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Disciplina	006.3
Soggetti	Artificial intelligence Data mining Pattern recognition systems Application software Algorithms Computer networks Artificial Intelligence Data Mining and Knowledge Discovery Automated Pattern Recognition Computer and Information Systems Applications Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Invited Talks -- Discriminative Dimensionality Reduction for Data Inspection and Classifier Visualization -- Multimodality in Data Clustering: Application to Video Summarization -- Machine Learning of Motor Skills for Robots: From Simple Skills to Table Tennis and Manipulation -- Machine Learning Based Bioinformatics as a Tool for Big-Bata Analytics on Molecular Biology Datasets -- Contents -- Medical Artificial Intelligence Modeling (MAIM) -- A Cumulative Training Approach to Schistosomiasis Vector Density Prediction -- 1 Introduction -- 2 Experiment Data -- 3

Methods -- 3.1 Feature Assessment -- 3.2 Information Gain -- 4  
 Cumulative Training Approach (CTA) -- 5 Conclusion -- References --  
 A Mobile and Evolving Tool to Predict Colorectal Cancer Survivability --  
 1 Introduction -- 2 Related Work -- 3 CRCPredictor: An Application for  
 Survivability Prediction -- 3.1 Requirements for the Survivability  
 Prediction Tool -- 3.2 Colon and Rectal Cancer Survivability Prediction  
 Models -- 3.3 Architecture -- 3.4 Use Case -- 4 Analysis and  
 Discussion -- 5 Conclusions and Future Work -- References -- An  
 Implementation of a Decision-Making Algorithm Based on a Novel  
 Health Status Transition Model of Epilepsy -- 1 Introduction -- 2  
 Transition Model of Epilepsy -- 3 The Implementation of the Model's  
 Decision-Making Algorithm -- 3.1 The Applied Implementation Method  
 -- 3.2 Ontology Engineering for Epilepsy -- 3.3 Implementation of the  
 Decision-Making Algorithm -- 3.4 Input Data to the Decision-Making  
 Algorithm -- 4 Evaluation of the Proposed Model -- 4.1 Kate's Epileptic  
 Medical History and Profile -- 4.2 Kate's Telemonitoring Through the  
 Proposed Algorithm -- 4.3 Discussion -- 5 Conclusions -- References.  
 Integrative Bioinformatic Analysis of a Greek Epidemiological Cohort  
 Provides Insight into the Pathogenesis of Primary Cutaneous Melanoma  
 -- Abstract -- 1 Introduction -- 2 Materials and Methods -- 2.1  
 Analysis of Next Generation Exome Sequencing Data -- 2.2 Analysis of  
 Transcriptomic Data -- 3 Results and Discussion -- 3.1 Mutational  
 Data Derived from Exome Sequencing -- 3.2 Transcriptomic Data --  
 3.3 Data Integration -- 4 Conclusions and Future Work --  
 Acknowledgements -- References -- Machine Learning Preprocessing  
 Method for Suicide Prediction -- Abstract -- 1 Introduction -- 2  
 Suicide - Suicidal Ideation -- 3 What is Depression? -- 4 Data  
 Collection -- 5 Description of Machine Learning Methods -- 5.1 Data  
 Pre-processing Methods -- 5.1.1 Feature Selection -- 5.2 Short  
 Description of Suggested Data Pre-processing Method -- 6  
 Experimental Results -- 7 Conclusions -- References -- Classification  
 - Pattern Recognition (CLASPR) -- Using Frequent Fixed or Variable-  
 Length POS Ngrams or Skip-Grams for Blog Authorship Attribution -- 1  
 Introduction -- 2 Related Work -- 3 The Proposed Approach -- 4  
 Experimental Evaluation -- 4.1 Influence of Parameters  $n$ ,  $x$ ,  $k$ , and  
 $\text{maxgap}$  on Overall Results -- 4.2 Influence of Parameters  $n$ ,  $x$  and  $k$  on  
 Authorship Attribution for Each Author -- 5 Conclusions -- References  
 -- Increasing Diversity in Random Forests Using Naive Bayes -- 1  
 Introduction -- 2 Background Material -- 3 The Proposed Method --  
 3.1 Numerical Experiments -- 4 Conclusions and Future Work --  
 References -- Identifying Asperity Patterns Via Machine Learning  
 Algorithms -- Abstract -- 1 Introduction -- 2 Materials and Methods  
 -- 2.1 Seismic Data -- 2.2 Data Representation -- 2.3 Feature Vector  
 Extraction -- 3 Machine Learning Algorithms -- 4 Experimental Process  
 -- 5 Evaluation -- 6 Conclusion -- Acknowledgments -- References.  
 Combining Prototype Selection with Local Boosting -- 1 Introduction --  
 2 Background Material -- 2.1 Local Weighted Learning and Prototype  
 Selection -- 2.2 Boosting Classifiers -- 3 The Proposed Algorithm -- 4  
 Numerical Experiments -- 4.1 Prototype Selection -- 4.2 Using  
 Decision Stump as Base Classifier -- 4.3 Using Two-Level Decision Tree  
 as a Base Classifier -- 4.4 Time Analysis -- 5 Synopsis and Future Work  
 -- References -- Convolutional Neural Networks for Pose Recognition  
 in Binary Omni-directional Images -- Abstract -- 1 Introduction -- 2  
 Methodology -- 2.1 Overview of the Method -- 2.2 Calibration of the  
 Fish-Eye Camera -- 2.3 Synthetically Generated Silhouettes -- 2.4  
 Convolutional Neural Networks -- 3 Results -- 4 Conclusions and  
 Further Work -- References -- Ontology-Web and Social Media AI  
 Modeling (OWESOM) -- The eLOD Ontology: Modeling Economic Open

