
Fuzzy Analytical Network Process Implementation With Matlab

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Managing Customer Trust, Satisfaction, and Loyalty through Information
Communication Technologies
Applications of Multi-Criteria and Game Theory Approaches
In Honor of Professor Ajit Kumar Verma on His 60th Birthday
Fuzzy Multi-Criteria Decision Making
Drawing Out and Reconciling Differences
Reverse Supply Chain Utilization
Theory and Applications
Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making
Fuzzy Modelling
Fuzzy Optimization and Multi-Criteria Decision Making in Digital Marketing
Multiple Criteria Decision Making Applications in Environmentally Conscious
Manufacturing and Product Recovery
Concepts, Methodologies, Tools, and Applications
Intelligent Decision Making Systems
Theory and Applications with Recent Developments
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Concepts, Methodologies, Tools, and Applications
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Proceedings of the 5th International Asia Conference on Industrial Engineering and
Management Innovation (IEMI2014)
Proceedings of the INFUS 2019 Conference, Istanbul, Turkey, July 23-25, 2019
Enterprise Information Systems Design, Implementation and Management
Web-Based Green Products Life Cycle Management Systems: Reverse Supply Chain
Utilization
Intelligent Systems: Concepts, Methodologies, Tools, and Applications
Information Systems Applications in the Arab Education Sector
Applying Business Intelligence Initiatives in Healthcare and Organizational Settings
Fuzzy Hierarchical Model for Risk Assessment
The Framework for Innovation
Introduction of an Evaluation Model for the Pharmaceutical Industry
Concepts, Methodologies, Tools, and Applications
Advances in RAMS Engineering
Volume 3, Number 2
A Fundamental Tool for Scientific Computing and Engineering Applications -
Manufacturing and Logistics
Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications
A Tribute to Prof. Dr. Da Ruan

Start-Ups and SMEs: Concepts, Methodologies, Tools, and Applications
Human-Computer Interaction: Users and Contexts
IFIP WG 5.7 International Conference, APMS 2015, Tokyo, Japan, September 7-9,
2015, Proceedings, Part I
Advances in Production Management Systems: Innovative Production Management
Towards Sustainable Growth

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Fuzzy Analytical Network Process Implementation with Matlab

Springer
Aligning the latest practices, innovations and case studies with academic frameworks and theories, the broad area of multi-criteria and game theory applications in manufacturing and logistics is covered in comprehensive detail. Divided into two parts, part I is dedicated to 'multi-criteria applications' and includes chapters on logistics with a focus on vehicle routing problems, a multi-objective decision making approach to select the best storage policy and an exploratory study to predict the most important factors that can lead to successful mobile supply chain management adoption for manufacturing firms. Part II covers 'game theory

applications' and encompasses the process of forming a coalition within a corporate network to the problem of integrating inventory and distribution optimization together with game theory to effectively manage supply networks. Providing a forum to investigate, exchange novel ideas and disseminate knowledge covering the broad area of multi-criteria and game theory applications in manufacturing and logistics, Applications of Multi-Criteria and Game Theory Approaches is an excellent reference for students, researchers but also managers and industry professionals working with manufacturing and logistics issues.

Managing Customer Trust, Satisfaction, and Loyalty through Information Communication Technologies

IGI Global
Fuzzy Modelling:
Paradigms and Practice
provides an up-to-date
and authoritative
compendium of fuzzy

models, identification algorithms and applications. Chapters in this book have been written by the leading scholars and researchers in their respective subject areas. Several of these chapters include both theoretical material and applications. The editor of this volume has organized and edited the chapters into a coherent and uniform framework. The objective of this book is to provide researchers and practitioners involved in the development of models for complex systems with an understanding of fuzzy modelling, and an appreciation of what makes these models unique. The chapters are organized into three major parts covering relational models, fuzzy neural networks and rule-based models. The material on relational models includes theory along with a large number of implemented case studies, including some on speech recognition, prediction, and ecological systems. The part on

fuzzy neural networks covers some fundamentals, such as neurocomputing, fuzzy neurocomputing, etc., identifies the nature of the relationship that exists between fuzzy systems and neural networks, and includes extensive coverage of their architectures. The last part addresses the main design principles governing the development of rule-based models. Fuzzy Modelling: Paradigms and Practice provides a wealth of specific fuzzy modelling paradigms, algorithms and tools used in systems modelling. Also included is a panoply of case studies from various computer, engineering and science disciplines. This should be a primary reference work for researchers and practitioners developing models of complex systems.

