1   Alternative infectious disease and race exposure metrics for Project Implicit dataset

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Alternative infectious disease and race exposure metrics for Project Implicit dataset

Additional metrics

Within this supplemental, we include additional infectious disease and race exposure metrics so that we can strengthen our main paper results. In each model, we include the same variables from our main paper; however, the title describes to readers what has been added and what has been removed; for instance, the first model has nonzoonotic and zoonotic and thus, the original infectious disease metric is removed from the model. First, we include a split disease metric for our original infectious disease rates variable that is separated into nonzoonotic infectious disease and zoonotic infectious disease rates for each state. Nonzoonotic diseases have the capacity for human-to-human infection and interaction whereas zoonotic diseases do not (Thornhill et al., 2010). The nonzoonotic and zoonotic metrics are from Thornhill and colleagues (2010) paper. The predominant reason for including these metrics is that nonzoonotic should be more consistently significant if parasite-stress is supported; this is because human-to-human infectious diseases is what parasite-stress hypothesis argues we have evolved to avoid.

Additionally, we include median std deaths and median non-std deaths for each state. These metrics are from Mullett and colleagues (2020) paper; the rationale for including these is that some critics argue that the infectious disease rate findings can be explained by STDs rather than overall infectious diseases. However, we argue that regardless of the metric (infectious disease, nonzoonotic, std deaths), a significant and meaningful result only strengthens parasite stress hypothesis due to each metric being an infectious disease metric. Finally, we include an alternative race exposure metric: the proportion of Black citizens in a state (O'Shea et al., 2019). This is because in prior analyses, race exposure is highly correlated with infectious disease rates and thus, some readers may find the addition of this new variable methodologically rigorous. Overall, we find that the supplemental model results provide additional support that parasite-stress and race exposure are consistently (significant

30 or borderline significant) important and meaningful predictors of racial bias.

Table 1

Linear mixed-effect results of White participant d score model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.11	[0.03, 0.19]	2.72	38.29	.010
Nonzoonotic	0.01	[0.00, 0.03]	1.96	39.47	.057
Zoonotic	0.00	[-0.01, 0.02]	0.65	38.46	.520
Race exposure	-0.01	[-0.02, 0.01]	-1.13	38.35	.265
Gini coefficient	0.02	[0.00, 0.03]	1.91	38.20	.064
Median income	0.02	[0.00, 0.03]	1.89	38.86	.066
Confederate state1	0.01	[-0.03, 0.05]	0.55	38.05	.589
Pop dens	0.02	[0.00, 0.04]	2.30	37.64	.027
Nonwhite exposure	0.02	[0.01, 0.04]	2.98	44.95	.005
Percentage citizens	-0.01	[-0.04, 0.01]	-0.91	38.96	.366
Unemployment	0.00	[-0.01, 0.01]	-0.25	38.80	.803
Sex	-0.08	[-0.08, -0.07]	-60.89	2848473.94	< .001
Age	0.03	[0.03, 0.04]	47.95	2847462.20	< .001
Education	-0.03	[-0.03, -0.03]	-41.54	2848404.89	< .001
Political orientation	-0.14	[-0.14, -0.14]	-209.97	2847029.62	< .001
Religion	0.01	[0.00, 0.01]	8.62	2840053.65	< .001

Table 2

Linear mixed-effects results of White participant d score model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.12	[0.05, 0.19]	3.30	39.82	.002
Median std	0.00	[-0.01, 0.02]	0.67	40.00	.506
Race exposure	-0.01	[-0.03, 0.00]	-2.00	39.56	.052
Gini coefficient	0.02	[0.00, 0.04]	1.97	39.27	.055
Median income	0.01	[0.00, 0.03]	1.60	39.65	.118
Confederate state1	0.00	[-0.05, 0.04]	-0.14	39.03	.892
Pop dens	0.02	[0.00, 0.03]	2.40	39.19	.021
Nonwhite exposure	0.02	[0.00, 0.03]	2.16	44.62	.036
Percentage citizens	-0.01	[-0.04, 0.02]	-0.72	39.83	.475
Unemployment	0.00	[-0.01, 0.01]	-0.25	39.72	.804
Sex	-0.08	[-0.08, -0.07]	-60.89	2848474.29	< .001
Age	0.03	[0.03, 0.04]	47.95	2847724.51	< .001
Education	-0.03	[-0.03, -0.03]	-41.53	2848447.56	< .001
Political orientation	-0.14	[-0.14, -0.14]	-209.97	2847020.44	< .001
Religion	0.01	[0.00, 0.01]	8.63	2838051.20	< .001

Table 3

Linear mixed-effect results of White participant d score model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.12	[0.05, 0.19]	3.28	39.90	.002
Median no std	0.00	[-0.01, 0.02]	0.50	39.90	.623
Race exposure	-0.01	[-0.03, 0.00]	-1.98	39.58	.055
Gini coefficient	0.02	[0.00, 0.04]	2.02	39.28	.051
Median income	0.01	[0.00, 0.03]	1.59	39.68	.119
Confederate state1	0.00	[-0.05, 0.04]	-0.22	39.05	.831
Pop dens	0.02	[0.00, 0.03]	2.38	39.25	.022
Nonwhite exposure	0.02	[0.00, 0.03]	2.08	44.59	.044
Percentage citizens	-0.01	[-0.04, 0.02]	-0.79	39.84	.433
Unemployment	0.00	[-0.01, 0.01]	-0.19	39.86	.847
Sex	-0.08	[-0.08, -0.07]	-60.89	2848474.21	< .001
Age	0.03	[0.03, 0.04]	47.95	2847743.99	< .001
Education	-0.03	[-0.03, -0.03]	-41.53	2848447.24	< .001
Political orientation	-0.14	[-0.14, -0.14]	-209.97	2846985.62	< .001
Religion	0.01	[0.00, 0.01]	8.63	2838165.14	< .001

