## **Accepted Manuscript**

Strict Very Fast Decision Tree: a memory conservative algorithm for data stream mining

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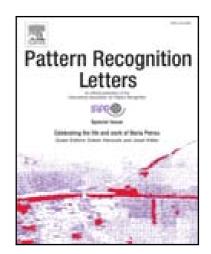
PII: S0167-8655(18)30558-0

DOI: https://doi.org/10.1016/j.patrec.2018.09.004

Reference: PATREC 7303

To appear in: Pattern Recognition Letters

Received date: 8 September 2017 Revised date: 11 July 2018 Accepted date: 2 September 2018



Please cite this article as: Victor Guilherme Turrisi da Costa, Andrè Carlos Ponce de Leon Ferreira de Carvalho, Sylvio Barbon Junior, Strict Very Fast Decision Tree: a memory conservative algorithm for data stream mining, *Pattern Recognition Letters* (2018), doi: https://doi.org/10.1016/j.patrec.2018.09.004

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#### ACCEPTED MANUSCRIPT

#### Highlights

- A Novel algorithm based on the VFDT, called SVFDT, is proposed for data stream mining;
- The proposed algorithm makes assumptions about statistics observed to limit tree growth;
- The SVFDT was compared on experimental tests carried out on benchmark datasets
- Predictive performance was maintained while consuming significantly less memory
- Possible applications for this algorithm are on ensembles and low-memory environments

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