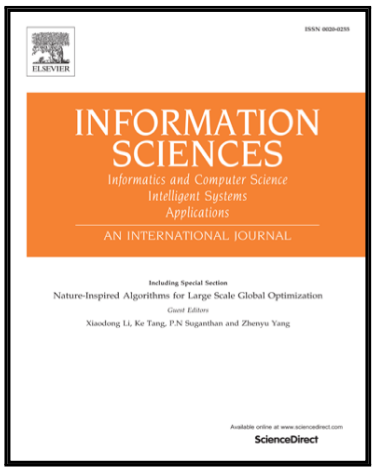

A Large-scale Comparison of Concept Drift Detectors

Roberto Souto Maior de Barros, Silas Garrido T. de Carvalho Santos

PII: S0020-0255(18)30274-3
DOI: 10.1016/j.ins.2018.04.014
Reference: INS 13557

To appear in: *Information Sciences*

Received date: 16 November 2017
Revised date: 3 February 2018
Accepted date: 3 April 2018

Please cite this article as: Roberto Souto Maior de Barros, Silas Garrido T. de Carvalho Santos, A Large-scale Comparison of Concept Drift Detectors, *Information Sciences* (2018), doi: 10.1016/j.ins.2018.04.014

Highlights

- Large-scale comparison of 14 concept drift detectors for mining data streams.
- Aims to measure how good the existent concept drift detectors really are.
- Challenges a common belief in the area regarding the best drift detectors.
- Most well-known/cited methods were consistently among the worst configurations.
- May also be seen as an extensive literature survey of concept drift detectors.