Table 4

Linear mixed-effect results of White participant d score model with proportion black replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.11	[0.04, 0.19]	2.86	38.73	.007
Disease rates	0.02	[-0.01, 0.05]	1.34	38.94	.189
Black Exposure	0.21	[-0.31, 0.72]	0.78	38.49	.439
Gini coefficient	0.02	[0.00, 0.03]	2.28	38.60	.028
Median income	0.01	[0.00, 0.03]	1.56	39.39	.126
Confederate state1	0.02	[-0.02, 0.06]	0.97	38.53	.339
Pop dens	0.02	[0.01, 0.04]	3.32	38.60	.002
Nonwhite exposure	0.02	[0.01, 0.04]	2.79	44.61	.008
Percentage citizens	-0.01	[-0.03, 0.02]	-0.52	40.23	.609
Unemployment	-0.01	[-0.02, 0.01]	-1.02	39.43	.313
Sex	-0.08	[-0.08, -0.07]	-60.89	2848474.99	< .001
Age	0.03	[0.03, 0.04]	47.94	2847181.00	< .001
Education	-0.03	[-0.03, -0.03]	-41.54	2848436.95	< .001
Political orientation	-0.14	[-0.14, -0.14]	-209.96	2846578.71	< .001
Religion	0.01	[0.00, 0.01]	8.62	2837092.37	< .001

Table 5

Linear mixed-effect results of White participant attitude model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	4.48	[4.40, 4.57]	103.82	39.03	< .001
Nonzoonotic	0.01	[0.00, 0.03]	1.92	39.80	.062
Zoonotic	0.00	[-0.01, 0.02]	0.17	39.16	.865
Race exposure	-0.02	[-0.03, 0.00]	-2.24	39.10	.031
Gini coefficient	0.01	[-0.01, 0.03]	1.37	38.99	.180
Median income	0.03	[0.01, 0.04]	2.77	39.40	.008
Confederate state1	0.00	[-0.04, 0.05]	0.09	38.89	.930
Pop dens	-0.01	[-0.02, 0.01]	-0.61	38.64	.547
Nonwhite exposure	0.02	[0.01, 0.04]	2.62	43.13	.012
Percentage citizens	-0.02	[-0.05, 0.01]	-1.21	39.45	.232
Unemployment	0.00	[-0.02, 0.01]	-0.37	39.36	.716
Sex	-0.09	[-0.09, -0.08]	-82.02	2646803.46	< .001
Age	0.01	[0.01, 0.02]	25.11	2646611.53	< .001
Education	0.03	[0.03, 0.03]	49.85	2646808.88	< .001
Political orientation	-0.16	[-0.16, -0.16]	-285.74	2646476.75	< .001
Religion	0.00	[0.00, 0.00]	3.15	2644622.69	.002

Table 6

Linear mixed-effect results of White participant attitude model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	4.49	[4.41, 4.57]	112.75	40.44	< .001
Median std	0.00	[-0.02, 0.01]	-0.33	40.55	.745
Race exposure	-0.02	[-0.04, -0.01]	-3.09	40.26	.004
Gini coefficient	0.02	[0.00, 0.04]	1.63	40.09	.111
Median income	0.02	[0.00, 0.04]	2.40	40.32	.021
Confederate state1	-0.02	[-0.07, 0.03]	-0.90	39.94	.372
Pop dens	-0.01	[-0.02, 0.01]	-0.97	40.03	.339
Nonwhite exposure	0.01	[0.00, 0.03]	1.46	43.43	.152
Percentage citizens	-0.02	[-0.05, 0.01]	-1.28	40.43	.207
Unemployment	0.00	[-0.01, 0.01]	0.03	40.37	.974
Sex	-0.09	[-0.09, -0.08]	-82.02	2646802.55	< .001
Age	0.01	[0.01, 0.02]	25.11	2646668.25	< .001
Education	0.03	[0.03, 0.03]	49.85	2646811.96	< .001
Political orientation	-0.16	[-0.16, -0.16]	-285.75	2646468.42	< .001
Religion	0.00	[0.00, 0.00]	3.16	2643985.39	.002

Table 7

Linear mixed-effect results of White participant attitude model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	4.49	[4.41, 4.57]	112.87	40.51	< .001
Median no std	0.00	[-0.02, 0.01]	-0.51	40.51	.610
Race exposure	-0.02	[-0.04, -0.01]	-3.07	40.30	.004
Gini coefficient	0.02	[0.00, 0.04]	1.69	40.11	.098
Median income	0.02	[0.00, 0.04]	2.39	40.36	.021
Confederate state1	-0.02	[-0.07, 0.02]	-0.99	39.97	.330
Pop dens	-0.01	[-0.02, 0.01]	-0.96	40.09	.342
Nonwhite exposure	0.01	[-0.01, 0.03]	1.38	43.46	.176
Percentage citizens	-0.02	[-0.05, 0.01]	-1.36	40.46	.181
Unemployment	0.00	[-0.01, 0.01]	0.06	40.47	.951
Sex	-0.09	[-0.09, -0.08]	-82.02	2646802.58	< .001
Age	0.01	[0.01, 0.02]	25.11	2646668.93	< .001
Education	0.03	[0.03, 0.03]	49.85	2646811.99	< .001
Political orientation	-0.16	[-0.16, -0.16]	-285.75	2646450.75	< .001
Religion	0.00	[0.00, 0.00]	3.16	2643961.98	.002

