Vote-boosting ensembles

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Highlights

- A boosting algorithm with a new emphasis function is proposed.
- The instance weights are determined in terms of the degree of agreement or disagreement among the individual ensemble predictions.
- The optimal type of emphasis (either on instances for which there is agreement or disagreement) can be empirically determined using cross validation.
- Vote-boosting can be used to build ensembles that are both accurate and robust to class-label noise.