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Classification with class noises through probabilistic sampling

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Highlights

- A probabilistic sampling (PSAM) scheme is proposed to improve the classifier accuracy with mislabeled training data.
- A multiple voting based method is proposed for PSAM to estimate the confidence of each training data.
- A novel sampling method is proposed for PSAM which selects training data from an inflated training dataset.
- Results show the proposed PSAM achieves good classification accuracy.

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