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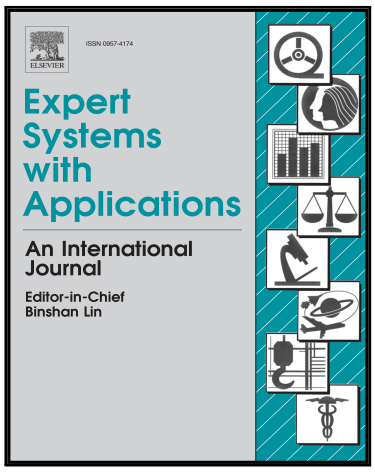

Detecting concept drift in data streams using model explanation

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Highlights

- A novel concept drift detector for data streams is proposed.
- The drift detector can be combined with an arbitrary classification algorithm.
- The drift detector uses model explanation to detect concept drift.
- The approach features good drift detection, accuracy, robustness and sensitivity.
- Interpretable macro- and micro- visualization of concept drift is proposed.

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