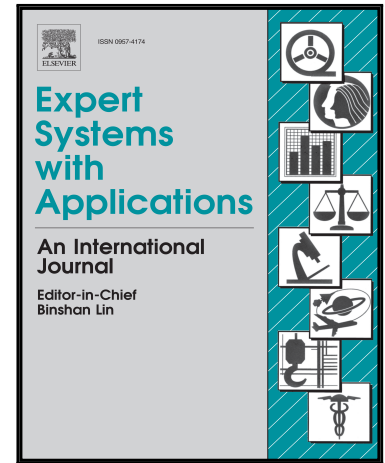


Accepted Manuscript

Feature selection considering two types of feature relevancy and feature interdependency

Liang Hu, Wanfu Gao, Kuo Zhao, Ping Zhang, Feng Wang

PII: S0957-4174(17)30690-5
DOI: [10.1016/j.eswa.2017.10.016](https://doi.org/10.1016/j.eswa.2017.10.016)
Reference: ESWA 11599



To appear in: *Expert Systems With Applications*

Received date: 8 May 2017
Revised date: 5 October 2017
Accepted date: 6 October 2017

Please cite this article as: Liang Hu, Wanfu Gao, Kuo Zhao, Ping Zhang, Feng Wang, Feature selection considering two types of feature relevancy and feature interdependency, *Expert Systems With Applications* (2017), doi: [10.1016/j.eswa.2017.10.016](https://doi.org/10.1016/j.eswa.2017.10.016)

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 novel feature selection method is proposed based on information theory.
- Our method divides feature relevancy into two categories.
- We performed experiments over 12 public data sets.
- Our method outperforms five competing methods in terms of accuracy.
- Our method selects few number of features when it achieves the highest accuracy.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6855412>

Download Persian Version:

<https://daneshyari.com/article/6855412>

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