Table 8

Linear mixed-effect results of White participant attitude model with proportion black replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.11	[0.04, 0.19]	2.86	38.73	.007
Disease rates	0.02	[-0.01, 0.05]	1.34	38.94	.189
Black Exposure	0.21	[-0.31, 0.72]	0.78	38.49	.439
Gini coefficient	0.02	[0.00, 0.03]	2.28	38.60	.028
Median income	0.01	[0.00, 0.03]	1.56	39.39	.126
Confederate state1	0.02	[-0.02, 0.06]	0.97	38.53	.339
Pop dens	0.02	[0.01, 0.04]	3.32	38.60	.002
Nonwhite exposure	0.02	[0.01, 0.04]	2.79	44.61	.008
Percentage citizens	-0.01	[-0.03, 0.02]	-0.52	40.23	.609
Unemployment	-0.01	[-0.02, 0.01]	-1.02	39.43	.313
Sex	-0.08	[-0.08, -0.07]	-60.89	2848474.99	< .001
Age	0.03	[0.03, 0.04]	47.94	2847181.00	< .001
Education	-0.03	[-0.03, -0.03]	-41.54	2848436.95	< .001
Political orientation	-0.14	[-0.14, -0.14]	-209.96	2846578.71	< .001
Religion	0.01	[0.00, 0.01]	8.62	2837092.37	< .001

Table 9

Linear mixed-effect results of White participant Bayesian Racism model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.15	[0.07, 0.23]	3.82	39.43	< .001
Nonzoonotic	0.02	[0.01, 0.04]	3.40	42.63	.001
Zoonotic	0.01	[-0.01, 0.02]	0.80	39.78	.430
Race exposure	0.00	[-0.02, 0.01]	-0.43	38.00	.671
Gini coefficient	0.01	[-0.01, 0.02]	0.71	38.08	.483
Median income	-0.01	[-0.02, 0.01]	-0.86	42.49	.392
Confederate state1	0.02	[-0.03, 0.06]	0.75	37.40	.458
Pop dens	0.01	[0.00, 0.03]	1.52	35.72	.138
Nonwhite exposure	0.02	[0.00, 0.04]	2.31	76.54	.024
Percentage citizens	0.00	[-0.02, 0.03]	0.16	42.09	.873
Unemployment	-0.01	[-0.02, 0.01]	-0.73	40.64	.470
Sex	-0.11	[-0.12, -0.10]	-31.10	420595.23	< .001
Age	-0.02	[-0.02, -0.01]	-8.31	419121.71	< .001
Education	-0.06	[-0.07, -0.06]	-28.63	419885.49	< .001
Political orientation	-0.19	[-0.20, -0.19]	-98.64	418994.96	< .001
Religion	-0.02	[-0.03, -0.02]	-11.08	406100.24	< .001

Table 10

Linear mixed-effect results of White participant Bayesian Racism model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.17	[0.09, 0.24]	4.31	39.90	< .001
Median std	0.01	[0.00, 0.03]	1.89	40.62	.065
Race exposure	-0.01	[-0.03, 0.00]	-1.97	40.10	.055
Gini coefficient	0.00	[-0.01, 0.02]	0.48	37.07	.637
Median income	-0.01	[-0.03, 0.01]	-1.24	40.39	.223
Confederate state1	0.00	[-0.05, 0.04]	-0.04	36.54	.967
Pop dens	0.01	[-0.01, 0.03]	1.15	38.36	.257
Nonwhite exposure	0.01	[-0.01, 0.03]	1.29	65.76	.201
Percentage citizens	0.01	[-0.02, 0.04]	0.60	40.93	.553
Unemployment	-0.01	[-0.02, 0.01]	-0.72	39.28	.473
Sex	-0.11	[-0.12, -0.10]	-31.11	420618.71	< .001
Age	-0.02	[-0.02, -0.01]	-8.29	419609.22	< .001
Education	-0.06	[-0.07, -0.06]	-28.63	420248.21	< .001
Political orientation	-0.19	[-0.20, -0.19]	-98.65	419220.07	< .001
Religion	-0.02	[-0.03, -0.02]	-11.05	406817.64	< .001

Table 11

Linear mixed-effect rsults of White participant Bayesian Racism model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.17	[0.09, 0.24]	4.24	40.12	< .001
Median no std	0.01	[0.00, 0.03]	1.72	40.26	.094
Race exposure	-0.01	[-0.03, 0.00]	-1.94	40.21	.059
Gini coefficient	0.01	[-0.01, 0.02]	0.52	37.09	.607
Median income	-0.01	[-0.03, 0.01]	-1.23	40.43	.226
Confederate state1	0.00	[-0.05, 0.04]	-0.12	36.76	.908
Pop dens	0.01	[-0.01, 0.03]	1.11	38.60	.273
Nonwhite exposure	0.01	[-0.01, 0.03]	1.21	65.73	.231
Percentage citizens	0.01	[-0.02, 0.04]	0.53	41.02	.599
Unemployment	0.00	[-0.02, 0.01]	-0.65	39.76	.519
Sex	-0.11	[-0.12, -0.10]	-31.11	420620.85	< .001
Age	-0.02	[-0.02, -0.01]	-8.29	419642.67	< .001
Education	-0.06	[-0.07, -0.06]	-28.63	420270.35	< .001
Political orientation	-0.19	[-0.20, -0.19]	-98.65	419189.56	< .001
Religion	-0.02	[-0.03, -0.02]	-11.05	407241.19	< .001

