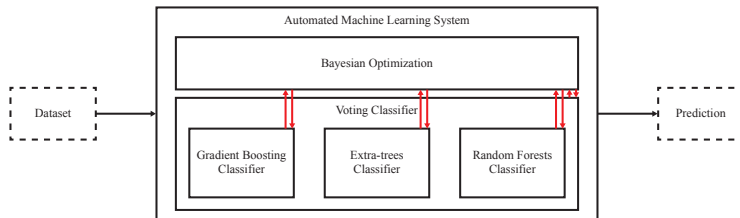# Automated Machine Learning for Soft Voting in an Ensemble of Tree-based Classifiers

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- ▶ Voting classifier constructed by three tree-based classifiers: gradient boosting, extra-trees, and random forests classifiers produces predictions.
- ▶ Voting classifier and tree-based classifiers are iteratively optimized by Bayesian optimization for the given time budget.
- ▶ Our system is written in `Python`, and we use `scikit-learn` and our own Bayesian optimization package.
- ▶ We took second place in AutoML Challenge 2018.

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