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Online Sequential Prediction of Imbalance Data with Two-Stage Hybrid Strategy by Extreme Learning Machine

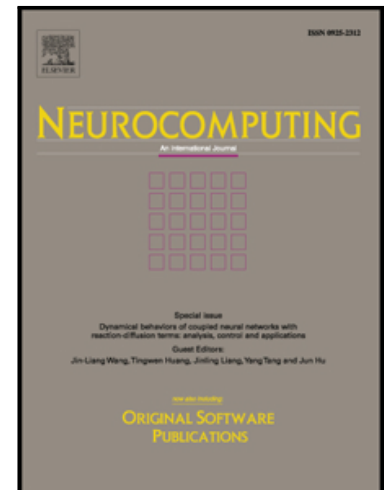
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Highlights

- We derive an efficient leave-one-out cross-validation error estimate for OS-ELM
- We propose a two-stage hybrid strategy for online sequential data imbalance problem
- We prove theoretically the rationality and validity of this strategy
- We proposed a new OS-ELM method for solving online sequential data imbalance problem.
- We conduct a number of computer experiments on UCI and real-life data sets

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