quality of the Obtained Partition -- Effect of Noise on the Enrichment Performance -- Conclusion -- References -- A Method for Finding Groups of Related Herbs in Traditional Chinese Medicine -- Introduction -- Method Overview -- Obtaining Dataset of Paired Herbs -- Data Preprocessing for TCM Digital Books -- Group Detection -- Herbal Network -- Partitioning the Network into Groups -- Experiments.

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Sommario/riassunto

The two-volume set LNAI 7120 and LNAI 7121 constitutes the refereed proceedings of the 7th International Conference on Advanced Data Mining and Applications, ADMA 2011, held in Beijing, China, in December 2011. The 35 revised full papers and 29 short papers presented together with 3 keynote speeches were carefully reviewed and selected from 191 submissions. The papers cover a wide range of topics presenting original research findings in data mining, spanning applications, algorithms, software and systems, and applied disciplines.