Table 12

Linear mixed-effect results of White participant Bayesian Racism model with black exposure replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.16	[0.08, 0.23]	4.19	39.37	< .001
Disease rates	0.03	[0.00, 0.06]	2.18	36.48	.036
Black Exposure	0.26	[-0.22, 0.74]	1.08	34.62	.289
Gini coefficient	0.00	[-0.01, 0.02]	0.53	37.11	.600
Median income	-0.01	[-0.03, 0.00]	-1.89	42.87	.065
Confederate state1	0.03	[-0.01, 0.07]	1.32	36.97	.195
Pop dens	0.01	[0.00, 0.03]	2.10	38.03	.042
Nonwhite exposure	0.02	[0.00, 0.04]	2.05	71.42	.044
Percentage citizens	0.02	[-0.01, 0.04]	1.22	46.21	.229
Unemployment	-0.01	[-0.02, 0.00]	-1.73	40.19	.091
Sex	-0.11	[-0.12, -0.10]	-31.11	420552.03	< .001
Age	-0.02	[-0.02, -0.01]	-8.33	417023.23	< .001
Education	-0.06	[-0.07, -0.06]	-28.66	420041.41	< .001
Political orientation	-0.19	[-0.20, -0.19]	-98.63	417503.17	< .001
Religion	-0.02	[-0.03, -0.02]	-11.09	398922.73	< .001

Table 13

Linear mixed-effect results of White participant thermometer model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.31	[0.21, 0.40]	6.38	38.85	< .001
Nonzoonotic	0.01	[-0.01, 0.03]	1.16	39.52	.254
Zoonotic	0.00	[-0.01, 0.02]	0.42	38.97	.680
Race exposure	-0.02	[-0.04, -0.01]	-2.62	38.91	.013
Gini coefficient	0.01	[-0.01, 0.03]	1.06	38.82	.298
Median income	0.02	[0.00, 0.04]	2.21	39.17	.033
Confederate state1	0.03	[-0.02, 0.08]	1.25	38.74	.219
Pop dens	0.00	[-0.02, 0.02]	-0.10	38.52	.924
Nonwhite exposure	0.03	[0.01, 0.05]	3.13	42.36	.003
Percentage citizens	-0.02	[-0.05, 0.01]	-1.03	39.22	.309
Unemployment	-0.01	[-0.03, 0.01]	-1.12	39.13	.269
Sex	-0.08	[-0.08, -0.08]	-75.54	2791321.59	< .001
Age	0.00	[0.00, 0.00]	-4.06	2791175.29	< .001
Education	0.01	[0.01, 0.01]	10.96	2791331.21	< .001
Political orientation	-0.19	[-0.19, -0.19]	-331.84	2791077.53	< .001
Religion	-0.02	[-0.02, -0.02]	-30.79	2789587.33	< .001

Table 14

Linear mixed-effect results of White participant thermometer model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.32	[0.24, 0.40]	7.63	40.17	< .001
Median std	-0.01	[-0.03, 0.00]	-1.67	40.29	.102
Race exposure	-0.02	[-0.04, -0.01]	-3.18	40.00	.003
Gini coefficient	0.02	[0.00, 0.04]	1.87	39.83	.069
Median income	0.02	[0.00, 0.04]	2.09	40.06	.043
Confederate state1	0.00	[-0.05, 0.05]	-0.06	39.69	.949
Pop dens	0.00	[-0.02, 0.02]	-0.20	39.78	.845
Nonwhite exposure	0.02	[0.00, 0.03]	1.77	43.04	.083
Percentage citizens	-0.03	[-0.06, 0.00]	-1.79	40.17	.081
Unemployment	-0.01	[-0.02, 0.01]	-0.73	40.10	.469
Sex	-0.08	[-0.08, -0.08]	-75.54	2791322.89	< .001
Age	0.00	[0.00, 0.00]	-4.06	2791174.00	< .001
Education	0.01	[0.01, 0.01]	10.97	2791332.98	< .001
Political orientation	-0.19	[-0.19, -0.19]	-331.85	2790973.23	< .001
Religion	-0.02	[-0.02, -0.02]	-30.78	2788380.37	< .001

Table 15

Linear mixed-effect results of White participant thermometer model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.32	[0.24, 0.40]	7.73	40.24	< .001
Median no std	-0.01	[-0.03, 0.00]	-1.84	40.24	.073
Race exposure	-0.02	[-0.04, -0.01]	-3.17	40.03	.003
Gini coefficient	0.02	[0.00, 0.04]	1.94	39.85	.059
Median income	0.02	[0.00, 0.04]	2.08	40.10	.044
Confederate state1	0.00	[-0.05, 0.05]	-0.13	39.71	.897
Pop dens	0.00	[-0.02, 0.02]	-0.16	39.83	.874
Nonwhite exposure	0.02	[0.00, 0.03]	1.72	43.09	.092
Percentage citizens	-0.03	[-0.06, 0.00]	-1.87	40.19	.069
Unemployment	-0.01	[-0.02, 0.01]	-0.76	40.21	.450
Sex	-0.08	[-0.08, -0.08]	-75.54	2791323.12	< .001
Age	0.00	[0.00, 0.00]	-4.06	2791170.17	< .001
Education	0.01	[0.01, 0.01]	10.97	2791332.92	< .001
Political orientation	-0.19	[-0.19, -0.19]	-331.85	2790945.11	< .001
Religion	-0.02	[-0.02, -0.02]	-30.78	2788289.54	< .001

