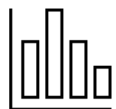
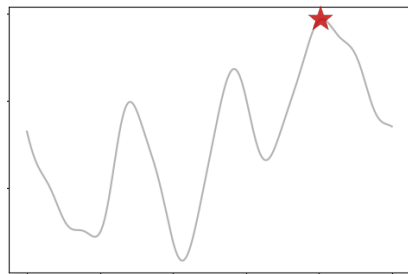
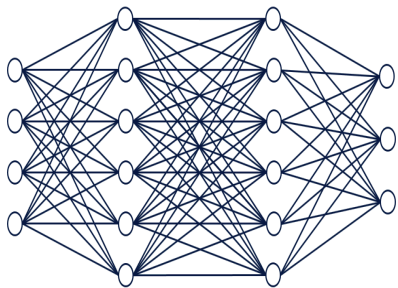


Bayesian Optimization for AutoML

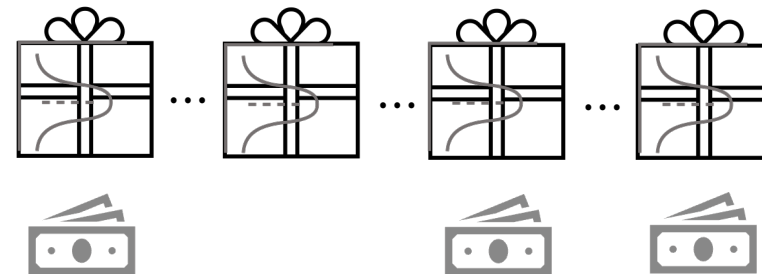


Varying evaluation costs



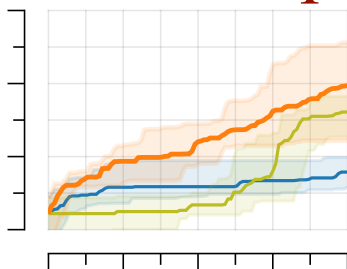
Adaptive stopping time

Key idea



Link to Pandora's Box problem
and Gittins index theory

Impact



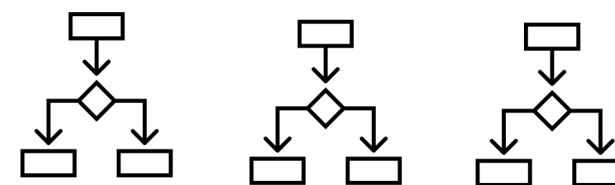
PBGI

Novel acquisition function and stopping rule
w/ competitive empirical performance



"Cost-aware Bayesian Optimization via the
Pandora's Box Gittins Index."

Future potentials



Bayesian optimization w/
observable multi-stage feedback



"Cost-aware Stopping for
Bayesian Optimization."

Gittins Index vs Baselines on LCBench

