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Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15669
Disciplina	005.7
Soggetti	Database management Education - Data processing Image processing - Digital techniques Computer vision Artificial intelligence Machine learning Natural language processing (Computer science) Database Management System Computers and Education Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Machine Learning Natural Language Processing (NLP)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Applications of Data Science -- Credal Knowledge Tracing for Imprecise and Uncertain MCQ -- Development of Models to Quantify Training Load in Outdoor Running using Inertial Sensors -- Estimating the Learning Capacity of Bacterial Metabolic Networks -- Semi-supervised learning with pairwise instance comparisons for medical instance classification -- Local-global Data Augmentation for Contrastive Learning in Static Sign Language Recognition -- SiamCircle: Trajectory Representation Learning in Free Settings -- Synthetic Tabular Data

Detection In the Wild -- Assessing the Impact of Graph Structure
 Learning in Graph Deviation Networks -- Foundations of Data Science
 -- The When and How of Target Variable Transformations -- Balancing
 performance and scalability of demand forecasting ML models --
 Balancing global importance and source proximity for personalized
 recommendations using random walk length -- Counterintuitive
 Behavior of Clustering Quality: Findings for K-Means on Synthetic and
 Real Data -- BOWSA: a contribution of sensitivity analysis to improve
 Bayesian optimization for parameter tuning -- Overfitting in Combined
 Algorithm Selection and Hyperparameter Optimization -- Local
 Subgroup Discovery on Attributed Network Graphs -- Imposing
 Constraints in Probabilistic Circuits via Gradient Optimization --
 Natural Language Processing -- Improving Next Tokens via Second-
 Last Predictions with 'Generate and Refine' -- Detection of Large
 Language Model Contamination with Tabular Data -- Imbalanced Data
 Clustering via Targeted Data Augmentation Using GMM and LLM --
 Make Literature-Based Discovery Great Again through Reproducible
 Pipelines -- Extracting information in a low-resource setting: case
 study on bioinformatics workflows -- Vocabulary Quality in NLP
 Datasets: An Autoencoder-Based Framework Across Domains and
 Languages -- Temporal and Streaming Data Expertise Prediction of
 Tetris Players Using Eye Tracking Information -- Integrating Inverse
 and Forward Modeling for Sparse Temporal Data from Sensor Networks
 -- Bridging Spatial and Temporal Contexts: Sparse Transfer Learning --
 Meta-learning and Data Augmentation for Stress Testing Forecasting
 Models -- Pragmatic Paradigm for Multi-stream Regression -- Two-in-
 one Models for Event Prediction and Time Series Forecasting.
 Comparison of Four Deep Learning Approaches to Simulate a Digital
 Patient under Anesthesia -- An Analysis of Temporal Dropout in Earth
 Observation Time Series for Regression Tasks -- Performative Drift
 Resistant Classification using Generative Domain Adversarial Networks
 -- Explainable and Interpretable Data Science -- Extracting Moore
 Machines from Transformers using Queries and Counterexamples --
 Obtaining Example-Based Explanations from Deep Neural Networks --
 Relevance-aware Algorithmic Recourse -- Expanding Polynomial
 Kernels for Global and Local Explanations of Support Vector Machines
 -- A Constrained Declarative Based Approach for Explainable
 Clustering.

Sommario/riassunto

This volume constitutes the proceedings of the 23rd International
 Symposium on Intelligent Data Analysis, IDA 2025, which was held in
 Konstanz, Germany, during May 7–9, 2025. The 35 full papers included
 in the proceedings were carefully reviewed and selected from 91
 submissions. They were organized in topical sections as follows:
 Applications of data science, foundations of data science; natural
 language processing; temporal and streaming data; and explainable
 and interpretable data science. .