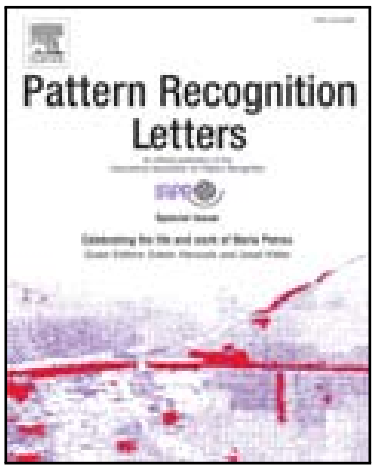
Accepted Manuscript



Feature Weighting and Selection with a Pareto-optimal Trade-off between Relevancy and Redundancy

Ayan Das, Swagatam Das

PII: S0167-8655(17)30004-1
DOI: 10.1016/j.patrec.2017.01.004
Reference: PATREC 6719

To appear in: *Pattern Recognition Letters*

Received date: 3 June 2016
Revised date: 21 November 2016
Accepted date: 11 January 2017

Please cite this article as: Ayan Das, Swagatam Das, Feature Weighting and Selection with a Pareto-optimal Trade-off between Relevancy and Redundancy, *Pattern Recognition Letters* (2017), doi: 10.1016/j.patrec.2017.01.004

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

- Presents a simultaneous feature weighting and selection method.
- Uses non-linear information measure with L1 penalty to form the objective function.
- Experimentally determines the best constraint on weight vectors.
- Uses MOEA/D to solve the bi-objective optimization problem.
- Compares results with eminent state-of-the-art techniques.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4970171

Download Persian Version:

https://daneshyari.com/article/4970171

Daneshyari.com