

Fuzzy Multiple Attribute Decision Making Methods And Applications Lecture Notes In Economics And Mathematical Systems

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Fuzzy Multiple Attribute Decision Making

Multiple Attribute Decision-Making Methods Based on ...

normal intuitionistic fuzzy generalized weighted power interaction averaging (NIFGWPIA) operator, and studied some properties and some special cases of them. Based on these operators, we developed a decision approach for multiple attribute decision-making (MADM) problems with NIFNs.

A Fuzzy Topsis Multiple-Attribute Decision Making for ...

a decision on such fuzzy problems, Fuzzy Multiple Attribute Decision Making (FMDAM) can be applied. In this study, Unified Modeling Language (UML) in FMADM with TOPSIS and Weighted Product (WP) methods is applied to select the candidates for academic and non-academic scholarships at Universitas Islam Negeri Sunan Kalijaga.

A Multiple Attribute Decision-Making Method Based on ...

Mathematical and Computational Applications Article A Multiple Attribute Decision-Making Method Based on Exponential Fuzzy Numbers Sha Fu

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TODIM Method for Picture Fuzzy Multiple Attribute Decision ...

TODIM Method for Picture Fuzzy Multiple Attribute Decision Making 557 If $\pi_A(x) = 0$, then the picture fuzzy set reduces to the Atanassov's IFSs theory (Atanassov, 1986,1989) Thus, the Atanassov's IFSs theory is a special form of the PFSs

A fuzzy multiple attribute decision making tool for HVAC&R ...

making methods Among them, the fuzzy multiple attribute decision making approach was adopted to develop a decision making tool for HVAC&R systems selection This was mainly due to the ability of this method to deal with the uncertainties and imprecisions of ...

Multiple-Attribute Decision Making ELECTRE II Method under ...

algorithms Article Multiple-Attribute Decision Making ELECTRE II Method under Bipolar Fuzzy Model Shumaiza 1, Muhammad Akram 1,* and Ahmad N Al-Kenani 2,* 1 Department of Mathematics, University of the Punjab, New Campus, Lahore 54590, Pakistan; shumaiza00@gmail.com 2 Department of Mathematics, Faculty of Science, King Abdulaziz University, PO Box, Jeddah 21589, Saudi Arabia

Hesitant fuzzy linguistic multiple attribute decision making

Hesitant fuzzy linguistic multiple attribute decision making Yingjun Zhang *, Yizhi Wang and Jingping Wang† *School of Computer and Information Technology Beijing Jiaotong University, Beijing, China, 100044 Email: hitzyj@163.com, yzwang@bjtu.edu.cn

A Method for Hesitant Fuzzy Multiple Attribute Decision ...

A Method for Hesitant Fuzzy Multiple Attribute Decision Making and Its Application to Risk Investment Xiang Gu, Ying Wang, Bei Yang Journal of Convergence Information Technology, Volume 6, Number 6, June 2011 A Method for Hesitant Fuzzy Multiple Attribute Decision Making and Its Application to Risk Investment Xiang Gu, Ying Wang, Bei Yang

Grey Relational Analysis Method for Multiple Attribute ...

Grey Relational Analysis Method for Multiple Attribute Decision Making in Intuitionistic Fuzzy Setting Juchi Hou [8] Z S Xu and R R Yager, "Some geometric aggregation operators based on intuitionistic fuzzy sets", International Journal of General System, Vol35, pp417-433, 2006

A fuzzy multiple-attribute decision-making modelling for ...

A fuzzy multiple-attribute decision-making modelling for vulnerability analysis on the basis of population information for disaster management Z Zhanga*, U Demšarb, J Rantalaa and K

Fuzzy Multiple Attribute Decision Making: A Review and New ...

In the study of decision making in a fuzzy environment terms such as multiple objective, multiple attribute and multiple criteria are often used interchangeably In this section some

IJCSI International Journal of Computer Science Issues ...

the decision-making by using a Decision Support System (DSS) in which this system provides the facility to do an analysis so that each process decisions made based on existing criteria The method used in this research is to use models of Fuzzy Multi-Attribute Decision Making (FMADM), Simple Additive Weighting Method (SAW)

Hesitant Fuzzy Multi-Attribute Decision Making Based on ...

developed the fuzzy set representation of the closeness to the positive ideal solution and the negative ideal solution and proposed a fuzzy approach based on TOPSIS to rank alternatives in MADM problems In fact, in the process of decision making, the information about attribute weights always is

incompletely known or completely unknown (Xu, 2007)

Interval-Valued Intuitionistic Fuzzy Multiple Attribute ...

Interval-Valued Intuitionistic Fuzzy Multiple Attribute Group Decision Making with Uncertain Weights ZhuoshengJia^{1,2} andYingjunZhang ^{2,3}
1InformationTechnologyCenter,BeijingJiaotongUniversity,Beijing,122233,China fuzzy number (IVIFN) or an intuitionistic fuzzy number (IFN)
44Operations De7nition 5(see [])

Cosine Similarity Measure Based Multi-attribute Decision ...

proposed multiple attribute decision making in which the evaluated values of alternatives on the attributes are represented by the form of trapezoidal fuzzy neutrosophic numbers However, cosine similarity based multiattribute decision making with trapezoidal fuzzy neutrosophic ...

Critical success factors of service quality in hospitals ...

satisfaction In this paper, a hybrid fuzzy multiple attribute decision-making approach is proposed to prioritize critical success factors (CSFs) of service quality of healthcare systems The uncertainty of measuring qualitative factors has been modeled using fuzzy sets The proposed hybrid approach consists of Fuzzy Delphi, Fuzzy

Fuzzy multiple criteria decision making: Recent developments

decision-making rely on aggregation and the reduction of criteria in order to reach consensus Felix [44] presented a novel theory for multiple attribute decision making based on fuzzy relations between objectives, in which the interactive structure of objectives is inferred and represented explicitly

Researches of Water Bloom Emergency Management Decision ...

Researches of Water Bloom Emergency Management Decision-making Method and System Based on Fuzzy Multiple Attribute Decision Making 1
Zaiwen LIU, 2Lin LI, Xiaoyi WANG and Chen CHEN 1Prof, School of Computer and Information Engineering, Beijing Technology and ...

Research Article Interval Entropy of Fuzzy Sets and the ...

Research Article Interval Entropy of Fuzzy Sets and the Application to Fuzzy Multiple Attribute Decision Making YiyiShi ^{1,2} andXuehaiYuan ^{1,3}
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