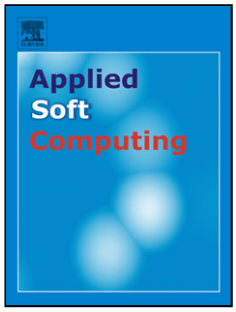
Accepted Manuscript



Title: Picture fuzzy normalized projection-based VIKOR method for the risk evaluation of construction project

Authors: Le Wang, Hong-yu Zhang, Jian-qiang Wang, Lin Li

PII: S1568-4946(17)30738-X
DOI: https://doi.org/10.1016/j.asoc.2017.12.014
Reference: ASOC 4611

To appear in: *Applied Soft Computing*

Received date: 13-12-2016
Revised date: 7-12-2017
Accepted date: 8-12-2017

Please cite this article as: Le Wang, Hong-yu Zhang, Jian-qiang Wang, Lin Li, Picture fuzzy normalized projection-based VIKOR method for the risk evaluation of construction project, Applied Soft Computing Journal https://doi.org/10.1016/j.asoc.2017.12.014

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Picture fuzzy normalized projection-based VIKOR method for the risk evaluation of construction project

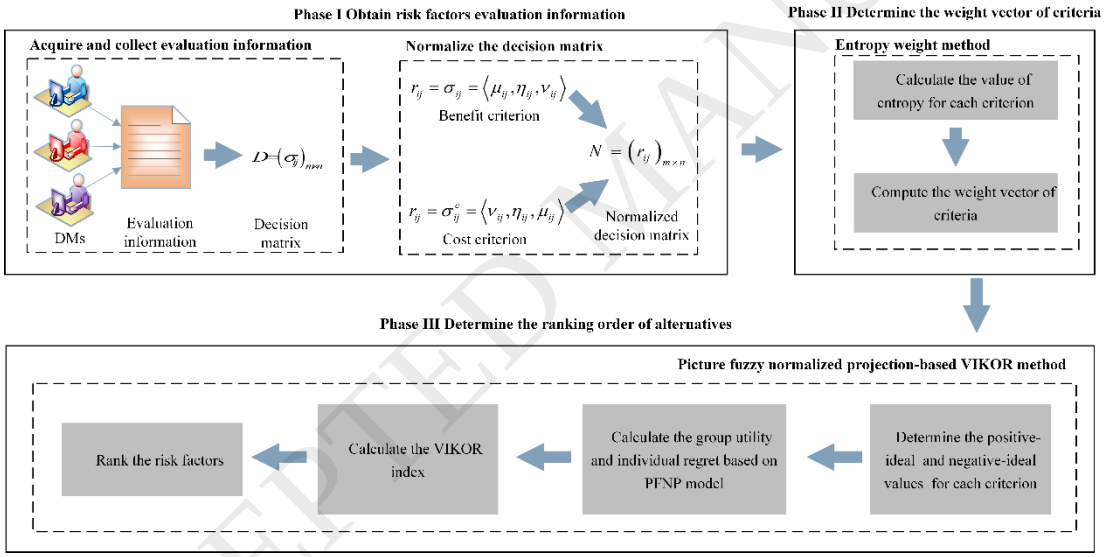
Le Wang [1], Hong-yu Zhang[1], Jian-qiang Wang*[1] , Lin Li[2]

1. School of Business, Central South University, Changsha 410083, PR China

2. School of Business, Hunan University, Changsha 410082, PR China

*Correspondence should be addressed to Jian-qiang Wang: jqwang@csu.edu.cn

Graphical Abstract



Highlights

- The risk evaluation of construction projects is described as an MCDM problem with the PFNs to comprise the complex nature of the selection process.
- A picture fuzzy normalized projection model is proposed to overcome the limitations of the extant picture fuzzy projection model.
- In order to reduce the randomness of subjective weight, a picture fuzzy entropy weight method is

Download English Version:

https://daneshyari.com/en/article/6904095

Download Persian Version:

https://daneshyari.com/article/6904095

Daneshyari.com