

Note: For both the reflexive and reflective questionnaire's, 20-item scales are shown below. For a shorter version of the scales, retain just the first 3 items for each need (leaving 15 items total for basic needs).

Citation for belonging, self-esteem, control, and meaningful existence items:

Williams, K. D. (2009). Ostracism: A temporal need-threat model. In M. Zanna (Ed.), *Advances in Experimental Social Psychology*, 41, (pp. 279-314). NY: Academic Press.

Citation for certainty items:

Hales, A. H., & Williams, K. D. (2018). Marginalized individuals and extremism: The role of ostracism in openness to extreme groups. *Journal of Social Issues*, 74, 75-92. doi: 10.1111/josi.12257

Reflexive Questionnaire:

<i>For each question, please circle the number to the right that best represents the feelings you were experiencing DURING the game.</i>	Not at all				Extremely
Belonging					
I felt "disconnected" (R)	1	2	3	4	5
I felt rejected (R)	1	2	3	4	5
I felt like an outsider (R)	1	2	3	4	5
I felt I belonged to the group	1	2	3	4	5
I felt the other players interacted with me a lot	1	2	3	4	5
Self esteem					
I felt good about myself	1	2	3	4	5
My self-esteem was high	1	2	3	4	5
I felt liked	1	2	3	4	5
I felt insecure (R)	1	2	3	4	5
I felt satisfied	1	2	3	4	5
Meaningful existence					
I felt invisible (R)	1	2	3	4	5
I felt meaningless (R)	1	2	3	4	5
I felt non-existent (R)	1	2	3	4	5
I felt important	1	2	3	4	5
I felt useful	1	2	3	4	5
Control					
I felt powerful	1	2	3	4	5
I felt I had control	1	2	3	4	5
I felt I had the ability to significantly alter events	1	2	3	4	5
I felt I was unable to influence the action of others (R)	1	2	3	4	5
I felt the other players decided everything (R)	1	2	3	4	5
Certainty					

I felt uncertain about myself (R)	1	2	3	4	5
I felt confident about who I am	1	2	3	4	5
I felt unsure of what makes me who I am (R)	1	2	3	4	5
I was certain about what to do	1	2	3	4	5
I did not know what I should be doing (R)	1	2	3	4	5
MOOD					
Good	1	2	3	4	5
Bad	1	2	3	4	5
Friendly	1	2	3	4	5
Unfriendly	1	2	3	4	5
Angry	1	2	3	4	5
Pleasant	1	2	3	4	5
Happy	1	2	3	4	5
Sad	1	2	3	4	5
Manipulation check					
<i>For the next three questions, please circle the number to the right (or fill in the blank) that best represents the thoughts you had during the game.</i>					
I was ignored	1	2	3	4	5
I was excluded	1	2	3	4	5
Assuming that the ball should be thrown to each person equally (33% if three people; 25% if four people), what percentage of the throws did you receive?	_____ %				

Reflective Questionnaire

<i>For each question, please circle the number to the right that best represents the feelings you are experiencing RIGHT NOW.</i>	Not at all				Extremely
	Belonging				
I feel "disconnected" (R)	1	2	3	4	5
I feel rejected (R)	1	2	3	4	5
I feel like an outsider (R)	1	2	3	4	5
I feel I belong to the group	1	2	3	4	5
I feel the others interact with me a lot	1	2	3	4	5
Self esteem					
I feel good about myself	1	2	3	4	5
My self-esteem is high	1	2	3	4	5
I feel liked	1	2	3	4	5
I feel insecure (R)	1	2	3	4	5
I feel satisfied	1	2	3	4	5
Meaningful existence					
I feel invisible (R)	1	2	3	4	5
I feel meaningless (R)	1	2	3	4	5
I feel non-existent (R)	1	2	3	4	5
I feel important	1	2	3	4	5

I feel useful	1	2	3	4	5
Control					
I feel powerful	1	2	3	4	5
I feel I have control	1	2	3	4	5
I feel I have the ability to significantly alter events	1	2	3	4	5
I feel I am unable to influence the action of others (R)	1	2	3	4	5
I feel others decide everything (R)	1	2	3	4	5
Certainty					
I feel uncertain about myself (R)	1	2	3	4	5
I feel confident about who I am	1	2	3	4	5
I feel unsure of what makes me who I am (R)	1	2	3	4	5
I am certain about what to do	1	2	3	4	5
I do not know what I should be doing (R)	1	2	3	4	5
MOOD					
Good	1	2	3	4	5
Bad	1	2	3	4	5
Friendly	1	2	3	4	5
Unfriendly	1	2	3	4	5
Angry	1	2	3	4	5
Pleasant	1	2	3	4	5
Happy	1	2	3	4	5
Sad	1	2	3	4	5