Supplementary Materials for:

Replications Provide Mixed Evidence that Inequality Moderates the Association between Income and Generosity

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Procedures

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Fig S1: Dictator Game Giving as a Function of Income and Level of Economic Inequality in Respondents' Home States

References

Data sets, code for analysis, and pre-registration for MTurk 2019 Study can be obtained at: https://dataverse.harvard.edu/loginpage.xhtml?redirectPage=%2Fdataset.xhtml%3FpersistentId%3Ddoi%3A10.7910%2FDVN%2FIDJAWT

Procedures

Participants in all of the new datasets reported here completed surveys that included demographic questions and a dictator game measure of generosity. Participants indicated their income by choosing among several options. We assigned the midpoint of each income category. For participants who chose the top category, we used a formula developed by Hout (2004) to determine the amount. Participants in our MTurk 2016 and 2019 studies reported their home state. We determined the home states of participants from the Human Cooperation Laboratory Study by matching their MTurk IDs to a separate pre-screen survey maintained by one of our laboratories. Participants from the Human Cooperation Laboratory Study were not included in the analyses if they did not report their income, their home state was not available in our prescreen survey, or if they failed a comprehension check for the dictator game. In all studies, participants took part in a dictator game measure in which they could give raffle tickets or money to another participant.

Hout M (2004) “Getting the most out of the GSS income measures.” GSS Methodological Report 101 (Univ of California, Berkeley, CA).

Table S1

Correlations among Dictator Game Giving, Charitable Donations, and Volunteering in our Pre-Registered 2019 MTurk Study

Variable	1	2	3
1. Dictator Game Giving			
2. Charitable Donations	.03		
3. Volunteering	.05**	.16***	

*P < 0.05. **P < 0.01, ***P < 0.001.

Table S2

Results of Tests of Interaction between Inequality and Income Predicting Dictator Game Giving

	Original Study			MTurk 2016 Study			MTurk 2016 Study			Human Cooperation Laboratory Study			Pre-registered MTurk 2019 Study			Pre-registered MTurk 2019 Study		
	Household income			Personal income			Household income			Personal income			Personal income			Household income		
	n=1,498			n=507			n=507			n=3,696			n=3,802			n=3,806		
	B	SE	*t*	*B*	SE	*t*	*B*	SE	*t*	*B*	SE	*t*	*B*	SE	*t*	*B*	SE	*t*
Intercept	4.33	.08	56.13***	2.59	.12	21.69***	2.58	.12	21.66***	3.09	.05	61.67***	3.27	.04	72.96***	3.27	.04	73.26***
Inequality	-7.46	4.04	-1.85	-5.09	6.47	-.79	-5.04	6.48	-.78	-3.24	2.62	-1.24	.96	2.40	.40	.92	2.40	.38
Income	.02	.01	1.48	.16	.05	3.40***	.09	.03	3.28**	.004	.01	.46	-.03	.01	-3.48***	-.01	.01	-1.57
Interaction	-1.56	.54	-2.91**	-5.55	2.34	-2.37*	-2.49	1.52	-1.63	-.91	.45	-2.01*	.22	.41	.53	-.23	.27	-.85

*P < 0.05. **P < 0.01. ***P < 0.001.

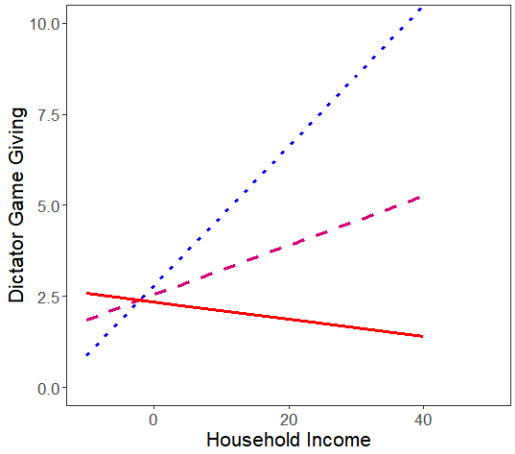
Table S3

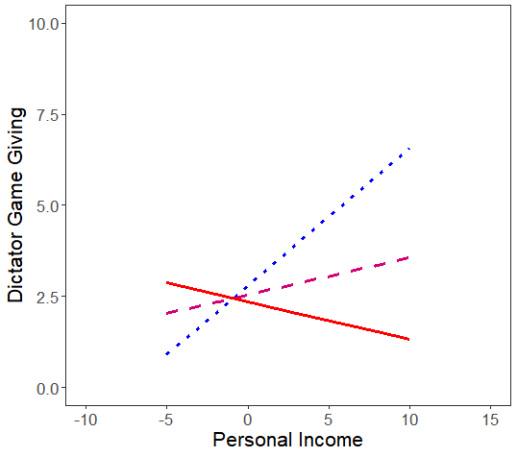
Results of Tests of Interaction between Inequality and Income Predicting Self-Reported Charitable Donations and Volunteering in our Pre-Registered 2019 MTurk Study

