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Cost-sensitive multi-label learning with positive and negative label pairwise correlations

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Highlights:

1. We propose a novel cost-sensitive multi-label learning model with positive and negative label pairwise correlations.
2. We introduce a new regularizer to exploit the negative label pairwise correlations.
3. Kernel extension of the linear model is provided to explore nonlinear input-output relationships.
4. Two accelerated gradient methods (AGM) are adopted to efficiently solve the linear and kernel model.
5. Extensive experiments have verified the effectiveness of our proposed method.

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