Data -- Abstract -- 1 Introduction - Related Works -- 2 eLOD  
 Ontology: Modelling Economic Data Under Semantics -- 2.1  
 Description of Sources and Vocabularies Used -- 2.2 The ELOD  
 Ontological Schema -- 2.3 Approach and Reuse -- 3 Asking the Data:  
 A Case Study -- 4 Discussion - Future Work -- Acknowledgements --  
 Appendix -- References -- Web Image Indexing Using WICE and a  
 Learning-Free Language Model -- 1 Introduction -- 2 Related Work --  
 2.1 WICE Methods -- 2.2 Web Image Indexing from Concise Text  
 Fragments -- 3 The Proposed Method -- 3.1 The WICE Algorithm --  
 3.2 An English Language Model for Image Retrieval -- 4 Experimental  
 Evaluation -- 5 Conclusion and Further Work -- References -- An  
 Intelligent Internet Search Assistant Based on the Random Neural  
 Network -- Abstract -- 1 Introduction -- 2 Related Work -- 3 The  
 Intelligent Internet Search Assistant Model -- 3.1 Search Model -- 3.2  
 Result Cost Function -- 3.3 User Iteration -- 3.4 Dimension Learning  
 -- 3.5 Gradient Descent Learning.  
 3.6 Reinforcement Learning -- 4 Validation -- 4.1 ISA Learning -- 5  
 Conclusions -- References -- Deep Neural Networks for Web Page  
 Information Extraction -- 1 Introduction -- 2 Related Work -- 3  
 Architecture Overview -- 4 Neural Network -- 4.1 Spatial Text  
 Encoding -- 4.2 Network Architecture -- 4.3 Training -- 5 Spatial  
 Probability Distribution -- 6 Experiments -- 6.1 Data Set -- 6.2  
 Baseline Models -- 6.3 Results -- 7 Conclusions -- References --  
 Environmental AI Modeling (ENAIM) -- Modeling Beach Rotation Using a  
 Novel Legendre Polynomial Feedforward Neural Network Trained by  
 Nonlinear Constrained Optimization -- Abstract -- 1 Introduction -- 2  
 Experimental Setup and Raw Data Extraction -- 3 The Proposed  
 Legendre Polynomial Feedforward Network -- 4 Simulation Study -- 5  
 Summary and Conclusions -- Acknowledgments -- References --  
 Environmental Impact on Predicting Olive Fruit Fly Population Using  
 Trap Measurements -- Abstract -- 1 Introduction -- 2 Data Collection  
 -- 2.1 Environmental Data -- 2.2 Feature Selection -- 2.3 Feature  
 Vector Extraction -- 3 Machine Learning Algorithms -- 4 Experimental  
 Process -- 5 Evaluation -- 6 Conclusion -- Acknowledgments --  
 References -- A Hybrid Soft Computing Approach Producing Robust  
 Forest Fire Risk Indices -- Abstract -- 1 Introduction -- 1.1 Literature  
 Review -- 1.2 Innovations of the Proposed Methodology -- 1.3 Data --  
 1.4 Areas of Study -- 2 Theoretical Framework and Methodology -- 2.1  
 Fuzzy Inference Systems -- 2.2 T-Norms -- 2.3 Chi-Square Test -- 3  
 Description of the Proposed Methodology -- 3.1 The Algorithm -- 4  
 Results and Discussion -- 5 Conclusions and Future Work --  
 References -- Applying Artificial Neural Networks to Short-Term PM2.5  
 Forecasting Modeling -- Abstract -- 1 Introduction -- 2 The Artificial  
 Neural Network Approach for Short-Term PM2.5 Forecasting.  
 3 The PM2.5 Forecasting Model Development Protocol -- 4  
 Experimental Results -- 5 Conclusions -- Acknowledgements --  
 References -- AIRuleBased Modeling (AIRUMO) -- Modeling Mental  
 Workload Via Rule-Based Expert System: A Comparison with NASA-TLX  
 and Workload Profile -- 1 Introduction -- 2 Related Work -- 2.1 Mental  
 Workload Assessment Techniques -- 2.2 Mental Workload and Rule-  
 Based Expert System -- 3 Design and Methodology -- 3.1 Knowledge  
 Base (KB) -- 3.2 Inference Engine -- 4 Data Collection, Elicitation of  
 Models and Evaluation -- 4.1 Validity -- 4.2 Sensitivity -- 4.3 Summary  
 of Findings -- 5 Conclusion and Future Work -- References --  
 Convolutional Audio Source Separation Using Robust ICA and Reduced  
 Likelihood Ratio Jump -- 1 Introduction -- 2 Instantaneous Complex  
 Source Separation -- 2.1 The FastICA Algorithm -- 2.2 The RobustICA  
 Algorithm -- 3 Frequency-Domain Source Separation -- 3.1 Likelihood

