

multicriteria decision making advances pdf

Multiple-criteria decision-making (MCDM) or multiple-criteria decision analysis (MCDA) is a sub-discipline of operations research that explicitly evaluates multiple conflicting criteria in decision making (both in daily life and in settings such as business, government and medicine). Conflicting criteria are typical in evaluating options: cost or price is usually one of the main criteria, and ...

Multiple-criteria decision analysis - Wikipedia

These findings lend support to previous work assessing drug harms, and show how the improved scoring and weighting approach of MCDA increases the differentiation between the most and least harmful drugs. However, the findings correlate poorly with present UK drug classification, which is not based simply on considerations of harm.

Drug harms in the UK: a multicriteria decision analysis

The analytic hierarchy process (AHP) has advantages that the whole number of comparisons can be reduced via a hierarchy structure and the consistency of responses verified via a consistency ratio. However, at the same time, the AHP has disadvantages that values vary according to the form of hierarchy structure and it is difficult to maintain consistency itself among responses.

Advances in Decision Sciences - Hindawi

A multi-criteria application for an equipment replacement decision. Una aplicaci3n multi-criterio para la decisi3n de reemplazar un equipo. William Ariel Sarache Castro *, Omar Danilo Castrill3n **, Guillermo Gonzales ***, Amanda Viveros Folleco **** * Ph.D. Technical Sciences. Universidad Central las Villas (Cuba).

A multi-criteria application for an equipment replacement

Multi-objective optimization (also known as multi-objective programming, vector optimization, multicriteria optimization, multiattribute optimization or Pareto optimization) is an area of multiple criteria decision making, that is concerned with mathematical optimization problems involving more than one objective function to be optimized simultaneously.

Multi-objective optimization - Wikipedia

Rough set theory has been used extensively in fields of complexity, cognitive sciences, and artificial intelligence, especially in numerous fields such as expert systems, knowledge discovery, information system, inductive reasoning, intelligent systems, data mining, pattern recognition, decision-making, and machine learning. Rough sets models, which have been recently proposed, are developed ...

Recent Fuzzy Generalisations of Rough Sets Theory: A

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Information Sciences - Journal - Elsevier

A SUD, Italy Authors: Lucie Greyl, Sara Vegni, Maddalena Natalicchio and Jessica Ferretti . Download case study as pdf-file. 1. ABSTRACT 2.

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A multiobjective optimization problem involves several conflicting objectives and has a set of Pareto optimal solutions. By evolving a population of solutions, multiobjective evolutionary algorithms (MOEAs) are able to approximate the Pareto optimal set in a single run.

Multiobjective evolutionary algorithms: A survey of the

Table 1 indicates that we are witnessing an emerging body of international market segmentation research. Nevertheless, there are still a number of conceptual and methodological issues that need to be addressed if this area is to fulfill its high potential for marketing theory and practice.

International market segmentation: issues and perspectives

10th WORLD CONGRESS OF EWRA on Water Resources and Environment "Panta Rhei" 5-9 July 2017, Athens (Greece) Announcement . As known, all the papers presented at the 10th World Congress of EWRA will appear in the Proceedings which will be published as special issues of the journal EUROPEAN WATER.

EWRA - European Water Resources Association

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The Triple Aim: Care, Health, And Cost | Health Affairs

Improving the U.S. health care system requires simultaneous pursuit of three aims: improving the experience of care, improving the health of populations, and reducing per capita costs of health care.

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