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Self Centered and Other Regarding Behavior in the
Solidarity Game: Instructions and Decision Forms

1 Instructions

Translated from German.

Welcome and thanks for participating in this experiment. Please read these instructions carefully. If you have any question, please raise your hand. We will come to your place and answer your questions. It is prohibited to communicate with the other participants during the experiment. Otherwise, we shall have to exclude you from the experiment and from all payments.

These instructions are identical for all participants. Furthermore, all forms, which have to be filled in during this Experiment, are identical for all participants.

The experiment

Each participant is a member of a randomly formed three-person-group. Each member of a group might win a certain amount of money that will be specified in the decision form. The probability to win is $\frac{2}{3}$. The probability to loose is therefore $\frac{1}{3}$. So, obviously, there are four possibilities:

1. the three members of a group win
2. one member wins and the other two loose
3. two members win and the other one looses
4. the three members loose

If you are a winner you will receive the amount specified in the decision form. From this amount you can voluntarily hand something over to the losers in your group. Your payoff is therefore the amount you received minus the amount you gave to the loser(s) in your group.

Your decisions are absolutely anonymous. Due to the following procedure it is guaranteed that neither the other participants nor the experimenters can assign

decisions which were made to certain persons.

Procedure

1. You will be asked to draw an envelope from a box. This box contains as many envelopes as participants in this experiment. Inside each envelope you find a card with a code number that just you know. Please keep this card and show it to no other participant or to one of the experimenters except to the monitor mentioned under point 8 in this procedure. One of these cards is marked with the word 'monitor'. This 'monitor' will guarantee that this experiment will be conducted as it is written here. The monitor himself will not participate in this experiment. If you are not the monitor, you find three further envelopes (blue, red, green). Please do not open these envelopes before we ask you to do so. We will tell you when to open each particular envelope.
2. Then everybody except the monitor has to open the blue envelope. In this envelope you will find a decision form, which is marked with your code number on the backside. Please fill in this decision form completely. After you have filled in this form please put it back into the envelope and close the envelope. Once everybody has filled in the decision form, the monitor will collect them all with a box.
3. Then every participant (except the monitor) will open the green envelope when we ask them to do. Inside you will find another form with your code number on the backside. Please fill in this form completely, put it back into the envelope and close the envelope. Once everybody has filled in the form, the monitor will collect the green envelopes.
4. After this we will ask you to open the red envelope. Inside you will find a third and last form. Please fill in this form completely as well and put it back into the envelope. Once everybody has filled in the form, the monitor will collect the red envelopes.
5. The monitor will draw one envelope at a time from the box containing the blue envelopes with the decision forms. She / he will throw a normal six-sided dice once for each decision form. If one of the numbers 1, 2, 3, or 4 appears, the monitor will write 'winner' on the envelope. If one of the numbers 5 or 6 appears he or she will write 'loser' on the envelope. After this all envelopes are put back into the box and are mixed again.

6. The monitor will draw again the blue envelopes from the box. The envelopes will be randomly matched in groups of three. For each group the experimenters will open the envelopes and calculate the payoff. Please notice that the experimenters don't know and won't know the identity of the participants.
7. After the calculation of the payoffs, the experimenters will put the money into envelopes which are marked with the code numbers. After this the experimenters leave the room.
8. The monitor will now come to each of the participants. Please give her/him your code number. The monitor will give you then the corresponding envelope. Please do not yet open the envelope.
9. When all envelopes are distributed the monitor will take the experimenters in again. When we tell you to do so, please open the envelope and check the money.
10. After this you can leave the room. At the door there will be a list with all code numbers and the corresponding payoffs. Please sign there that you received money in cash under one of these code numbers. Due to this procedure your payoff stays anonymous.

2 Forms

Translated from German.

Decision form.

Your group consists of three participants.

In case of *three winners* in your group each of you receives ten euro.

In case of *two winners* in your group each of the two winners receives ten euro, the loser receives zero euro.

In case that you are one of the two winners in your group:

How much of your ten euro would you give to the loser in your group? (each amount between zero and ten euro is possible, in ten cent steps)

Please enter the amount here:

In case of *one winner* in your group, the winner receives ten euro, and both losers receive zero euro.

In case that you are the winner :

How much of your ten euro would you give to each of the two losers in your group?(each amount between zero and ten euro is possible, in ten cent steps)
Please enter the amount here:

In case of *no winner* in your group each of you receives zero euro.

Please put this decision form back into the blue envelope and close it.

Expectations form.

In the previous form you could say how much you would give to the loser(s) in your group in case that you are a winner.. How much do you think do the other participants give *on average to each loser in the group?*

in case of *one* loser in the group:.....

in case of *two* losers in the group:.....

Please notice, you get one extra euro if one of the amounts is exact or differs at most 50 cent, or two euro extra if both of the amounts are exact or differ at most 50 cent each.

Please put this form back into the envelope.

3rd form: Interpersonal Reactivity Index Questionnaire

1. I daydream and fantasize, with some regularity, about things that might happen to me. (FS)
2. I often have tender, concerned feelings for people less fortunate than me. (EC)
3. I sometimes find it difficult to see things from the 'other guy's' point of view. (PT-)
4. Sometimes I don't feel very sorry for other people when they are having problems. (EC-)
5. I really get involved with the feelings of the characters in a novel. (FS)
6. In emergency situations, I feel apprehensive and ill-at-ease. (PD)
7. I am usually objective when I watch a movie or a play, and I don't often get completely caught up in it. (FS-)

8. I try to look at everybody's side of a disagreement before I make a decision. (PT)
9. When I see someone being taken advantage of, I feel kind of protective towards them (EC)
10. I sometimes feel helpless when I am in the middle of a very emotional situation. (PD)
11. I sometimes try to understand my friends better by imagining how things look from their perspective. (PT)
12. Being extremely involved in a book or movie is somewhat rare for me. (FS-)
13. When I see someone get hurt, I tend to remain calm. (PD-)
14. Other people's misfortunes do not usually disturb me a great deal. (EC-)
15. If I'm sure I'm right about something, I don't waste much time listening to other people's arguments. (PT-)
16. After seeing a play or a movie, I have felt as though I were one of the characters. (FS)
17. Being in a tense emotional situation scares me. (PD)
18. When I see someone being treated unfairly, I sometimes don't feel very much pity for them. (EC-)
19. I am usually pretty effective in dealing with emergencies. (PD-)
20. I am often quite touched by things that I see happen. (EC)
21. I believe that there are two sides to every question and I try to look at them both. (PT)
22. I would describe myself as a pretty soft-hearted person. (EC)
23. When I watch a good movie, I can very easily put myself in the place of a leading character. (FS)
24. I tend to lose control during emergencies. (PD)
25. When I'm upset at someone, I usually try to 'put myself in his shoes' for a while. (PT)

26. When I'm reading an interesting story or novel, I imagine how I would feel if the events in the story were happening to me. (FS)
27. When I see someone who badly needs help in an emergency, I go to pieces. (PD)
28. Before criticizing somebody, I try to imagine how I would feel if I were in their place. (PT)