### Accepted Manuscript

Learning Maximum Excluding Ellipsoids from Imbalanced Data with Theoretical Guarantees

Guillaume Metzler, Xavier Badiche, Brahim Belkasmi, Elisa Fromont, Amaury Habrard, Marc Sebban

 PII:
 S0167-8655(18)30437-9

 DOI:
 https://doi.org/10.1016/j.patrec.2018.08.016

 Reference:
 PATREC 7280



To appear in: *Pattern Recognition Letters* 

| Received date: | 24 January 2018 |
|----------------|-----------------|
| Revised date:  | 16 June 2018    |
| Accepted date: | 11 August 2018  |

Please cite this article as: Guillaume Metzler, Xavier Badiche, Brahim Belkasmi, Elisa Fromont, Amaury Habrard, Marc Sebban, Learning Maximum Excluding Ellipsoids from Imbalanced Data with Theoretical Guarantees, Pattern Recognition Letters (2018), doi: https://doi.org/10.1016/j.patrec.2018.08.016

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.

#### ACCEPTED MANUSCRIPT

## Pattern Recognition Letters

### **Authorship Confirmation**

#### Please save a copy of this file, complete and upload as the "Confirmation of Authorship" file.

As corresponding author I, METZLER Guillaume , hereby confirm on behalf of all authors that:

- 1. This manuscript, or a large part of it, has not been published, was not, and is not being submitted to any other journal.
- 2. If presented at or <u>submitted</u> to or <u>published</u> at a conference(s), the conference(s) is (are) identified and substantial justification for re-publication is presented below. A <u>copy of conference paper(s)</u> is(are) uploaded with the manuscript.
- 3. If the manuscript appears as a preprint anywhere on the web, e.g. arXiv, etc., it is identified below. The preprint should include a statement that the paper is under consideration at Pattern Recognition Letters.
- 4. All text and graphics, except for those marked with sources, are original works of the authors, and all necessary permissions for publication were secured prior to submission of the manuscript.
- 5. All authors each made a significant contribution to the research reported and have <u>read</u> and <u>approved</u> the submitted manuscript.

Signature\_

Date 02/12/2018

**List any pre-prints:** A preliminary work has been presented in french to a French Conference, called CAp, that does not publish any proceedings and acts as a workshop. We then put an electronic reference to this work on the french system HAL in order to have a first reference for the PhD student involved in this work. Actually, our lab requires all communications to be put on HAL and in particular for PhD students to follow and validate the progress of their thesis.

**Relevant Conference publication(s) (submitted, accepted, or published):** A French Conference, called CAp, that does not publish any proceedings and acts as a workshop.

#### Justification for re-publication:

To avoid any misinterpretation, we will, with your consent, update the electronic version on HAL and put only the abstract presented at the conference as a reference document.

Note that the paper submitted to PRL cannot be considered as a republication. Additionnally, note that the submitted version is different from the one presented during the French Workshop. The presented algorithm has changed and the derived theoretical bound has also been modified (a tighter one is given). Furthermore, we compare our method to other sampling strategies and OCSVM compare to the previous work.

We apologize for the confusion and the additional work this has caused.

Download English Version:

# https://daneshyari.com/en/article/11002877

Download Persian Version:

https://daneshyari.com/article/11002877

Daneshyari.com