

1. Record Nr.	UNINA9910427675303321
Titolo	Integrated uncertainty in knowledge modelling and decision making : 8th International Symposium, IUKM 2020, Phuket, Thailand, November 11-13, 2020, proceedings // Van-Nam Huynh [and four others] editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] Â©2021
ISBN	3-030-62509-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIV, 432 p. 131 illus., 76 illus. in color.)
Collana	Lecture Notes in Artificial Intelligence ; ; 12482
Disciplina	003.54
Soggetti	Uncertainty (Information theory)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Uncertainty Management and Decision Support -- Outcome Range Problem in Interval Linear Programming: An Exact Approach -- Weak and Strong Consistency of an Interval Comparison Matrix -- The Facility Location Problem with a Joint Probabilistic Constraint -- The Advantage of Interval Weight Estimation over the Conventional Weight Estimation in AHP in Ranking Alternatives -- Decision Support Framework for Composing of Different Questionnaires based on Business Model with Optimization -- Algorithms for Generating Sets of Gambles for Decision Making with Lower Previsions -- PM 2.5 Problem in Chiang Mai, Thailand: The Application of Maximizing Expected Utility with Imbalanced Loss Functions -- Identification of the Direct and Indirect Drivers of Deforestation and Forest Degradation in Cambodia -- Unit Commitment Problem in the Deregulated Market -- Risk Impact Assessment and Prioritization in Multimodal Freight Transportation Systems -- Machine Learning -- Dynamic Features Spaces and Machine Learning: Open Problems and Synthetic Data Sets -- An Evidential Reasoning Framework for User Profiling Using Short Texts -- Basic Consideration of Co-clustering Based on Rough Set Theory -- Rank Estimators for Robust Regression: Approximate Algorithms, Exact Algorithms and Two-stage Methods -- A New Classification Technique Based on The Combination of Inner Evidence -- SOM-Based

Visualization of Potential Technical Solutions with Fuzzy Bag-of-Words
Utilizing Multi-view Information -- Machine Learning Applications --
Relative Humidity Estimation Based on Two Nested Kalman Filters with
Bicubic Interpolation for Commercial Cultivation of Tropical Orchids --
Customized Dynamic Pricing for Air Cargo Network via Reinforcement
Learning -- Analysis of the Determinants of CO2 Emissions: A Bayesian
LASSO Approach -- Comparison Between Original Texts and Their
Revisions to Improve Foreign Language Writing -- Motion Time Study
with Convolutional Neural Network -- Unsupervised Change Detection
in Multi-temporal Satellite Images Based on Structural Patch
Decomposition and k-means Clustering for Landslide Monitoring --
Nowcasting and Forecasting for Thailand's Macroeconomic Cycles Using
Machine Learning Algorithms -- Econometric Applications --
Dependence of Financial Institutions in China: An Analysis Based on
FDG Copula Model -- Evaluation and Forecasting of Functional Port
Technical Efficiency in ASEAN-4 -- A Spatial Analysis of International
Tourism Demand Model: the Exploration of ASEAN Countries --
Measurements of the Conditional Dependence Structure Among
Carbon, Fossil Energy and Renewable Energy Prices: Vine Copula Based
GJR-GARCH Model -- Prediction of Closing Stock Prices using the
Artificial Neural Network in the Market for Alternative Investment (MAI)
of the Stock Exchange of Thailand (SET) -- Estimating Fish Dispersal
using Interval Estimations for the Single Variance of a Delta-Lognormal
Distribution -- Statistical Methods -- Bayesian Confidence Intervals for
Means of Normal Distributions with Unknown Coefficients of Variation
-- Confidence Intervals for the Difference between the Coefficients of
Variation of Inverse Gaussian Distributions -- Methods for Testing the
Difference between Two Signal-To-Noise Ratios of Log-Normal
Distributions -- Generalized Confidence Interval of the Ratio of
Coefficients of Variation of Birnbaum-Saunders Distribution --
Confidence Interval for Coefficient of Variation of Inverse Gamma
Distributions -- The Bayesian Confidence Interval for the Mean of the
Zero-inflated Poisson Distribution.

Sommario/riassunto

This book constitutes the refereed proceedings of the 8th International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making, IUKM 2020, held in Phuket, Thailand, in November 2020.* The 35 full papers presented were carefully reviewed and selected from 55 submissions. The papers deal with all aspects of uncertainty modelling and management and are organized in topical sections on uncertainty management and decision support; machine learning; machine learning applications; econometric applications; and statistical methods. * The conference was held virtually due to the COVID-19 pandemic.
