

1. Record Nr.	UNISA996464435203316
Titolo	Intelligent information and database systems : 13th Asian Conference, ACIIDS 2021, Phuket, Thailand, April 7-10, 2021, proceedings // Ngoc Thanh Nguyen [and three others] editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-73280-0
Descrizione fisica	1 online resource (xxxi, 867 pages) : illustrations
Collana	Lecture Notes in Computer Science ; ; v.12672
Disciplina	006.33
Soggetti	Expert systems (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Conference Organization -- Contents -- Data Mining Methods and Applications -- Mining Partially-Ordered Episode Rules in an Event Sequence -- 1 Introduction -- 2 Problem Definition -- 3 The POERM Algorithm -- 4 Experimental Evaluation -- 5 Conclusion -- References -- Investigating Crossover Operators in Genetic Algorithms for High-Utility Itemset Mining -- 1 Introduction -- 2 Preliminaries -- 3 The Headless Chicken Test for HUIM Using GAs -- 4 Experiments and Results -- 4.1 Runtime -- 4.2 Discovered HUIs -- 4.3 Convergence -- 5 Conclusion -- References -- Complexes of Low Dimensional Linear Classifiers with L1 Margins -- 1 Introduction -- 2 Linear Separability of Feature Vectors -- 3 Dual Hyperplanes and Vertices in the Parameter Space -- 4 Perceptron Criterion Function -- 5 Basis Exchange Algorithms -- 6 Reduced Criterion Functions -- 7 Complexes of Linear Classifiers -- 8 Concluding Remarks -- References -- Automatic Identification of Bird Species from Audio -- 1 Introduction -- 2 State of Art -- 2.1 Preprocessing and Feature Extraction -- 2.2 Deep Learning for Sound Classification -- 2.3 Other Approaches -- 3 Our Approach -- 3.1 Pre-processing -- 3.2 Feature Extraction -- 3.3 Deep Learning Model Architectures -- 4 Experiments and Evaluation -- 4.1 Evaluation Metrics -- 4.2 Experiments -- 4.3 Best Results -- 5 Conclusions and Future Work -- References -- Session Based Recommendations Using Recurrent Neural Networks -

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