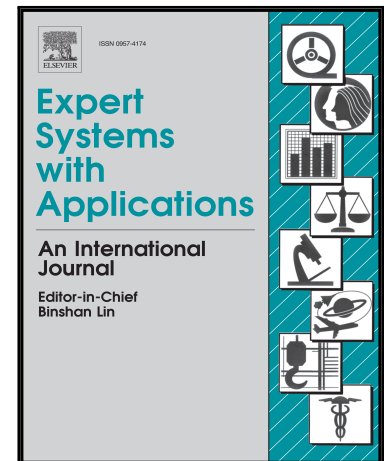


Accepted Manuscript

Accurate multi-criteria decision making methodology for recommending machine learning algorithm

Rahman Ali , Sungyoung Lee , Tae Choong Chung

PII: S0957-4174(16)30669-8
DOI: [10.1016/j.eswa.2016.11.034](https://doi.org/10.1016/j.eswa.2016.11.034)
Reference: ESWA 11005



To appear in: *Expert Systems With Applications*

Received date: 30 March 2016
Revised date: 22 November 2016

Please cite this article as: Rahman Ali , Sungyoung Lee , Tae Choong Chung , Accurate multi-criteria decision making methodology for recommending machine learning algorithm , *Expert Systems With Applications* (2016), doi: [10.1016/j.eswa.2016.11.034](https://doi.org/10.1016/j.eswa.2016.11.034)

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.

Highlights

- A multi-criteria decision making methodology is proposed to select best classifier
- NGT-based method is adapted to choose suitable classifier's evaluation metrics
- Accuracy, time complexity and consistency based new ranking criteria is designed
- AHP-based method is adapted to estimate relative weights for evaluation metrics
- Classifiers are ranked based on relative closeness score, computed using TOPSIS

Download English Version:

<https://daneshyari.com/en/article/4943540>

Download Persian Version:

<https://daneshyari.com/article/4943540>

[Daneshyari.com](https://daneshyari.com)