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A K-Nearest Neighbours Method Based on Lower Previsions -- Fuzzy Probabilities: Tentative Discussions on the Mathematical Concepts -- On Dealing with Imprecise Information in a Content Based Image Retrieval System -- An Extension of Stochastic Dominance to Fuzzy Random Variables -- Correlation of Intuitionistic Fuzzy Sets -- A Correlation Ratio for Possibility Distributions -- On Nonparametric Predictive Inference for Ordinal Data -- Using Cloudy Kernels for Imprecise Linear Filtering -- Peakedness and Generalized Entropy for Continuous Density Functions -- The Most Representative Utility Function for Non-Additive Robust Ordinal Regression -- Alternative Normalization Schemas for Bayesian Confirmation Measures -- Gender and Age Estimation from Synthetic Face Images -- Attribute Value Selection Considering the Minimum Description Length Approach and Feature Granularity -- Possibility Theory and Formal Concept Analysis: Context Decomposition and Uncertainty Handling -- A Parallel between Extended Formal Concept Analysis and Bipartite Graphs Analysis -- Negotiation as Creative Social Interaction Using Concept Hierarchies -- Estimating Top-k Destinations in Data Streams -- A Data Mining Algorithm for Inducing Temporal Constraint Networks -- Analysis of the Time Evolution of Scientograms Using the Subdue Graph Mining Algorithm -- Short-Time Prediction Based on Recognition of Fuzzy Time Series Patterns -- Time Series Comparison Using Linguistic Fuzzy Techniques -- Granular Approach for Evolving System Modeling -- Data Mining in Precision Agriculture: Management of Spatial Information -- Fuzzy Multivariable Gaussian Evolving Approach for Fault Detection and Diagnosis -- Dispersion Estimates for Telecommunications Fraud -- The Link Prediction Problem in Bipartite Networks -- Aggregation and Fusion -- Symmetrization of Modular Aggregation Functions -- Smooth Aggregation Functions on Finite Scales -- Dual Representable Aggregation Functions and Their Derived S-Implications -- Aggregation Functions with Stronger Types of Monotonicity -- Some Remarks on the Characterization of Idempotent Uninorms -- On the Median and Its Extensions -- Evidential Combination of Multiple HMM Classifiers for Multi-script Handwriting Recognition -- Using Uncertainty Information to Combine Soft Classifications -- Performance Evaluation of a Fusion System Devoted to Image Interpretation -- A New Adaptive Consensus Reaching Process Based on the Experts' Importance -- On the Robustness for the Choquet Integral -- Explicit Descriptions of Bisymmetric Sugeno Integrals -- Learning Fuzzy-Valued Fuzzy Measures for the Fuzzy-Valued Sugeno Fuzzy Integral -- Choquet Integration on Set Systems -- Necessity-Based Choquet Integrals for Sequential Decision Making under Uncertainty -- A Fuzzy-Rule-Based Approach to Contextual Preference Queries -- Extracting and Modelling Preferences from Dialogue -- Argumentation Framework with Fuzzy Preference Relations -- An Algorithm for Generating Consistent and Transitive Approximations of Reciprocal Preference Relations -- Preference Modeling and Model Management for Interactive Multi-objective Evolutionary Optimization -- Dominance-Based Rough Set Approach to Preference Learning from Pairwise Comparisons in Case of Decision under Uncertainty -- Uncertainty Handling -- Trimming Plethoric Answers to Fuzzy Queries: An Approach Based on Predicate Correlation -- Searching Aligned Groups of Objects with Fuzzy Criteria -- How to Translate Words into Numbers? A Fuzzy Approach for the Numerical Translation of Verbal Probabilities -- Plateau Regions: An Implementation Concept for Fuzzy Regions in Spatial Databases and GIS -- Genuine Linguistic Fuzzy Logic Control: Powerful and Successful Control Method -- Cytoplasm Contour Approximation Based on Color

Fuzzy Sets and Color Gradient -- Keeping Secrets in Possibilistic Knowledge Bases with Necessity-Valued Privacy Policies -- Inference with Fuzzy and Probabilistic Information -- Modelling Patterns of Evidence in Bayesian Networks: A Case-Study in Classical Swine Fever -- An Importance Sampling Approach to Integrate Expert Knowledge When Learning Bayesian Networks From Data -- Conflicts within and between Belief Functions -- Consonant Continuous Belief Functions Conflicts Calculation -- Credal Sets Approximation by Lower Probabilities: Application to Credal Networks -- Rule Discovery Process Based on Rough Sets under the Belief Function Framework -- Independent Natural Extension -- On Elementary Extensions in Fuzzy Predicate Logics -- Logical Proportions – Typology and Roadmap.