Accepted Manuscript

Gamers' Involvement Detection from EEG Data with cGAAM – a Method for Feature Selection for Clustering

Izabela Rejer, Michal Twardochleb

PII: S0957-4174(18)30059-9 DOI: 10.1016/j.eswa.2018.01.046

Reference: ESWA 11794

To appear in: Expert Systems With Applications

Received date: 31 March 2017 Revised date: 26 January 2018 Accepted date: 27 January 2018



Please cite this article as: Izabela Rejer, Michal Twardochleb, Gamers' Involvement Detection from EEG Data with cGAAM – a Method for Feature Selection for Clustering, *Expert Systems With Applications* (2018), doi: 10.1016/j.eswa.2018.01.046

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

- A genetic algorithm controlled by unsupervised classification was introduced.
- A joined-approach for clustering and feature selection was proposed.
- Three EEG features differentiating levels of players' involvement were identified.
- The predominance of the proposed approach over other methods was shown.



Download English Version:

https://daneshyari.com/en/article/6855087

Download Persian Version:

https://daneshyari.com/article/6855087

<u>Daneshyari.com</u>