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Title: Semi-supervised matrixized least squares support vector machine

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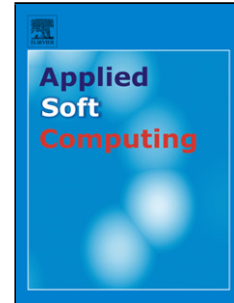
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Highlights

- A novel semi-supervised matrix learning classification algorithm named LapMatLSSVM is proposed.
- To have a good ability to process different kinds of patterns.
- To effectively exploit the geometric information from unlabeled matrix patterns via the manifold regularization.
- To reduce the memory required for the weight vectors and be guided by some prior information which is reflected in the representation of the Kronecker production of weight vectors.
- Validity is investigated by comparing it with related algorithms on image datasets and UCI datasets.

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