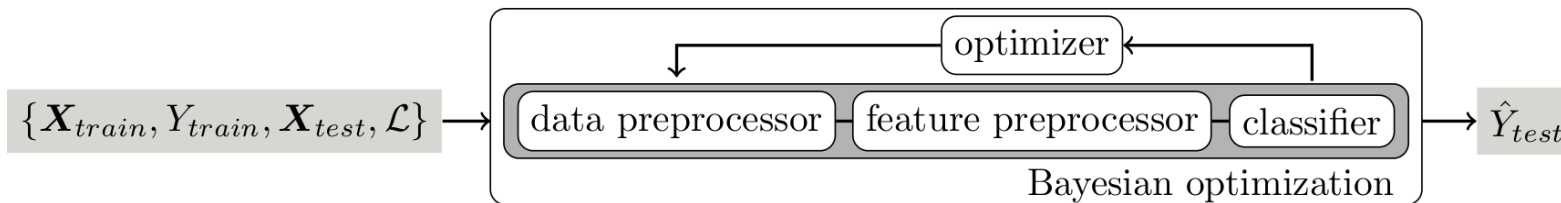




# Methods for Improving Bayesian Optimization for AutoML

Current state-of-the-art in AutoML:

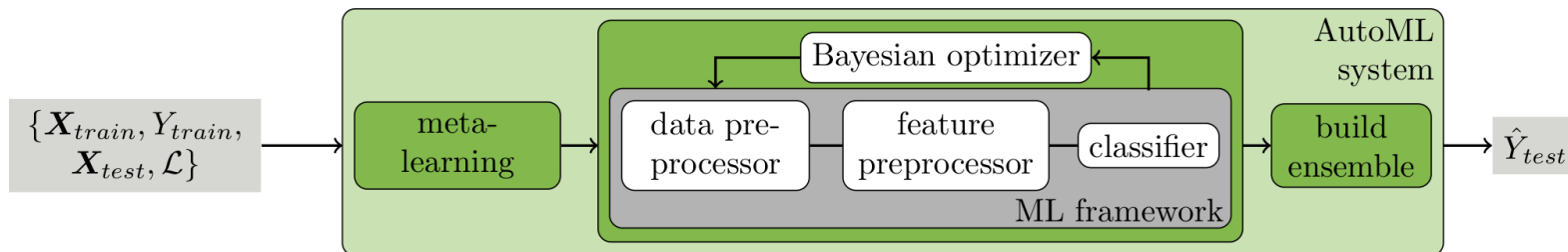


Implemented by Auto-WEKA



# Methods for Improving Bayesian Optimization for AutoML

Our additions: **meta-learning** and **ensemble building**



Implemented by **auto-sklearn**



# Methods for Improving Bayesian Optimization for AutoML

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auto-sklearn as a drop-in replacement for a scikit-learn classifier:

```
import autosklearn
cls = autosklearn.AutoSklearnClassifier()
cls.fit(X_train, y_train)
print cls.score(X_test, y_test)
```