

1. Record Nr.	UNISA996465624503316
Titolo	Mining Complex Data [[electronic resource]] : ECML/PKDD 2007 Third International Workshop, MDC 2007, Warsaw, Poland, September 17-21, 2007, Revised Selected Papers / / edited by Zbigniew W. Ras, Shusaku Tsumoto, Djamel A. Zighed
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-68416-6
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (X, 265 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 4944
Disciplina	006.312
Soggetti	Data mining Information storage and retrieval Data structures (Computer science) Data Mining and Knowledge Discovery Information Storage and Retrieval Data Structures Data Storage Representation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Session A1 -- Using Text Mining and Link Analysis for Software Mining -- Generalization-Based Similarity for Conceptual Clustering -- Trajectory Analysis of Laboratory Tests as Medical Complex Data Mining -- Session A2 -- Conceptual Clustering Applied to Ontologies -- Feature Selection: Near Set Approach -- Evaluating Accuracies of a Trading Rule Mining Method Based on Temporal Pattern Extraction -- Session A3 -- Discovering Word Meanings Based on Frequent Termsets -- Quality of Musical Instrument Sound Identification for Various Levels of Accompanying Sounds -- Discriminant Feature Analysis for Music Timbre Recognition and Automatic Indexing -- Session A4 -- Contextual Adaptive Clustering of Web and Text Documents with Personalization -- Improving Boosting by Exploiting Former Assumptions -- Discovery of Frequent Graph Patterns that Consist of the Vertices with the Complex Structures -- Session B1 -- Finding

Composite Episodes -- Ordinal Classification with Decision Rules -- Data Mining of Multi-categorized Data -- ARAS: Action Rules Discovery Based on Agglomerative Strategy -- Session B2 -- Learning to Order: A Relational Approach -- Using Semantic Distance in a Content-Based Heterogeneous Information Retrieval System -- Using Secondary Knowledge to Support Decision Tree Classification of Retrospective Clinical Data -- POM Centric Multi-aspect Data Analysis for Investigating Human Problem Solving Function.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third International Workshop on Mining Complex Data, MCD 2007, held in Warsaw, Poland, in September 2007, co-located with ECML and PKDD 2007. The 20 revised full papers presented were carefully reviewed and selected; they present original results on knowledge discovery from complex data. In contrast to the typical tabular data, complex data can consist of heterogenous data types, can come from different sources, or live in high dimensional spaces. All these specificities call for new data mining strategies.

2. Record Nr.

Autore

Titolo

Pubbl/distr/stampa

UNINA9910684593903321

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Microbiomics and sustainable crop production / / Mohammad Yaseen Mir and Saima Hamid

Chichester, England : , : John Wiley & Sons Ltd, , [2023]

©2023

ISBN

1-119-79935-X

1-119-79933-3

Descrizione fisica

1 online resource (339 pages)

Disciplina

630.2086

Soggetti

Crops and soils

Plant-soil relationships

Soil fertility

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Nota di bibliografia

Includes bibliographical references and index.

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