← Back Reinforcement learning introduction
Graded Quiz ∙ 30 min

⊕ English ∨ Due Oct 27, 11:59 PM -03

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	received 100%	Grade 100%	ssion	T <b>o pass</b> 80% o higher	r	oo to next item
	Vou aro uning rainforc	oment learning to centry	ol a four logged r	abot The position of the	a rabat would be its	1/1 point
	reward return state action	ement learning to contro	or a rour regged ro	noct. The position of the	TODOL WOULD DE ILS	
	○ Correct Great!					
	You are controlling a Mars rover. You will be very very happy if it gets to state 1 (significant scientific discovery), slightly happy if it gets to state 2 (small scientific discovery), and unhappy if it gets to state 3 (rover is permanently damaged). To reflect this, choose a reward function so that:					1/1 point
	R(1) > R(2) > R(3), where R(1), R(2) and R(3) are positive.  R(1) < R(2) < R(3), where R(1) and R(2) are negative and R(3) is positive.  R(1) > R(2) > R(3), where R(1), R(2) and R(3) are negative.  R(1) > R(2) > R(3), where R(1) and R(2) are positive and R(3) is negative.					
	○ Correct     Good job!					
	You are using reinforce in some state and receifinal step (where it has -100 - 0.75*100 + 0 -0.25*2	, your helicopter starts 1000 on the third and	1/1 point			
	○ Correct     Awesome!					
١.	Given the rewards and	l actions below, comput	e the return from	state 3 with a discount	factor of $\alpha=0.25$	1/1 point
	end	start		state o men a albeoant	octor or y 0120.	
		$ \begin{array}{c c} \hline 0 & 0 \\ \hline 2 & 3 \\ \gamma = 0 \end{array} $	0 4 0.25	0 40 5 6	← reward	
	<ul><li>6.25</li><li>0.39</li><li>25</li><li>0</li></ul>					
	Correct	state 3 the rewards are i	n states 3 2 and	1. The return is		

 $0+(0.25) imes 0+(0.25)^2 imes 100=6.25.$ 

Congratulations! You passed!

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