Applications of Multi-Criteria and Game Theory Approaches IGI Global

Risk management is often complicated by situational uncertainties and the subjective preferences of decision makers. Fuzzy Hierarchical Model for Risk Assessment introduces a fuzzy-based hierarchical approach to solve risk management

problems considering both qualitative and quantitative criteria to tackle imprecise information. This approach is illustrated through number of case studies using examples from the food, fashion and electronics sectors to cover a range of applications including supply chain management, green product design and green initiatives. These practical examples explore how this method can be adapted and fine tuned to fit other industries as well. Supported by an extensive literature review, Fuzzy Hierarchical Model for Risk Assessment comprehensively introduces a new method for project managers across all industries as well as researchers in risk management. this area. In Honor of Professor Ajit Kumar Verma on His 60th Birthday World Scientific Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and

data mining in everyday business environments is imperative to the success of modern businesses. Applying Business Intelligence Initiatives in Healthcare and Organizational Settings incorporates emerging concepts, methods, models, and relevant applications of business intelligence systems within problem contexts of healthcare and other organizational boundaries. Featuring coverage on a broad range of topics such as rise of embedded analytics, competitive advantage, and strategic capability, this book is ideally designed for business analysts, investors, corporate managers, and entrepreneurs seeking to advance their understanding and practice of business intelligence.

Fuzzy Multi-Criteria Decision Making

Springer Science & Business Media Ongoing advancements in modern technology have led to significant developments in intelligent systems. With the numerous applications available, it becomes imperative to conduct research and make further progress in this field. Intelligent Systems:

Concepts, Methodologies, Tools, and Applications contains a compendium of the latest academic material on the latest breakthroughs and recent progress in intelligent systems. Including innovative studies on information retrieval, artificial intelligence, and software engineering, this multi-volume book is an ideal source for researchers, professionals, academics, upper-level students, and practitioners interested in emerging perspectives in the field of intelligent systems.

IGI Global

When people or computers need to make a decision, typically multiple conflicting criteria need to be evaluated; for example, when we buy a car, we need to consider safety, cost and comfort. Multiple criteria decision making (MCDM) has been researched for decades. Now as the rising trend of big-data analytics in supporting decision making, MCDM can be more powerful when combined with state-of-the-art analytics and machine learning. In this book, the authors introduce a new framework of MCDM, which can lead to more

accurate decision making. Several real-world cases will be included to illustrate the new hybrid approaches.

Drawing Out and Reconciling Differences
IGI Global

"This book investigates the creation and implementation of enterprise information systems, covering a wide array of topics such as flow-shop scheduling, information systems outsourcing, ERP systems utilization, Dietz transaction methodology, and advanced planning systems"--Provided by publisher.

Reverse Supply Chain Utilization IGI Global

Due to the growth of internet and mobile applications, relationship marketing continues to evolve as technology offers more collaborative and social communication opportunities. Managing Customer Trust, Satisfaction, and Loyalty through Information Communication highlights technology's involvement with business processes in different sectors and industries while identifying marketing activities that are affected by its usage. This reference is a vital source for organizational managers, executives,

and professionals, as well as academics and students interested in this constantly changing field.

Theory and

Applications

IGI Global
The financial risk not only affects the development of the company itself, but also affects the economic development of the whole society; therefore, the financial risk assessment of company is an important part. At present, numerous methods of financial risk assessment have been researched by scholars. However, most of the extant methods neither integrated fuzzy sets with quantitative analysis, nor took into account the historical data of the past few years. To settle these defects, this paper proposes a novel financial risk assessment model for companies based on heterogeneous multiple-criteria decision-making (MCDM) and historical data.

