Accepted Manuscript

Multi-label Feature Selection with Missing Labels

Pengfei Zhu, Qian Xu, Qinghua Hu, Changqing Zhang, Hong Zhao

PII: S0031-3203(17)30388-6
DOI: 10.1016/j.patcog.2017.09.036
Reference: PR 6303

To appear in: *Pattern Recognition*

Received date: 21 March 2017
Revised date: 26 June 2017
Accepted date: 24 September 2017

Please cite this article as: Pengfei Zhu, Qian Xu, Qinghua Hu, Changqing Zhang, Hong Zhao, Multi-label Feature Selection with Missing Labels, *Pattern Recognition* (2017), doi: 10.1016/j.patcog.2017.09.036

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

- This is the first attempt to conduct feature selection for multi-label classification with missing labels.
- An embedded feature selection method is proposed with which feature selection can be conducted during the process of label recovery.
- The effective l_2,p-norm regularization is imposed on the feature selection matrix to select the most discriminative features and remove noisy ones at the same time
- Label dependency is incorporated into the model to exploit label correlations

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4969510

Download Persian Version:

https://daneshyari.com/article/4969510

Daneshyari.com