	Charitable donations Household income			Charitable donations Personal income			Volunteering Household income			Volunteering Personal income		
	B	SE	*t*	*B*	SE	*t*	*B*	SE	*t*	*B*	SE	*t*
Intercept	1.13	.09	12.00***	1.13	.09	12.03***	2.11	.02	103.03***	2.11	.02	103.15***
Inequality	-1.91	4.96	-.39	-2.00	4.94	-.40	-1.60	1.09	-1.47	-1.67	1.08	-1.54
Income	-.02	.01	-1.28	.01	.02	.35	.02	.002	6.99***	.02	.004	6.06
Interaction	-.20	.59	-.34	-.91	.94	-.97	-.02	.12	-.18	-.32	.19	-1.63

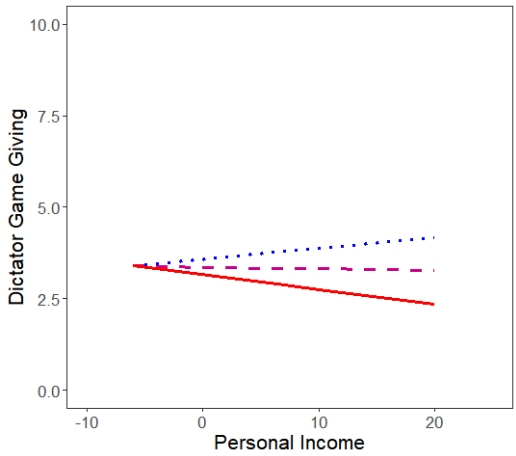
n=3,795 to 3,806
*P < 0.05. **P < 0.01, ***P < 0.001.

MTurk 2016 Study

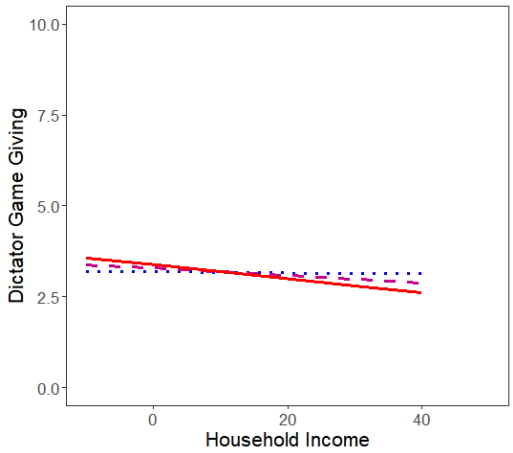




Human Cooperation Laboratory Study



Pre-Registered MTurk 2019 Study



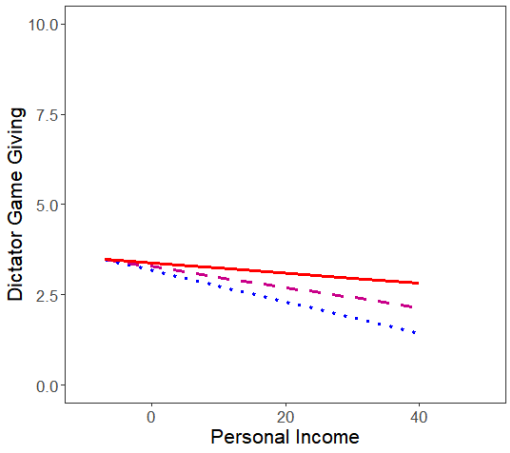


Fig. S1. Dictator game giving as a function of income and level of economic inequality in respondents' home states. Lines are projections based on regression estimates from the overall model. The blue, dotted line depicts the projected association between income and dictator game giving in the area with the lowest level of inequality. The pink, dashed line depicts this association in an area with an average level of inequality. The red, solid line depicts this association in the area with the highest level of inequality.

References

Previous Studies Reporting Correlations between Measures of Generosity:

Benz M, Meier S (2008) Do people behave in experiments as in the field? Evidence from donations. *Experimental Economics* 11: 268-281.

Peysakhovich A, Nowak MA, Rand DG (2014) Humans display a 'cooperative phenotype' that is domain general and temporally stable. *Nature Communications* 5: 4939.

Yamagishi T, Mifune N, Li Y, Shinada M, Hashimoto H, Horita Y, ... Takagishi H (2013) Is behavioral pro-sociality game-specific? Pro-social preference and expectations of pro-sociality. *Organizational Behavior and Human Decision Processes* 120: 260-271.