

## Practice Quiz

Graded Assignment • 30 min



English ▾

**Due** Jun 13, 11:59 PM +07

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# Your grade: 100%

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To pass you need at least 80%. We keep your highest score.

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1. TD(0) is a solution method for:

1 / 1 point

- ☐ Control
- ☒ Prediction

Correct! TD(0) is used to estimate the value function for a given policy. In other words, it is a solution method for the prediction problem.

2. Which of the following methods use bootstrapping? (Select all that apply)

1 / 1 point

- ☒ Dynamic Programming

Correct! DP algorithms are obtained by turning Bellman equations into update rules for improving approximations of the desired value functions. These methods update estimates of the values of states based on estimates of the values of successor states. That is, they update estimates on the basis of other estimates.

- ☐ Monte Carlo

- ☒ TD(0)

Correct! Temporal Difference methods update “a guess from a guess”. They estimate the value of the current state using the immediate reward and the estimate of the value in the next state. They bootstrap off their own estimates.