

1. Record Nr.	UNISA996466327903316
Titolo	Advances in Intelligent Data Analysis XVII [[electronic resource]] : 17th International Symposium, IDA 2018, 's-Hertogenbosch, The Netherlands, October 24–26, 2018, Proceedings // edited by Wouter Duivesteijn, Arno Siebes, Antti Ukkonen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-030-01768-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIII, 394 p. 133 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 11191
Disciplina	006.4
Soggetti	Database management Artificial intelligence Computers Application software Database Management Artificial Intelligence Information Systems and Communication Service Computer Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Elements of an Automatic Data Scientist -- The Need for Interpretability Biases Open Data Science -- Automatic POI Matching Using an Outlier Detection Based Approach -- Fact Checking from Natural Text with Probabilistic Soft Logic -- ConvoMap: Using Convolution to Order Boolean Data -- Training Neural Networks to distinguish craving smokers, non-craving smokers, and non-smokers -- Missing Data Imputation via Denoising Autoencoders: the untold story -- Online Non-Linear Gradient Boosting in Multi-Latent Spaces -- MDP-based Itinerary Recommendation using Geo-Tagged Social Media -- Multiview Learning of Weighted Majority Vote by Bregman Divergence Minimization -- Non-Negative Local Sparse Coding for Subspace Clustering -- Pushing the Envelope in Overlapping Communities

Detection.-Right for the Right Reason: Training Agnostic Networks -- Link Prediction in Multi-Layer Networks and its Application to Drug Design -- A hierarchical Ornstein-Uhlenbeck model for stochastic time series analysis -- Analysing the footprint of classifiers in overlapped and imbalanced contexts -- Tree-based Cost Sensitive Methods for Fraud Detection in Imbalanced Data -- Reduction Stumps for Multi-Class Classification -- Decomposition of quantitative Gelfand graphs as a data analysis tool -- Exploring the Effects of Data Distribution in Missing Data Imputation -- Communication-free Widened Learning of Bayesian Network Classifiers Using Hashed Fiedler Vectors -- Expert finding in Citizen Science platform for biodiversity monitoring via weighted PageRank algorithm -- Random forests with latent variables to foster feature selection in the context of highly correlated variables. Illustration with a bioinformatics application.-Don't Rule Out Simple Models Prematurely: a Large Scale Benchmark Comparing Linear and Non-linear Classifiers in OpenML -- Detecting Shifts in Public Opinion: a big data study of global news content -- Biased Embeddings from Wild Data: Measuring, Understanding and Removing -- Real-Time Excavation Detection at Construction Sites using Deep Learning -- COBRAS: Interactive Clustering with Pairwise Queries -- Automatically Wrangling Spreadsheets into Machine Learning Data Formats -- Learned Feature Generation for Molecules.

Sommario/riassunto

This book constitutes the conference proceedings of the 17th International Symposium on Intelligent Data Analysis, which was held in October 2018 in 's-Hertogenbosch, the Netherlands. The traditional focus of the IDA symposium series is on end-to-end intelligent support for data analysis. The 29 full papers presented in this book were carefully reviewed and selected from 65 submissions. The papers cover all aspects of intelligent data analysis, including papers on intelligent support for modeling and analyzing data from complex, dynamical systems.