Table 16

Linear mixed-effect results of White participant thermometer model with black exposure replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.33	[0.23, 0.44]	6.28	39.78	< .001
Disease rates	0.03	[-0.01, 0.07]	1.63	39.92	.111
Black Exposure	-0.06	[-0.76, 0.63]	-0.18	39.71	.857
Gini coefficient	0.02	[0.00, 0.04]	1.65	39.73	.106
Median income	0.02	[0.00, 0.04]	2.02	40.09	.050
Confederate state1	0.03	[-0.02, 0.09]	1.14	39.70	.262
Pop dens	0.01	[-0.01, 0.03]	0.88	39.74	.384
Nonwhite exposure	0.03	[0.01, 0.05]	3.16	42.43	.003
Percentage citizens	-0.02	[-0.05, 0.02]	-1.01	40.46	.319
Unemployment	-0.02	[-0.03, 0.00]	-1.77	40.11	.084
Sex	-0.08	[-0.08, -0.08]	-75.54	2791319.56	< .001
Age	0.00	[0.00, 0.00]	-4.06	2791217.01	< .001
Education	0.01	[0.01, 0.01]	10.96	2791331.29	< .001
Political orientation	-0.19	[-0.19, -0.19]	-331.84	2791133.24	< .001
Religion	-0.02	[-0.02, -0.02]	-30.79	2789819.00	< .001

Table 17

Linear mixed-effect results of Black participant d score model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.11	[0.04, 0.18]	3.28	32.38	.003
Nonzoonotic	-0.03	[-0.04, -0.02]	-4.83	35.98	< .001
Zoonotic	0.01	[0.00, 0.02]	1.46	29.74	.154
Race exposure	0.00	[-0.01, 0.01]	0.28	31.99	.784
Gini coefficient	-0.01	[-0.02, 0.01]	-0.94	30.79	.355
Median income	0.00	[-0.02, 0.02]	0.02	39.35	.986
Confederate state1	-0.01	[-0.05, 0.02]	-0.72	27.08	.480
Pop dens	0.00	[-0.02, 0.01]	-0.25	29.19	.804
Nonwhite exposure	0.00	[-0.02, 0.01]	-0.41	81.34	.686
Percentage citizens	0.01	[-0.01, 0.04]	1.16	35.05	.253
Unemployment	-0.01	[-0.02, 0.00]	-2.15	34.19	.038
Sex	-0.02	[-0.03, -0.01]	-6.32	474075.37	< .001
Age	0.00	[0.00, 0.01]	1.29	474093.85	.198
Education	-0.01	[-0.01, 0.00]	-3.43	474406.83	< .001
Political orientation	-0.03	[-0.03, -0.02]	-18.05	474367.61	< .001
Religion	-0.01	[-0.02, -0.01]	-9.00	472383.31	< .001

Table 18

Linear mixed-effect results of Black participant d score model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.15	[0.09, 0.21]	4.96	35.77	< .001
Median std	-0.03	[-0.04, -0.02]	-5.44	35.92	< .001
Race exposure	0.02	[0.01, 0.03]	3.62	38.73	< .001
Gini coefficient	0.01	[0.00, 0.02]	1.54	29.65	.134
Median income	0.00	[-0.01, 0.02]	0.61	39.02	.548
Confederate state1	-0.02	[-0.05, 0.01]	-1.27	26.98	.214
Pop dens	0.01	[0.00, 0.02]	1.75	35.40	.088
Nonwhite exposure	0.00	[-0.02, 0.01]	-0.30	78.40	.768
Percentage citizens	-0.01	[-0.04, 0.01]	-1.08	36.04	.286
Unemployment	-0.02	[-0.03, -0.01]	-3.14	35.22	.003
Sex	-0.02	[-0.03, -0.01]	-6.34	473661.87	< .001
Age	0.00	[0.00, 0.01]	1.27	473522.39	.205
Education	-0.01	[-0.01, 0.00]	-3.42	474371.34	< .001
Political orientation	-0.03	[-0.03, -0.02]	-18.06	474096.73	< .001
Religion	-0.01	[-0.02, -0.01]	-9.01	471212.37	< .001

Table 19

Linear mixed-effect results of Black participant d score model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.15	[0.09, 0.21]	5.05	36.34	< .001
Median no std	-0.03	[-0.04, -0.02]	-5.46	35.65	< .001
Race exposure	0.02	[0.01, 0.03]	3.62	39.07	< .001
Gini coefficient	0.01	[0.00, 0.02]	1.55	29.81	.132
Median income	0.00	[-0.01, 0.02]	0.59	39.38	.556
Confederate state1	-0.02	[-0.05, 0.01]	-1.28	27.55	.212
Pop dens	0.01	[0.00, 0.02]	1.84	36.04	.075
Nonwhite exposure	0.00	[-0.02, 0.01]	-0.29	79.97	.775
Percentage citizens	-0.01	[-0.04, 0.01]	-1.08	36.59	.285
Unemployment	-0.02	[-0.03, -0.01]	-3.27	36.08	.002
Sex	-0.02	[-0.03, -0.01]	-6.34	473604.24	< .001
Age	0.00	[0.00, 0.01]	1.27	473536.12	.205
Education	-0.01	[-0.01, 0.00]	-3.42	474374.14	< .001
Political orientation	-0.03	[-0.03, -0.02]	-18.06	474090.28	< .001
Religion	-0.01	[-0.02, -0.01]	-9.01	471242.97	< .001

Table 20

Linear mixed-effect results of Black participant d score model with proportion black replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.12	[0.05, 0.19]	3.32	32.80	.002
Disease rates	-0.04	[-0.07, -0.02]	-3.23	32.40	.003
Black Exposure	0.08	[-0.36, 0.52]	0.37	27.02	.716
Gini coefficient	0.00	[-0.01, 0.01]	0.15	30.37	.879
Median income	0.01	[-0.01, 0.03]	1.33	38.25	.190
Confederate state1	-0.01	[-0.05, 0.02]	-0.84	26.45	.409
Pop dens	0.00	[-0.01, 0.01]	0.56	31.60	.582
Nonwhite exposure	0.00	[-0.02, 0.01]	-0.25	71.91	.805
Percentage citizens	-0.01	[-0.03, 0.02]	-0.47	38.39	.639
Unemployment	-0.01	[-0.02, 0.00]	-1.90	34.32	.066
Sex	-0.02	[-0.03, -0.01]	-6.31	474239.67	< .001
Age	0.00	[0.00, 0.01]	1.28	473787.73	.202
Education	-0.01	[-0.01, 0.00]	-3.43	474397.76	< .001
Political orientation	-0.03	[-0.03, -0.02]	-18.07	474270.51	< .001
Religion	-0.01	[-0.02, -0.01]	-8.99	472990.70	< .001

