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Soggetti	Artificial intelligence Algorithms Computer networks Application software Education - Data processing Artificial Intelligence Design and Analysis of Algorithms Computer Communication Networks Computer and Information Systems Applications Computers and Education
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Nota di contenuto	-- Neural Networks and Their Applications. -- Evaluating Neural Network Models for Accurate Prediction of Network Traffic Load. -- Practical considerations in implementing neural network training with vector instructions. -- Utilizing Pointer Generator Network for Vietnamese Spelling Error Correction. -- Assessing generalization

capability of text ranking models in Polish. -- Advancing GDPR Adherence: Leveraging Generative AI for In-Depth Privacy Policy Analysis in Android Apps. -- Speedup of training deep neural networks in the streaming approach using genetic algorithms with an application of drift detection. -- The Use of Synthetic Data in the Development of a Webshop User Profiling System. -- Fuzzy Hyperplane based Least Squares K-SVCR with Its Applications to Stock Trend Classification. -- Stock Movement Prediction by Using a Multi-Tasks Multi-Kernel Fuzzy Support Vector Machine with Parametric Margin. -- Graph-based Dialog Structure Modeling. -- Distracted driver recognition using CNN with dual self-attention module. -- Complex-Valued Restricted Boltzmann Machines for Learning Image Data Distributions. -- On Method of Training of LSTM Neural Network Based on Stability Conditions. -- Smooth Quadrature-Inspired Generalized Choquet Integral in an Application to Drone Engine Failures Detection. -- Researching ML Algorithms for Predicting FHB in Corn: A Case Study in Dnipro Region of Ukraine. -- Investigating HuBERT-based Speech Emotion Recognition Generalisation Capability. -- Comparison of Hyperparameter Tuning Optimization Methods for LSTM and Stock Price Prediction. -- Detecting and Warning Duplicate Job Postings on Job Portals. -- Randomness Versus Backpropagation in Machine Learning . -- Using BERT to Generate Contextualised Textual Images for Sentiment Analysis. -- Personality of AI. -- Crossing the Divide: Designing Layers of Explainability. -- Pattern Classification. -- Empowering Intelligent Database Systems Using an Adaptive Recommendation Algorithm. -- Handcrafted vs. Non-handcrafted features for acoustic scene classification. -- Effective High Utility Itemsets Mining Algorithm for Incremental Databases. -- Machine Learning for Gesture Recognition using Leap Motion Controller. -- Sun Magnetogram Search by Circle Sector Histograms and LSH. -- Enhancing Semantic Search through Domain Adaptation: A Case Study on the Mobifone News Dataset. -- Improving Anomaly Detection Methods Through Attribute Exclusion Using Isolation Forest. -- Classifier Ensemble Learning using Discrete Optimization. -- Class-Based Time Series Data Augmentation to Mitigate Extreme Class Imbalance for Solar Flare Prediction. -- An Efficient Clique-based Level-wise Search Algorithm for Spatial Prevalent Co-location Pattern Mining.

Sommario/riassunto

The two-volume set ICAISC 2024 15164, 15165 and 15166 constitutes the refereed proceedings of the 23rd International Conference on Artificial Intelligence and Soft Computing, ICAISC 2024, held in Zakopane, Poland, during June 16–20, 2024. The 96 full papers included in this book were carefully reviewed and selected from 179 submissions. They are organized in topical sections as follows: Part I - neural networks and their applications; pattern classification. Part II - evolutionary algorithms and their applications; artificial intelligence in modeling and simulation; computer vision, image and speech analysis. Part III - various problems of artificial intelligence; bioinformatics, biometrics and medical applications.