

Experimental Economics

30.9.2014, Jan Řezáč

Table 1: A Zero-Sum Game

#15: You are Player 1 in the following game:

		Player 2	
		L	R
Player 1	T	2,-2	0,0
	B	0,0	1,-1

Imagine that Player 2 is an anonymous player. What will you play?

Table 2: Hoteling's Main Street Game

Imagine you are the manager of a chain of cafes competing with two other similar chains. Each of you is about to rent a shop in one of the 7 new identical huge apartment buildings standing along a beach strip. Once each of you knows exactly where the other two competitors locate, it will be too late to move to another location. You expect that the customers (the residents in the 7 buildings) will not distinguish between the three cafes and will pick the one which is closest to their home. In which building (a number between 1 and 7) will you locate your cafe?

Table 4: Relying on the rationality of another player

You are player 1 in a two-person game with the following monetary payoff matrix:

		Player 2	
		A	B
Player 1	A	5,5	-100,4
	B	0,1	0,0

What will you play?

Table 5: Successive Elimination

You are player 1 in a two-person game with the following payoff matrix:

		Player 2			
		A	B	C	D
Player 1	A	5,2	2,6	1,4	0,4
	B	0,0	3,2	2,1	1,1
	C	7,0	2,2	1,5	5,1
	D	9,5	1,3	0,2	4,8

What will you play?

Table 6: The Dictator Game

Imagine that you and another person (who you do not know) are to share \$100. You need to decide how to split the \$100 between the two of you.

#187: How much will you give to the other person (and you keep the rest)?

Table 7: The Ultimatum Game

Imagine that you and another person (who you do not know) are to share \$100. You must make an offer as to how to split the \$100 between the two of you and he must either accept or reject your offer. In the case that he rejects the offer, neither of you will get anything. What will your offer be? I offer the following amount to the other person (and if he agrees I will get the remainder):

Table 8: The one-shot chain store game

In your neighborhood, there is one grocery store and one tailor. At the moment, the profits of the grocery store owner are around \$10K per month while the tailor's profits are only \$4K per month. The tailor asks your advice about whether to change his shop into a grocery store. He figures that if the grocer does not respond aggressively to the new competition, each of them will earn about \$6K per month. On the other hand, if the grocer does respond aggressively and starts a price war, then the earnings of each store will be reduced to about \$2K per month. What is your advice to the tailor?

Table 10: The "Stop or Pass" Game

You are player number 1 among a group of 20 players participating in a 20-stage game. At stage t , player t has to decide whether to stop the game or pass the game on to player $t+1$. If he stops the game, he receives \$10 while all other players receive nothing. If none of the 20 players stop the game, then they all receive \$11 each. Your choice is:

Table 11: The Traveler's Dilemma

Imagine you are one of the players in the following two-player game: Each of the players chooses an amount between \$180 and \$300. Both players receive the lower amount. Five dollars are transferred from the player who chose the larger amount to the player who chose the smaller one. In the case that the same amount is chosen by both players, each receives that amount and no transfer is made. What amount would you choose?

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Table 15: The Contribution Game

You are participating in a game with four other players. In the game, each player gets 10 tokens. You have to decide how to allocate the 10 tokens between 2 different funds: (1) Your personal fund: for each token you invest in your personal fund, you (and only you) will receive \$4. (2) The group fund: for each token any player invests in the group fund, each of the 5 players receives \$2 (regardless of how much they themselves invested in this fund). Your decision is how to divide the 10 tokens between the 2 funds. You may mix up the investment of your 10 tokens in any way you wish.

I allocate the following amount of tokens to the group fund:

Sources:

<http://arielrubinstein.tau.ac.il/papers/Typology.pdf>