Table 21

Linear mixed-effect results of Black participant attitude model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	3.36	[3.24, 3.49]	54.22	18.94	< .001
Nonzoonotic	-0.05	[-0.07, -0.02]	-3.96	21.56	< .001
Zoonotic	0.02	[0.00, 0.04]	2.02	17.88	.058
Race exposure	0.03	[0.00, 0.05]	2.36	20.24	.029
Gini coefficient	-0.03	[-0.06, -0.01]	-2.75	18.52	.013
Median income	-0.03	[-0.06, 0.00]	-2.03	22.56	.055
Confederate state1	-0.05	[-0.11, 0.02]	-1.39	16.93	.182
Pop dens	0.00	[-0.02, 0.03]	0.12	17.85	.908
Nonwhite exposure	-0.01	[-0.04, 0.01]	-1.04	38.65	.305
Percentage citizens	0.00	[-0.04, 0.04]	0.09	20.72	.931
Unemployment	0.00	[-0.03, 0.02]	-0.36	20.08	.723
Sex	-0.26	[-0.26, -0.25]	-61.50	436744.51	< .001
Age	0.00	[0.00, 0.01]	1.88	436773.90	.060
Education	-0.07	[-0.08, -0.07]	-30.80	436869.62	< .001
Political orientation	-0.16	[-0.17, -0.16]	-80.97	436859.91	< .001
Religion	-0.02	[-0.02, -0.01]	-8.20	436220.98	< .001

Table 22

Linear mixed-effect results of Black participant attitude model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	3.41	[3.27, 3.56]	46.09	27.92	< .001
Median std	-0.01	[-0.04, 0.01]	-0.93	28.94	.361
Race exposure	0.05	[0.02, 0.07]	3.68	30.52	< .001
Gini coefficient	-0.02	[-0.05, 0.01]	-1.53	25.87	.139
Median income	-0.01	[-0.05, 0.02]	-0.68	29.22	.505
Confederate state1	-0.02	[-0.11, 0.06]	-0.57	23.74	.575
Pop dens	0.02	[-0.01, 0.05]	1.31	26.55	.201
Nonwhite exposure	0.00	[-0.03, 0.03]	-0.12	41.82	.903
Percentage citizens	-0.02	[-0.08, 0.03]	-0.82	27.82	.419
Unemployment	-0.01	[-0.04, 0.01]	-1.04	27.71	.308
Sex	-0.26	[-0.26, -0.25]	-61.51	436815.19	< .001
Age	0.00	[0.00, 0.01]	1.88	436842.33	.061
Education	-0.07	[-0.08, -0.07]	-30.80	436866.23	< .001
Political orientation	-0.16	[-0.17, -0.16]	-80.96	436871.24	< .001
Religion	-0.02	[-0.02, -0.01]	-8.21	436705.08	< .001

Table 23

Linear mixed-effect results of Black participant attitude model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	3.41	[3.27, 3.56]	45.89	28.15	< .001
Median no std	-0.01	[-0.04, 0.01]	-0.90	28.64	.376
Race exposure	0.05	[0.02, 0.07]	3.67	30.54	< .001
Gini coefficient	-0.02	[-0.05, 0.01]	-1.53	25.87	.139
Median income	-0.01	[-0.05, 0.02]	-0.68	29.30	.504
Confederate state1	-0.02	[-0.11, 0.06]	-0.55	23.81	.586
Pop dens	0.02	[-0.01, 0.05]	1.32	26.76	.197
Nonwhite exposure	0.00	[-0.03, 0.03]	-0.11	41.92	.915
Percentage citizens	-0.02	[-0.08, 0.03]	-0.81	27.89	.425
Unemployment	-0.01	[-0.04, 0.01]	-1.07	28.09	.293
Sex	-0.26	[-0.26, -0.25]	-61.51	436809.72	< .001
Age	0.00	[0.00, 0.01]	1.88	436842.73	.061
Education	-0.07	[-0.08, -0.07]	-30.80	436866.10	< .001
Political orientation	-0.16	[-0.17, -0.16]	-80.96	436871.09	< .001
Religion	-0.02	[-0.02, -0.01]	-8.21	436703.83	< .001

Table 24

Linear mixed-effect results of Black participant attitude model with black exposure replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	3.39	[3.23, 3.56]	41.17	24.55	< .001
Disease rates	-0.07	[-0.13, -0.01]	-2.37	25.53	.026
Black Exposure	0.08	[-0.97, 1.12]	0.14	22.50	.887
Gini coefficient	-0.03	[-0.06, 0.00]	-2.10	23.96	.047
Median income	-0.01	[-0.05, 0.03]	-0.59	27.56	.560
Confederate state1	-0.05	[-0.14, 0.03]	-1.27	22.01	.218
Pop dens	0.00	[-0.02, 0.03]	0.21	24.03	.838
Nonwhite exposure	-0.02	[-0.05, 0.02]	-1.05	38.06	.300
Percentage citizens	-0.03	[-0.08, 0.03]	-0.99	27.48	.331
Unemployment	0.00	[-0.03, 0.02]	-0.15	26.10	.885
Sex	-0.26	[-0.26, -0.25]	-61.49	436861.59	< .001
Age	0.00	[0.00, 0.01]	1.88	436837.50	.060
Education	-0.07	[-0.08, -0.07]	-30.80	436869.47	< .001
Political orientation	-0.16	[-0.17, -0.16]	-80.97	436871.37	< .001
Religion	-0.02	[-0.02, -0.01]	-8.18	436784.66	< .001

