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Collana	Lecture Notes in Operations Research, , 2731-0418
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Soggetti	Operations research Management science Production management Mathematical optimization Operations Research and Decision Theory Operations Research, Management Science Operations Management Optimization
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Nota di contenuto	Probabilistic group decision-making using BWT -- Robust stakeholder-based group-decision making framework: the Multi-Actor Multi-Criteria Analysis (MAMCA) with the integration of Best-Worst Method (BWM) -- A consistent and consensual best-worst method and its application to salespersons' performance evaluation problem -- Which Prioritization Method is Better for Deriving Priority from Best-Worst Preferences? A Theoretical and Experimental Analysis -- A hesitant multiplicative best-worst method for multiple criteria decision making -- Industry 4.0 and green entrepreneurship for environmental sustainability: Exploring barriers from an Indian SME Perspective -- Supplier selection for the oil industry using a combined BWM & F-VIKOR, case study: National Iranian South Oil Company -- Assessing smartness of an automotive industry: Importance-Performance Analysis -- Determining the criterion weights for the selection of volunteers in humanitarian organizations by the Best-Worst Method -- Emergency

service quality assessment using SERVQUAL and BWM -- Avalanche risk analysis by a combined Geographic Information System and Bayesian Best-Worst Method -- Snow Avalanche Hazard Prediction Using the Best-Worst Method – Case Study: the Šar Mountains, Serbia -- Assessment of renewable energy development strategies with BWM-Grey TOPSIS.

#### Sommario/riassunto

This proceedings book contains selected papers from the Fourth International Workshop on Best-Worst Method (BWM2023), held in Delft, the Netherlands, from 8 to 9 June 2023. It presents recent advancements in theory and applications of the Best-Worst Method (BWM). It provides valuable insights on why and how to use BWM in a diverse set of applications including health, energy, supply chain management, and engineering. The book highlights the use of BWM in different settings including single decision-making vs group decision-making, full information vs incomplete and uncertain situations. Academics and practitioners who are involved in multi-criteria decision-making and decision analysis benefit from the papers published in this book.