

start

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graph TD; Start([start]) --> Step1[Select a problem instance distribution]; Step1 --> Step2[Select one or more algorithms]; Step2 --> Step3[Select a set of inexpensive, distribution-independent features]; Step3 --> Step4[Generate a set of instances, determine run time of algorithm, compute features]; Step4 --> Step5[Eliminate redundant(correlated) features]; Step5 --> Step6[Use machine learning to select a function of the features to predict run time]; Step6 --> End([End]);
```

Select a problem instance distribution

Select one or more algorithms

Select a set of inexpensive,  
distribution-independent features

Generate a set of instances, determine  
run time of algorithm, compute features

Eliminate redundant(correlated) features

Use machine learning to select a function  
of the features to predict run time

End