Table 25

Linear mixed-effect results of Black participant Bayesian racism model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.11	[0.01, 0.21]	2.08	27.13	.047
Nonzoonotic	0.02	[0.00, 0.04]	2.32	28.88	.027
Zoonotic	0.00	[-0.01, 0.02]	0.21	28.45	.836
Race exposure	0.01	[-0.01, 0.03]	1.02	22.45	.318
Gini coefficient	0.00	[-0.02, 0.02]	0.41	27.39	.688
Median income	-0.02	[-0.05, 0.01]	-1.34	35.99	.188
Confederate state1	0.01	[-0.04, 0.05]	0.25	20.76	.806
Pop dens	0.02	[0.00, 0.04]	1.67	25.74	.108
Nonwhite exposure	0.00	[-0.04, 0.03]	-0.28	77.20	.779
Percentage citizens	-0.01	[-0.05, 0.02]	-0.80	27.46	.432
Unemployment	-0.02	[-0.03, 0.00]	-1.73	24.20	.097
Sex	-0.08	[-0.10, -0.06]	-8.72	83922.92	< .001
Age	0.00	[-0.01, 0.01]	0.89	83509.48	.371
Education	-0.07	[-0.08, -0.06]	-12.95	83455.44	< .001
Political orientation	-0.09	[-0.10, -0.09]	-21.60	83914.26	< .001
Religion	0.02	[0.01, 0.03]	3.90	83316.12	< .001

Table 26

Linear mixed-effect results of Black participant Bayesian racism model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.10	[0.00, 0.21]	1.96	35.01	.058
Median std	0.01	[-0.01, 0.03]	1.40	34.59	.170
Race exposure	0.00	[-0.02, 0.02]	-0.10	29.14	.919
Gini coefficient	0.00	[-0.02, 0.02]	0.07	23.58	.943
Median income	-0.02	[-0.05, 0.00]	-1.67	40.41	.103
Confederate state1	0.00	[-0.05, 0.05]	-0.19	23.64	.847
Pop dens	0.01	[-0.01, 0.03]	1.18	33.03	.248
Nonwhite exposure	-0.01	[-0.05, 0.02]	-0.80	91.84	.424
Percentage citizens	-0.01	[-0.05, 0.03]	-0.41	34.56	.687
Unemployment	-0.01	[-0.03, 0.00]	-1.61	28.81	.119
Sex	-0.08	[-0.10, -0.06]	-8.70	83908.18	< .001
Age	0.00	[-0.01, 0.01]	0.92	83295.65	.356
Education	-0.07	[-0.08, -0.06]	-12.96	83471.19	< .001
Political orientation	-0.09	[-0.10, -0.09]	-21.62	83907.75	< .001
Religion	0.02	[0.01, 0.03]	3.91	83432.16	< .001

Table 27

Linear mixed-effect results of Black participant Bayesian racism model with median non-std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.10	[0.00, 0.21]	1.95	35.07	.060
Median no std	0.01	[-0.01, 0.03]	1.36	33.51	.184
Race exposure	0.00	[-0.02, 0.02]	-0.08	29.08	.937
Gini coefficient	0.00	[-0.02, 0.02]	0.10	23.49	.921
Median income	-0.02	[-0.05, 0.00]	-1.69	39.96	.098
Confederate state1	-0.01	[-0.06, 0.05]	-0.21	24.54	.839
Pop dens	0.01	[-0.01, 0.03]	1.17	32.88	.249
Nonwhite exposure	-0.01	[-0.05, 0.02]	-0.82	93.88	.416
Percentage citizens	-0.01	[-0.05, 0.03]	-0.42	35.22	.675
Unemployment	-0.01	[-0.03, 0.00]	-1.59	29.07	.122
Sex	-0.08	[-0.10, -0.06]	-8.70	83904.86	< .001
Age	0.00	[-0.01, 0.01]	0.92	83304.89	.355
Education	-0.07	[-0.08, -0.06]	-12.96	83479.69	< .001
Political orientation	-0.09	[-0.10, -0.09]	-21.62	83907.51	< .001
Religion	0.02	[0.01, 0.03]	3.91	83437.20	< .001

Table 28

Linear mixed-effect results of Black participant Bayesian racism model with black exposure replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	0.07	[-0.02, 0.17]	1.55	24.07	.133
Disease rates	0.01	[-0.03, 0.04]	0.53	25.71	.603
Black Exposure	0.51	[0.00, 1.03]	1.95	19.63	.066
Gini coefficient	0.00	[-0.02, 0.01]	-0.28	23.67	.783
Median income	-0.03	[-0.05, 0.00]	-2.15	43.53	.038
Confederate state1	0.02	[-0.02, 0.06]	1.10	17.39	.286
Pop dens	0.01	[0.00, 0.03]	1.37	28.81	.182
Nonwhite exposure	-0.01	[-0.04, 0.02]	-0.45	75.94	.652
Percentage citizens	0.01	[-0.03, 0.04]	0.41	29.49	.688
Unemployment	-0.02	[-0.03, 0.00]	-2.35	18.83	.030
Sex	-0.08	[-0.10, -0.06]	-8.74	83883.34	< .001
Age	0.00	[-0.01, 0.01]	0.86	82094.70	.389
Education	-0.07	[-0.08, -0.06]	-12.95	83110.43	< .001
Political orientation	-0.09	[-0.10, -0.09]	-21.60	83835.50	< .001
Religion	0.02	[0.01, 0.03]	3.87	82613.43	< .001

