Pesquisa Operacional - Special Issue on Building Multicriteria Decision Models with FITradeoff

Most decision problems in any organization involve multiple and generally conflicting objectives. In these situations, Multiple Criteria Decision Making/Aid (MCDM/A) methods can be applied to support decision makers (DMs) in such decision processes. Among MCDM/A Methods, the FITradeoff method provides a strong axiomatic methodological support in the context of MAVT (Multi-Attribute Value Theory), particularly when using the additive model for aggregating the multiple criteria.

Decision Models with FITradeoff have been published in many journals and have also received attention in many conferences, with sponsored sessions focused on FITradeoff in INFORMS Annal meeting and MDM International Conference, being in Special Sessions of SBPO for over six years.

Furthermore, the FITradeoff has DSS (Decision Support System) tools which are freely available at www.fitradeoff.org. These tools can be used towards the support of DMs in facing real-world decision situations.

Applications in a variety of areas may be done by building decision models with FITradeoff, representing the preferences of decision makers and the numerous characteristics of real decision problems.

The aim of this Special Issue is to promote and disseminate research and applications of FITradeoff method and its associated tools among academics and other professionals.

We expect high quality papers with practice of business, management, and policy making with FITradeoff.

Potential topics using FITradeoff method include but are not limited to the following:

Preference modeling based on decomposition elicitation and/or holistic evaluations with FITradeoff

Building decision models for choice, ranking or sorting problematics, with FITradeoff

Building decision models based with combinatorial optimization, with FITradeoff for portfolio problematic

Behavioral issues for building MCDM/A and GDM (Group Decision Making) models, with FITradeoff

GDM and negotiations models, with FITradeoff

Building of Multiple Criteria Group Decisions (MCGDM) models with FITradeoff

MCDM/A applications with FITradeoff could be associated to many contexts such as: energy, environment, climate, sustainability, project management, production management, supply selection, supply chain management, logistic, location, transportation, and healthcare.

Authors can submit their manuscripts at
https://www.scielo.br/j/pope/
Manuscript Due   April, 2022
First Round of Reviews July, 2022
Publication Date   November, 2022

Pesquisa Operacional is published by the Brazilian Operations Research Society (SOBRAPO). It is an open access Journal cost free for authors, supported by Scielo platform.

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