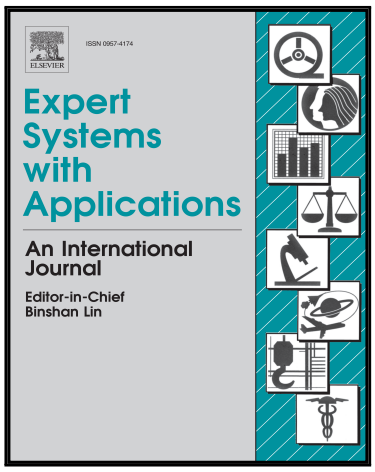
Accepted Manuscript



A new algorithm for kinematic analysis of Handwriting data; towards a reliable handwriting-based tool for early detection of Alzheimer's disease

Peyvand Ghaderyan , Ataollah Abbasi , Sajad Saber

PII: S0957-4174(18)30477-9
DOI: 10.1016/j.eswa.2018.07.052
Reference: ESWA 12106

To appear in: *Expert Systems With Applications*

Received date: 23 April 2018
Revised date: 24 July 2018
Accepted date: 25 July 2018

Please cite this article as: Peyvand Ghaderyan , Ataollah Abbasi , Sajad Saber , A new algorithm for kinematic analysis of Handwriting data; towards a reliable handwriting-based tool for early detection of Alzheimer's disease, *Expert Systems With Applications* (2018), doi: 10.1016/j.eswa.2018.07.052

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

- An efficient measure of handwriting data is presented for early detection of AD.
- Singular value decomposition and sparse coding methods are successfully developed.
- The effect of the proposed method is evaluated on the variety of time profiles.
- The feasibilities of single task compared with dual-task conditions are explored.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/6854687

Download Persian Version:

https://daneshyari.com/article/6854687

Daneshyari.com