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Descrizione fisica	1 online resource (342 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 14914
Disciplina	003.54
Soggetti	Artificial intelligence Computer engineering Computer networks Computer science Application software Artificial Intelligence Computer Engineering and Networks Theory of Computation Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Theory -- Sub-directly irreducible and semi-simple double Boolean algebras -- The Birkhoff completion of finite lattices -- Towards a generalized modus ponens based on the -index of inclusion -- Efficiency of fuzzy decision algorithms based on the strength of decision rules -- Comparing Relational Concept Analysis and Graph-FCA on their common ground -- Algorithms, Methods, and Resources Shapley value in classification problems with Triadic Formal Concept Analysis -- What is the intrinsic dimension of your binary data? — and how to compute it quickly -- Rearrangement of fuzzy formal contexts for reducing cost of algorithms -- What can FCA-based Boolean matrix factorization do for object-attribute biclustering -- FCAvizIR: Exploring Relational Data Set's Implications using Metrics and Topics -- Realizability of Rectangular Euler Diagrams -- Spanning Concept Trees: Algorithms and Interaction -- A Repository for Formal Contexts --

Applications -- Conceptual Mapping of Controversies -- Conceptual Knowledge Modelling for Human-AI Teaming in Data-Frugal Industrial Environments -- Handling Knowledge over Moving Object Trajectories using Formal Concept Analysis -- Discovering the Structure of Odorants in *Caenorhabditis elegans* using Formal Concept Analysis -- Exploiting Formal Concept Analysis for Data Modeling in Data Lakes -- Document Classification via Stable Graph Patterns and Conceptual AMR Graphs -- Exploring Old Arabic Remedies with Formal and Relational Concept Analysis -- Enhancing JAAD with Knowledge Graphs for Improved Pedestrian Crossing Predictions -- Symbolic Artificial Intelligence for Schema Therapy using Knowledge Graphs.

Sommario/riassunto

This book constitutes the proceedings of the First International Joint Conference on Conceptual Knowledge Structures, CONCEPTS 2024, which took place in Cádiz, Spain, during September 9-13, 2024. The conference is an amalgamation of the 18th International Conference on Formal Concept Analysis (ICFCA); the 17th International Conference on Concept Lattices and Their Applications (CLA); and the 28th International Conference on Conceptual Structures (ICCS). The 18 full and 4 short papers included in this book were carefully reviewed and selected from 38 submissions. They were organized in topical sections as follows: Theory; algorithms, methods, and resources; applications. .
