The Dependence of Effective Planning Horizon on Model Accuracy

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December 15, 2015

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What is the point?

Background

UCT Story

UCT Results

RandomMDP Story

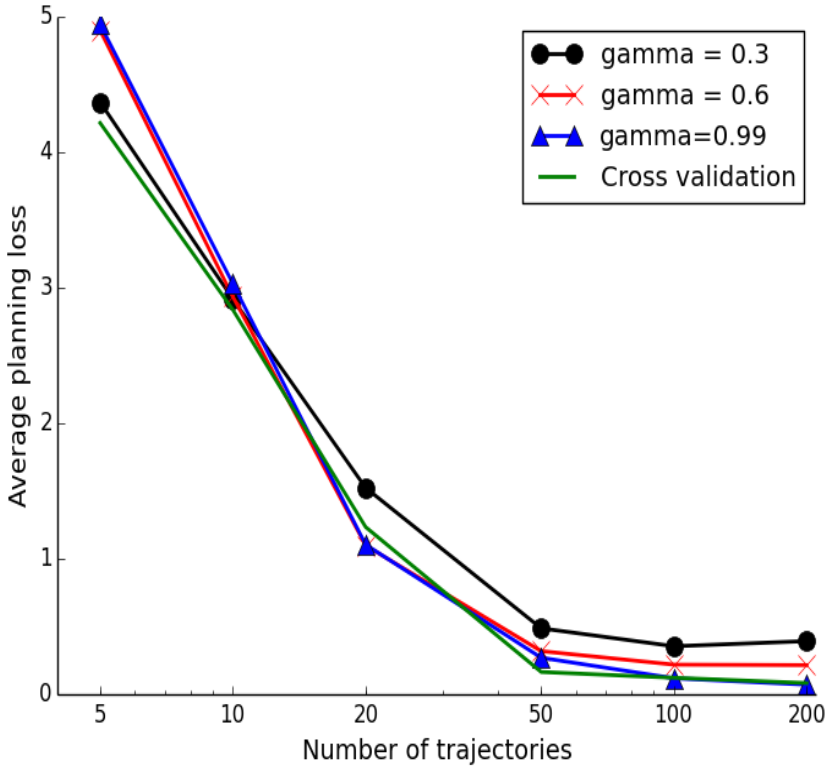
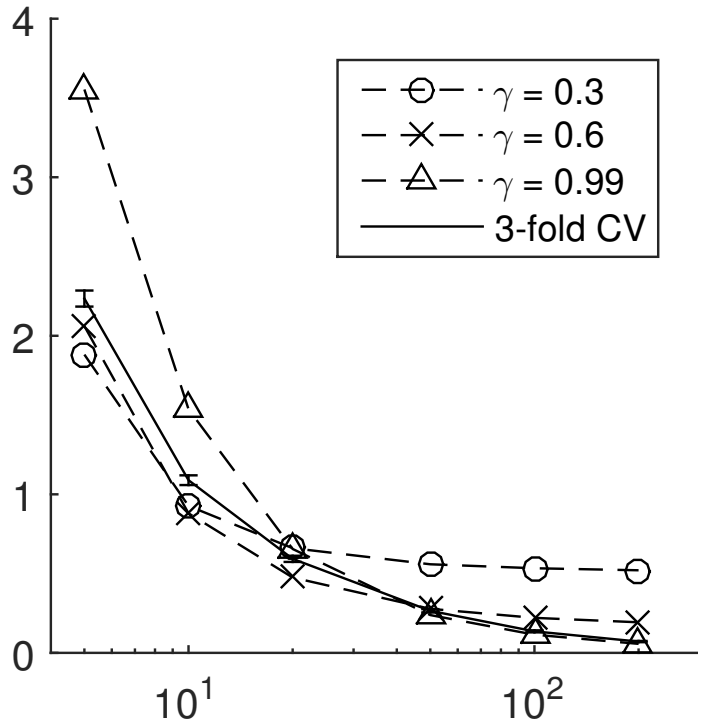
The evaluation is performed on a MDP designed by the authors, called RandomMDP, specified as:

1. 10 states, 2 actions
2. choose next state uniformly random from 5 possible states
3. rewards uniform(0,1), sample rewards have additive Gaussian noise

Evaluation approach:

RandomMDP Results

our results



their results