Lesson 2 Quiz

Started: May 31 at 10:30pm

Quiz Instructions

Once you begin the Lesson 2 Quiz, you will have one hour to write up your solutions and submit the solutions to Gradescope.

The Gradescope quiz assignment will remain open until the quiz deadline, but your quiz submission must be submitted within 1 hour of when you begin the quiz to be counted for credit.

You may notice that each Quiz has a textbox on Canvas. You do not need to enter anything in these textboxes. You can hit submit on the Canvas quiz when you are done, but you still need to submit your full solutions on Gradescope.

Question 1	0 pts

Consider the following normal form game. Which strategies, if any, are weakly dominated. In each case state the strategy that is dominated and state a strategy it is dominated by. Write up your solution and submit to Gradescope.

			Player 2		
		W	X	Y	Z
Player 1	A	$(2,6)$	$(4,3)$	$(1,2)$	$(0,2)$
	B	$(3,6)$	$(6,0)$	$(0,1)$	$(1,0)$

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Question 2
0 pts

In the Big Monkey, Little Monkey game from Lesson 1 (also shown in section 1.5 of the textbook) we assumed that Big Monkey had the first move.

Assume instead that Little Monkey moves first. Redraw the game tree and analyze the outcome via backward induction.

Write up your solution and submit to Gradescope.

7.81

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Question 3
0 pts

Consider a two player game where player 1 chooses any real number $x \in (-\infty, \infty)$. Player 2 observes Player 1's choice and then choose a real number $y \in (-\infty, \infty)$.

Suppose that player 2's payoff function is $\pi_i(x, y) = 48y - 4xy - 6y^2$

Determine player 2's best response function. Write up your solution and submit to Gradescope.

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Quiz saved at 10:41pm   Submit Quiz