

# Potential-Based Agnostic Boosting

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- We present a simple algorithm that boosts without changing distributions over *unlabeled* examples in the agnostic learning setting.
- We exploit the fact that since we are in the *agnostic setting*, weak learners have to be tolerant to noise, and by adding controlled noise to the data, we repeatedly get *reasonably accurate* hypotheses which we can combine to get a *highly accurate* hypothesis.