



Multiple Attribute Decision Making: Methods and Applications

Gwo-Hsiung Tzeng, Jih-Jeng Huang

Download now

[Click here](#) if your download doesn't start automatically

Multiple Attribute Decision Making: Methods and Applications

Gwo-Hshiung Tzeng, Jih-Jeng Huang

Multiple Attribute Decision Making: Methods and Applications Gwo-Hshiung Tzeng, Jih-Jeng Huang

Decision makers are often faced with several conflicting alternatives. How do they evaluate trade-offs when there are more than three criteria? To help people make optimal decisions, scholars in the discipline of multiple criteria decision making (MCDM) continue to develop new methods for structuring preferences and determining the correct relative weights for criteria. A compilation of modern decision-making techniques, **Multiple Attribute Decision Making: Methods and Applications** focuses on the fuzzy set approach to multiple attribute decision making (MADM). Drawing on their experience, the authors bring together current methods and real-life applications of MADM techniques for decision analysis. They also propose a novel hybrid MADM model that combines DEMATEL and analytic network process (ANP) with VIKOR procedures.

The first part of the book focuses on the theory of each method and includes examples that can be calculated without a computer, providing a complete understanding of the procedures. Methods include the analytic hierarchy process (AHP), ANP, simple additive weighting method, ELECTRE, PROMETHEE, the gray relational model, fuzzy integral technique, rough sets, and the structural model. Integrating theory and practice, the second part of the book illustrates how methods can be used to solve real-world MADM problems. Applications covered in the book include:

- AHP to select planning and design services for a construction project
- TOPSIS and VIKOR to evaluate the best alternative-fuel vehicles for urban areas
- ELECTRE to solve network design problems in urban transportation planning
- PROMETEE to set priorities for the development of new energy systems, from solar thermal to hydrogen energy
- Fuzzy integrals to evaluate enterprise intranet web sites
- Rough sets to make decisions in insurance marketing

Helping readers understand how to apply MADM techniques to their decision making, this book is suitable for undergraduate and graduate students as well as practitioners.

 [Download Multiple Attribute Decision Making: Methods and Ap ...pdf](#)

 [Read Online Multiple Attribute Decision Making: Methods and ...pdf](#)

Download and Read Free Online Multiple Attribute Decision Making: Methods and Applications **Gwo-Hshiung Tzeng, Jih-Jeng Huang**

From reader reviews:

John Barstow:

This Multiple Attribute Decision Making: Methods and Applications book is not really ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper a person read a lot of information you will get. This Multiple Attribute Decision Making: Methods and Applications without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't always be worry Multiple Attribute Decision Making: Methods and Applications can bring once you are and not make your bag space or bookshelves' come to be full because you can have it with your lovely laptop even cellphone. This Multiple Attribute Decision Making: Methods and Applications having very good arrangement in word and also layout, so you will not really feel uninterested in reading.

Carol Wells:

The knowledge that you get from Multiple Attribute Decision Making: Methods and Applications is the more deep you excavating the information that hide within the words the more you get thinking about reading it. It does not mean that this book is hard to know but Multiple Attribute Decision Making: Methods and Applications giving you enjoyment feeling of reading. The author conveys their point in certain way that can be understood by anyone who read it because the author of this publication is well-known enough. This book also makes your current vocabulary increase well. So it is easy to understand then can go along, both in printed or e-book style are available. We highly recommend you for having this kind of Multiple Attribute Decision Making: Methods and Applications instantly.

Alan Archuleta:

The book untitled Multiple Attribute Decision Making: Methods and Applications is the publication that recommended to you to read. You can see the quality of the reserve content that will be shown to you actually. The language that publisher use to explained their way of doing something is easily to understand. The author was did a lot of investigation when write the book, so the information that they share for you is absolutely accurate. You also could possibly get the e-book of Multiple Attribute Decision Making: Methods and Applications from the publisher to make you far more enjoy free time.

Cassandra Rosas:

The book with title Multiple Attribute Decision Making: Methods and Applications possesses a lot of information that you can learn it. You can get a lot of help after read this book. This kind of book exist new know-how the information that exist in this reserve represented the condition of the world right now. That is important to yo7u to know how the improvement of the world. This kind of book will bring you throughout new era of the the positive effect. You can read the e-book on your smart phone, so you can read the idea anywhere you want.

**Download and Read Online Multiple Attribute Decision Making:
Methods and Applications Gwo-Hshiung Tzeng, Jih-Jeng Huang
#ZTOMK9LPH8G**

Read Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang for online ebook

Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang books to read online.

Online Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang ebook PDF download

Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang Doc

Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang Mobipocket

Multiple Attribute Decision Making: Methods and Applications by Gwo-Hshiung Tzeng, Jih-Jeng Huang EPub