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Nota di contenuto	Papers -- Extension of Regression Tsetlin Machine for Interpretable Uncertainty Assessment -- GUCON: A Generic Graph Pattern based Policy Framework for Usage Control Enforcement -- Combining Proofs for Description Logic and Concrete Domain Reasoning -- Notation3 as an Existential Rule Language -- Fine-tuning Large Enterprise Language Models via Ontological Reasoning -- Layerwise Learning of Mixed Conjunctive and Disjunctive Rule Sets -- Analyzing Termination for

Prev-Aware Fragments of Communicating Datalog Programs --
Marrying Query Rewriting and Knowledge Graph Embeddings -- Lore:
Educational Deductive Database System -- Comparing State of the Art
Rule-Based Tools for Information Extraction -- A Case Study for
Declarative Pattern Mining in Digital Forensics -- Semantic Role
Assisted Natural Language Rule Formalization for Intelligent Vehicle --
FreeCHR: An Algebraic Framework for CHR-Embeddings -- Explaining
the optimal trajectories -- Abstract Domains for Database Manipulating
Processes -- Extracting Interpretable Hierarchical Rules from Deep
Neural Networks' Latent Space.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Joint Conference on Rules and Reasoning, RuleML+RR 2023, held in Oslo, Norway, during September 18–20, 2023. The 13 full papers and 3 short papers included in these proceedings were carefully reviewed and selected from 46 submissions. They focus on all aspects of theoretical advances; novel technologies; innovative applications; knowledge representation; reasoning with rules; and research, development, applications of rule-based systems. .
