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Nota di contenuto	Local Decision Bagging of Binary Neural Classifiers -- Assessing the Impact of Changing Environments on Classifier Performance -- A Comparison of Sentiment Analysis Techniques: Polarizing Movie Blogs -- Some Simplified Forms of Reasoning with Distance-Based Entailments -- A Belief-Theoretic Reputation Estimation Model for Multi-context Communities -- A Frequency Mining-Based Algorithm for Re-ranking Web Search Engine Retrievals -- Multi-agent Framework for a Virtual Enterprise of Demand-Responsive Transportation -- Use of Fuzzy Histograms to Model the Spatial Distribution of Objects in Case-Based Reasoning -- Aspects of Inconsistency Resolution in Modular Ontologies -- Fast Markov Blanket Discovery Algorithm Via Local Learning within Single Pass -- Finding Topics in Email Using Formal Concept Analysis and Fuzzy Membership Functions -- Recognizing Biomedical Named Entities in Chinese Research Abstracts -- Point-Based Planning for Predictive State Representations -- Comparison of Pleomorphic and Structural Features Used for Breast Cancer Malignancy Classification -- Towards a Faster Inference Algorithm in Multiply Sectioned Bayesian Networks -- Using Dependence Diagrams to Summarize Decision Rule Sets -- A Fast Computation of Inter-class Overlap Measures Using Prototype

Reduction Schemes -- A Reputation Model Framework for Artificial Societies: A Case Study in Child Vehicle Safety Simulation -- Selective Sampling for Classification -- Full Border Identification for Reduction of Training Sets -- Choosing Best Algorithm Combinations for Speech Processing Tasks in Machine Learning Using MARF -- Predicting User Preferences Via Similarity-Based Clustering -- Mathematically Clinching a Playoff Spot in the NHL and the Effect of Scoring Systems -- An Intelligent Automatic Face Contour Prediction System -- Word Clustering with Validity Indices -- The Role of Nominalizations in Prepositional Phrase Attachment in GENIA -- A Statistical Model for Topic Segmentation and Clustering -- Image Transformation: Inductive Transfer between Multiple Tasks Having Multiple Outputs -- Using Unsupervised Learning for Network Alert Correlation -- Verbs Speak Loud: Verb Categories in Learning Polarity and Strength of Opinions -- A Stochastic Point-Based Algorithm for POMDPs -- Semi-supervised Self-training for Sentence Subjectivity Classification -- A Novel Approach for Social Behavior Analysis of the Blogosphere -- Seller Bidding in a Trust-Based Incentive Mechanism for Dynamic E-Marketplaces.

Sommario/riassunto

This book constitutes the refereed proceedings of the 21st Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2008, held in Windsor, Canada, in May 2008. The 30 revised full papers presented together with 5 revised short papers were carefully reviewed and selected from 75 submissions. The papers present original high-quality research in all areas of Artificial Intelligence and apply historical AI techniques to modern problem domains as well as recent techniques to historical problem settings.