Ratio Jump -- 3.2 Reduced Likelihood Ratio Jump -- 4 Experiments --  
4.1 Evaluation Process -- 4.2 Performance Comparison -- 5 Conclusion  
-- References -- Association Rules Mining by Improving the  
Imperialism Competitive Algorithm (ARMICA) -- Abstract -- 1  
Introduction -- 2 Related Work -- 3 Imperialism Competitive Algorithm  
(ICA) -- 3.1 Creating the Initial Empires -- 3.2 Total Empire Power -- 4  
Proposed Method -- 4.1 Example -- 5 Evaluation -- 6 Discussion -- 7  
Conclusion and Future Work -- Acknowledgements -- References --  
Use of Flight Simulators in Analyzing Pilot Behavior -- Abstract -- 1  
Introduction -- 2 Mathematical Equation of Human Behavior -- 3  
Description of Experimental Workplace and Measurement Procedure --  
3.1 Flight Simulator at the University of Defence -- 3.2 Experimental  
Flight Task -- 4 Measurement and Data Analysis -- 5 Conclusion --  
Acknowledgments -- References -- Machine Learning-Learning (MALL).  
Active Learning Algorithms for Multi-label Data.

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## Sommario/riassunto

This book constitutes the refereed proceedings of the 12th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2016, and three parallel workshops, held in Thessaloniki, Greece, in September 2016. The workshops are the Third Workshop on New Methods and Tools for Big Data, MT4BD 2016, the 5th Mining Humanistic Data Workshop, MHDW 2016, and the First Workshop on 5G - Putting Intelligence to the Network Edge, 5G-PINE 2016. The 30 revised full papers and 8 short papers presented at the main conference were carefully reviewed and selected from 65 submissions. The 17 revised full papers and 7 short papers presented at the 3 parallel workshops were selected from 33 submissions. The papers cover a broad range of topics such as artificial neural networks, classification, clustering, control systems - robotics, data mining, engineering application of AI, environmental applications of AI, feature reduction, filtering, financial-economics modeling, fuzzy logic, genetic algorithms, hybrid systems, image and video processing, medical AI applications, multi-agent systems, ontology, optimization, pattern recognition, support vector machines, text mining, and Web-social media data AI modeling. .

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