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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Process mining -- Decision Mining with Time Series Data Based on Automatic Feature Generation -- Inferring A Multi-Perspective Likelihood Graph from Black-Box Next Event Predictors -- Bootstrapping Generalization of Process Models Discovered From Event Data -- Learning Accurate Business Process SimulationModels from Event Logs via Automated Process Discovery and Deep Learning -- Multi-perspective Process Analysis: Mining the Association between Control Flow and Data Objects -- Sustainable and explainable applications -- Towards Greener Applications: Enabling Sustainable-aware Cloud Native Applications Design -- Towards Explainable

Artificial Intelligence in Financial Fraud Detection: Using Shapley Additive Explanations to Explore Feature Importance -- Tools and methods to support research and design -- Systematic Literature Review Search Query Refinement Pipeline: Incremental Enrichment and Adaptation -- A model-driven approach for systematic reproducibility and replicability of data science projects -- The Aircraft and its Manufacturing System: From Early Requirements to Global Design -- Process modeling -- Causal Reasoning over Decisions in Process Models -- Crop Harvest Forecast via Agronomy-informed Process Modelling and Predictive Monitoring -- Guiding Knowledge Workers under Dynamic Contexts -- Natural language processing techniques in IS engineering -- Context Knowledge-aware Recognition of Composite Intents in Task-oriented Human-Bot Conversations -- Crowdsourcing syntactically diverse paraphrases with diversity-aware prompts and workflows -- A Subject-aware Attention Hierarchical Tagger for Joint Entity and Relation Extraction -- Process monitoring and simulation -- Estimating Activity Start Timestamps in the presence of Waiting Times via Process Simulation -- Updating prediction models for predictive process monitoring -- Multi-Model Monitoring Framework for Hybrid Process Specifications -- Graph and network models -- Mining valuable collaborations from event data using the Recency-Frequency-Monetary principle -- Querying temporal property graphs -- A Supervised Learning Community Detection Method Based on Attachment Graph Model -- Model analysis and comprehension -- Soundness of data-aware processes with arithmetic conditions -- Narration as a Technique to Improve Process Model Comprehension: Tell Me What I Cannot See -- Analyzing Enterprise Architecture Models by Means of the Meta Attack Language -- Recommender systems -- Enhancing Semantics-Driven Recommender Systems with Visual Features -- Assisting Mentors in Selecting Newcomers' Next Task in Software Product Lines: A Recommender System Approach -- Conceptual models, metamodels and taxonomies -- Towards Interoperable Metamodeling Platforms: The Case of Bridging ADOxx and EMF -- Services engineering and digitalization Situation Awareness for Autonomous Vehicles Using Blockchain-based Service Cooperation -- How Big Service and Internet of Services Drive Business Innovation and Transformation -- Time-Cost Tradeoffs for Composed Services. .

Sommario/riassunto

This book constitutes the refereed proceedings of the 34th International Conference on Advanced Information Systems Engineering, CAiSE 2022, which was held in Leuven, Belgium, during June 6-10, 2022. The 31 full papers included in these proceedings were selected from 203 submissions. They were organized in topical sections as follows: Process mining; sustainable and explainable applications; tools and methods to support research and design; process modeling; natural language processing techniques in IS engineering; process monitoring and simulation; graph and network models; model analysis and comprehension; recommender systems; conceptual models, metamodels and taxonomies; and services engineering and digitalization.
