

Accepted Manuscript

Unconstrained large margin distribution machines

Shigeo Abe

PII: S0167-8655(17)30317-3
DOI: [10.1016/j.patrec.2017.09.005](https://doi.org/10.1016/j.patrec.2017.09.005)
Reference: PATREC 6917



To appear in: *Pattern Recognition Letters*

Received date: 28 March 2016
Revised date: 17 December 2016
Accepted date: 4 September 2017

Please cite this article as: Shigeo Abe, Unconstrained large margin distribution machines, *Pattern Recognition Letters* (2017), doi: [10.1016/j.patrec.2017.09.005](https://doi.org/10.1016/j.patrec.2017.09.005)

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

- We develop unconstrained large margin distribution machines (ULDMS) for pattern classification.
- The ULDM maximizes the margin mean and minimizes the margin variance.
- The ULDM can be trained by solving a set of linear equations.
- We clarify the characteristics of ULDMs.
- Performance of the ULDM is compared with that of the L1 SVM, LS SVM, and the LDM.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4970006>

Download Persian Version:

<https://daneshyari.com/article/4970006>

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