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## **Lecture 03: Monte Carlo Methods**

83 plays · 132 players

A public kahoot

Questions (7)		
1 - Qu	ıiz	
For I	60 sec	
	update only the first time-step that a state is visited.	×
<b>\limits</b>	update every time-step that a state is visited.	×
	store all returns, we ever observed.	×
	use the empirical mean return instead of expected return.	<b>✓</b>
2 - Qı	uiz	
Com	pared to Policy Evaluation, Monte Carlo evaluation	60 sec
	returns a more accurate value-function.	×
<b>\</b>	converges faster.	×
	does not require a model.	✓
	needs less exploration in the real world.	×
3 - Tr	ue or false	
	en MC eval. sees each state infinitely often, it converges to the value-function ind. from the learning rate.	60 sec
	True	×

False

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4 - Quiz		
If we base our improvement on Q(s, a), we	60	) sec
don't need transition and reward probabilit	ies.	<b>✓</b>
can ignore exploration.		×
5 - True or false		
MC methods can only be used in on-policy setting	gs. 30	) sec
True		×
False		<b>✓</b>
6 - True or false		
The IS ratio for MC control only needs to take the the updated state into account.	current time step of 30	) sec
True		×
False		<b>✓</b>
7 - True or false		
By adding the IS ratio, bias and variance are redu off-policy possible.	ced to make learning 30	) sec
True		×
False		/