Intelligent and Fuzzy

Techniques in Big Data

Analytics and Decision

Making Fuzzy Analytical

Network Process

Implementation with

MatlabMATLABA

Fundamental Tool for

Scientific Computing and

Engineering Applications -

Smaller companies are

abundant in the business

realm and outnumber large companies by a wide margin. To maintain a competitive edge against other businesses, companies must ensure the most effective strategies and procedures are in place. This is particularly critical in smaller business environments that have fewer resources. Start-Ups and SMEs: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the strategies and concepts that will assist small and medium-sized enterprises to achieve competitiveness. It also explores the latest advances and developments for creating a system of shared values and beliefs in small business environments. Highlighting a range of topics such as entrepreneurship, innovative behavior, and organizational sustainability, this multi-volume book is ideally designed for entrepreneurs, business managers, executives, managing directors, academicians, business professionals, researchers, and graduate-level students.

Fuzzy Modelling

Springer Nature

Abstract: "This book

applies fuzzy theory and multi-criteria decision making principles for better practice in the digital business environment through the use of timely research and case studies on practical implementation of such theories in the digital marketplace"-- Provided by publisher
Fuzzy Optimization and Multi-Criteria Decision Making in Digital Marketing World
 Scientific Technological advancements have become an integral part of life, impacting the way we work, communicate, make decisions, learn, and play. As technology continually progresses, humans are being outpaced by its capabilities, and it is important for businesses, organizations, and individuals to understand how to optimize data and to implement new methods for more efficient knowledge discovery and information management and retrieval. Innovative Applications of Knowledge Discovery and Information Resources Management offers in-depth coverage on the pervasiveness of technological change with a collection of material on topics such as the impact

of permeable work-life boundaries, burnout and turnover, big data usage, and computer-based learning. It proves a worthy source for academicians, practitioners, IT leaders, IT professionals, and advanced-level students interested in examining the ways in which technology is changing the world.

[Multiple Criteria Decision Making Applications in Environmentally Conscious Manufacturing and Product Recovery](#)
 Springer

This book is the first in the literature to present the state of the art and some interesting and relevant applications of the Fuzzy Analytic Hierarchy Process (FAHP). The AHP is a conceptually and mathematically simple, easily implementable, yet extremely powerful tool for group decision making and is used around the world in a wide variety of decision situations, in fields such as government, business, industry, healthcare, and education. The aim of this book is to study various fuzzy methods for dealing with the imprecise and ambiguous data in AHP. Features: First book available on FAHP. Showcases state-of-the-

art developments. Contains several novel real-life applications. Provides useful insights to both academics and practitioners in making group decisions under uncertainty. This book provides the necessary background to work with existing fuzzy AHP models. Once the material in this book has been mastered, the reader will be able to apply fuzzy AHP models to his or her problems for making decisions with imprecise data.

Concepts, Methodologies, Tools, and Applications
Springer

The two volumes IFIP AICT 459 and 460 constitute the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2015, held in Tokyo, Japan, in September 2015. The 163 revised full papers were carefully reviewed and selected from 185 submissions. They are organized in the following topical sections: collaborative networks; globalization and production management; knowledge based production management; project management, engineering management, and quality management; sustainability and

production management; co-creating sustainable business processes and ecosystems; open cloud computing architecture for smart manufacturing and cyber physical production systems; the practitioner's view on "innovative production management towards sustainable growth"; the role of additive manufacturing in value chain reconfiguration and sustainability; operations management in engineer-to-order manufacturing; lean production; sustainable system design for green products; cloud-based manufacturing; ontology-aided production - towards open and knowledge-driven planning and control; product-service lifecycle management: knowledge-driven innovation and social implications; and service engineering.

Intelligent Decision Making Systems CRC Press

"This book is a rich source of knowledge about educational reforms through the adoption of information systems applications and technologies in the Arab region, covering current initiatives, approaches, issues, and challenges in the Arab education sector"--Provided by

publisher.

