Accepted Manuscript

Mini-Batch Bagging and Attribute Ranking for Accurate User Authentication in Keystroke Dynamics

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PII: S0031-3203(17)30184-X
DOI: 10.1016/j.patcog.2017.05.002
Reference: PR 6141

To appear in: *Pattern Recognition*

Received date: 12 September 2016
Revised date: 7 February 2017
Accepted date: 4 May 2017

Please cite this article as: Jiacang Ho, Dae-Ki Kang, Mini-Batch Bagging and Attribute Ranking for Accurate User Authentication in Keystroke Dynamics, *Pattern Recognition* (2017), doi: 10.1016/j.patcog.2017.05.002

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Highlights

- We have proposed mini-batch bagging (MINIBAG) method and attribute ranking of one-class nave Bayes (AR-ONENB) algorithm.
- We have presented attribute-by-attribute data fragmentation technique which is used in MINIBAG method.
- MINIBAG facilitates machine learning algorithms to have an ensemble of multiple models from mini-batches.
- We have introduced a new feature, keystroke index order, based on the typing speed of a user in AR-ONENB algorithm.
- Rate of difference of the rate of mean produces a reliable prediction to the result.

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