Accepted Manuscript

Attribute clustering using rough set theory for feature selection in fault severity classification of rotating machinery

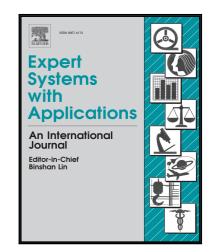
Fannia Pacheco, Mariela Cerrada, René-Vinicio Sánchez, Diego Cabrera, Chuan Li, José Valente de Oliveira

PII: S0957-4174(16)30659-5 DOI: 10.1016/j.eswa.2016.11.024

Reference: ESWA 10995

To appear in: Expert Systems With Applications

Received date: 20 June 2016
Revised date: 18 November 2016
Accepted date: 19 November 2016



Please cite this article as: Fannia Pacheco, Mariela Cerrada, René-Vinicio Sánchez, Diego Cabrera, Chuan Li, José Valente de Oliveira, Attribute clustering using rough set theory for feature selection in fault severity classification of rotating machinery, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.11.024

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

Highlights

- A novel algorithm is proposed for unsupervised feature selection
- The algorithm efficacy is evaluated through the accuracy of several classifiers
- Adequate attributes are effectively selected for several case studies
- The proposal presents better results than other attribute clustering algorithms
- The proposal provides similar results to supervised feature selection approaches

Download English Version:

https://daneshyari.com/en/article/4943527

Download Persian Version:

https://daneshyari.com/article/4943527

<u>Daneshyari.com</u>