Statistical table 1: Statistical details for the linear mixed models. For each combination of predictor, response variable, and social distancing measure, we provide the t-value and the p-value.

Model	Variable	Distance traveled		Visitation rate		Encounters rate	
		t	*p*	*t*	*p*	*t*	*p*
Mean value in phase iii	Proportion poor	11.1	<0.001	7.92	<0.001	5.51	<0.001
	Proportion essential	6.19	<0.001	4.15	<0.001	5	<0.001
	Population density	-9.85	<0.001	-6.52	<0.001	-6.8	<0.001
	Proportion Black	-3.15	0.002	-7.39	<0.001	-1.08	0.28
Slope in phase ii	Proportion poor	16.1	<0.001	10.2	<0.001	5.6	<0.001
	Proportion essential	6.05	<0.001	4.21	<0.001	0.72	0.47
	Population density	-16	<0.001	-7.52	<0.001	-3.88	<0.001
	Proportion Black	-4.48	<0.001	-5.58	<0.001	-0.1	0.92
Slope in phase iv	Proportion poor	6.65	<0.001	2.6	0.009	-1.28	0.2
	Proportion essential	-4.78	<0.001	-1.26	0.21	1.79	0.07
	Population density	-3.98	<0.001	-5.05	<0.001	-4.99	<0.001
	Proportion Black	-3.61	<0.001	-6.95	<0.001	-0.49	0.62

Statistical table 2: Statistical details for a linear mixed model of distance traveled and the mean value in phase iii including interactions between the proportion of Black population and the poverty status, the proportion of Black population and the essential status, and the poverty status and the essential status. For each response variable and interaction, we provide the t-value and the p-value. All response variables are scaled to zero mean and unit variance before model run.

Model	Variable	Distance traveled	
		t	*p*
Mean value in phase iii	Proportion poor	11.1	<0.001
	Proportion essential	7.59	<0.001
	Population density	-9.70	<0.001
	Proportion Black	-4.02	<0.001
	Proportion poor : proportion Black	1.84	0.065
	Proportion poor : proportion essential	-6.08	<0.001
	Proportion Black : proportion essential	3.32	0.001