MC & TD

Quiz, 4 questions

1 point	
1.	
	we need function approximation in RL? Check all that apply.
	Because we want our agent to be memory-, space- and data efficient.
	Learning with tabular methods is much more unstable compared to learning with function approximation.
	Relying on function approximation allows us to achieve greater reward in any environment.
	Because the state and action space may be big or combinatorially enormous, rendering tabular methods impossible to use.
1 point	
2. Monte-	Carlo learning (MC) vs Temporal Difference learning (TD). Select all options that apply.
	In TD learning we can use as few as one step of experience (s,a,r,s^\prime) to update the model.
	In TD learning we cannot update the model until the end of an episode is reached.
	MC targets have small variance.
	TD targets have small variance.
	In MC learning we can use as few as one step of experience (s,a,r,s^\prime) to update the model.
	In MC learning we cannot update the model until the end of an episode is reached.

3.

1 point

In TD learning we approximate $MC\ \&\ TD$
Quiz, 4 quest plicy function.
Value function.
Expectation of targets.
Reward function.
Discount factor γ .
1 point
4. What is correct about Offline and Online methods?
TD is online.
MC is offline.
MC is online.
TD is offline.
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