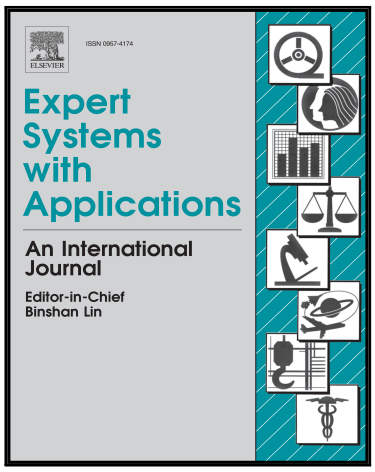

Fast Incremental Learning of Logistic Model Tree Using Least Angle Regression

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Highlights

- Computational efficiency of logistic model tree (LMT) algorithm is improved.
- An efficient boosting method for sparse logistic regression learning is proposed.
- The proposed method employs least angle regression to incorporate variable selection into the boosting process.
- Experimental results on 14 datasets to compare the proposed method with the original LMT algorithm are presented.