Table 29

Linear mixed-effect results of Black participant thermometer model with nonzoonotic and zoonotic replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	-0.53	[-0.63, -0.43]	-10.57	22.30	< .001
Nonzoonotic	-0.03	[-0.05, -0.02]	-3.75	25.27	< .001
Zoonotic	0.02	[0.01, 0.04]	2.93	20.74	.008
Race exposure	0.02	[0.00, 0.03]	1.92	23.13	.068
Gini coefficient	-0.03	[-0.05, -0.01]	-3.10	21.55	.005
Median income	-0.03	[-0.05, 0.00]	-2.21	26.93	.036
Confederate state1	-0.04	[-0.09, 0.01]	-1.46	19.37	.160
Pop dens	0.00	[-0.02, 0.02]	0.25	20.66	.808
Nonwhite exposure	0.00	[-0.02, 0.02]	-0.01	51.28	.994
Percentage citizens	0.01	[-0.02, 0.04]	0.54	24.39	.596
Unemployment	-0.01	[-0.02, 0.01]	-0.75	23.66	.462
Sex	-0.29	[-0.30, -0.28]	-73.21	463023.04	< .001
Age	0.10	[0.09, 0.10]	45.05	463065.45	< .001
Education	-0.05	[-0.06, -0.05]	-23.20	463277.46	< .001
Political orientation	-0.17	[-0.18, -0.17]	-90.23	463244.92	< .001
Religion	0.02	[0.02, 0.03]	12.90	461964.87	< .001

Table 30

Linear mixed-effect results of Black participant thermometer model with median std deaths replacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	-0.47	[-0.58, -0.35]	-7.87	27.77	< .001
Median std	-0.01	[-0.03, 0.01]	-1.04	28.70	.309
Race exposure	0.04	[0.01, 0.06]	3.35	30.68	.002
Gini coefficient	-0.02	[-0.04, 0.01]	-1.50	25.17	.146
Median income	-0.01	[-0.04, 0.02]	-0.77	29.49	.445
Confederate state1	-0.03	[-0.10, 0.04]	-0.89	22.84	.381
Pop dens	0.02	[0.00, 0.04]	1.68	26.66	.106
Nonwhite exposure	0.01	[-0.02, 0.04]	0.57	46.54	.573
Percentage citizens	-0.01	[-0.06, 0.03]	-0.65	27.68	.519
Unemployment	-0.02	[-0.04, 0.00]	-1.69	27.54	.103
Sex	-0.29	[-0.30, -0.28]	-73.23	463126.42	< .001
Age	0.10	[0.09, 0.10]	45.04	463179.64	< .001
Education	-0.05	[-0.06, -0.05]	-23.20	463306.95	< .001
Political orientation	-0.17	[-0.18, -0.17]	-90.22	463281.72	< .001
Religion	0.02	[0.02, 0.03]	12.88	462819.29	< .001

Table 31

Linear mixed-effect results of Black participant thermometer model with median non-std deaths repacing infectious disease rates

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	-0.47	[-0.58, -0.35]	-7.82	27.83	< .001
Median no std	-0.01	[-0.03, 0.01]	-1.06	28.16	.298
Race exposure	0.04	[0.01, 0.06]	3.36	30.50	.002
Gini coefficient	-0.02	[-0.04, 0.01]	-1.49	24.98	.150
Median income	-0.01	[-0.04, 0.02]	-0.78	29.39	.439
Confederate state1	-0.03	[-0.10, 0.04]	-0.90	22.78	.376
Pop dens	0.02	[0.00, 0.04]	1.70	26.73	.101
Nonwhite exposure	0.01	[-0.02, 0.04]	0.56	46.51	.576
Percentage citizens	-0.01	[-0.06, 0.03]	-0.66	27.59	.513
Unemployment	-0.02	[-0.04, 0.00]	-1.72	27.78	.096
Sex	-0.29	[-0.30, -0.28]	-73.23	463107.42	< .001
Age	0.10	[0.09, 0.10]	45.04	463177.98	< .001
Education	-0.05	[-0.06, -0.05]	-23.20	463306.95	< .001
Political orientation	-0.17	[-0.18, -0.17]	-90.22	463279.48	< .001
Religion	0.02	[0.02, 0.03]	12.88	462807.33	< .001

Table 32

Linear mixed-effect results of Black participant thermometer model with black exposure replacing race exposure

Term	$\hat{\beta}$	95% CI	t	df	p
Intercept	-0.50	[-0.64, -0.37]	-7.31	25.85	< .001
Disease rates	-0.06	[-0.11, -0.01]	-2.48	26.74	.020
Black Exposure	0.35	[-0.52, 1.21]	0.79	23.21	.438
Gini coefficient	-0.02	[-0.05, 0.00]	-2.06	25.01	.050
Median income	-0.01	[-0.04, 0.02]	-0.71	29.43	.485
Confederate state1	-0.04	[-0.11, 0.03]	-1.14	22.73	.267
Pop dens	0.01	[-0.02, 0.03]	0.62	25.33	.542
Nonwhite exposure	-0.01	[-0.03, 0.02]	-0.36	43.82	.723
Percentage citizens	-0.02	[-0.06, 0.03]	-0.71	29.43	.485
Unemployment	-0.01	[-0.03, 0.01]	-0.83	27.54	.413
Sex	-0.29	[-0.30, -0.28]	-73.21	463266.38	< .001
Age	0.10	[0.09, 0.10]	45.04	463202.31	< .001
Education	-0.05	[-0.06, -0.05]	-23.20	463306.56	< .001
Political orientation	-0.17	[-0.18, -0.17]	-90.23	463292.63	< .001
Religion	0.02	[0.02, 0.03]	12.90	463082.64	< .001

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