Theory and Applications with Recent Developments Springer

This excellent book represents the final part of three-volumes regarding MATLAB-based applications in almost every branch of science. The book consists of 19 excellent, insightful articles and the readers will find the results very useful to their work. In particular, the book consists of three parts, the first one is devoted to mathematical methods in the applied sciences by using MATLAB, the second is devoted to MATLAB applications of general interest and the third one discusses MATLAB for educational purposes. This collection of high quality articles, refers to a large range of professional fields and can be used for science as well as for various educational purposes.

17th International Conference, HCI International 2015, Los Angeles, CA, USA, August 2-7, 2015. Proceedings, Part III IGI Global

When a group makes a decision, that decision carries a lot more weight than when just one person does it. Think of the founding fathers of the American constitution and

how much power and influence their ideas have had in the entire world for more than two hundred years. Also think of gravity, a universal force brought about by an enormous number of minute particles that band together to make a universal law. Together, they create a massive force, a law of nature; alone they can barely be noticed. That is how our minds work by deciding together to create a power that transcends our individuality. Group decision making is a gift and an opportunity to create greater influence through the working together of many minds. This book shows how to use the Analytic Hierarchy Process for hierarchical decision making and the Analytic Network Process for decision making in networks with dependence and feedback in group decision making. Part I discusses the group and the decision and shows the importance of using a structured process, particularly for those high value decisions involving many powerful parties with different interests. It discusses how to facilitate a group decision, combine individual judgments and smooth differences to

arrive at a decision that everyone can live with and get behind. Part II discusses the group in planning and how to draw out differences. Part III is about conflict resolution and Part IV is about how to address significant issues that come up in group decision making and shows that it is possible to construct an overall group preference. Concepts, Methodologies, Tools, and Applications Springer This work examines all the fuzzy multicriteria methods recently developed, such as fuzzy AHP, fuzzy TOPSIS, interactive fuzzy multiobjective stochastic linear programming, fuzzy multiobjective dynamic programming, grey fuzzy multiobjective optimization, fuzzy multiobjective geometric programming, and more. Each of the 22 chapters includes practical applications along with new developments/results. This book may be used as a textbook in graduate operations research, industrial engineering, and economics courses. It will also be an excellent resource, providing new suggestions and directions for further research, for computer

programmers, mathematicians, and scientists in a variety of disciplines where multicriteria decision making is needed. *Concepts, Methodologies, Tools, and Applications* Springer This book includes the proceedings of the Intelligent and Fuzzy Techniques INFUS 2019 Conference, held in Istanbul, Turkey, on July 23–25, 2019. Big data analytics refers to the strategy of analyzing large volumes of data, or big data, gathered from a wide variety of sources, including social networks, videos, digital images, sensors, and sales transaction records. Big data analytics allows data scientists and various other users to evaluate large volumes of transaction data and other data sources that traditional business systems would be unable to tackle. Data-driven and knowledge-driven approaches and techniques have been widely used in intelligent decision-making, and they are increasingly attracting attention due to their importance and effectiveness in addressing uncertainty and incompleteness. INFUS 2019 focused on

intelligent and fuzzy systems with applications in big data analytics and decision-making, providing an international forum that brought together those actively involved in areas of interest to data science and knowledge engineering. These proceeding feature about 150 peer-reviewed papers from countries such as China, Iran, Turkey, Malaysia, India, USA, Spain, France, Poland, Mexico, Bulgaria, Algeria, Pakistan, Australia, Lebanon, and Czech Republic.

Proceedings of the 5th

International Asia Conference on Industrial Engineering and Management Innovation (IEMI2014)

IGI Global
Organizations of all types are consistently working on new initiatives, product lines, and workflows as a way to remain competitive in the modern business environment. No matter the type of project at hand, employing the best methods for effective execution and timely completion of the task is essential to business success. Operations and Service Management:

Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest research on business operations and production processes. It examines the need for a customer focus and highlights a range of pertinent topics such as financial performance measures, human resource development, and business analytics, this multi-volume book is ideally designed for managers, professionals, students, researchers, and academics interested in operations and service management.