

1. Exclusion

	Eastern	Southern	Western	All
Reason to exclude				
N without exclusion	3,877	5,333	18,292	27,502
Careless responding	156 (4.0%)	82 (1.5%)	256 (1.4%)	494 (1.8%)
Confusion	752 (19.4%)	658 (12.3%)	1,718 (9.4%)	3,128 (11.4%)
Familiarity of the research question	1,669 (43.0%)	2,501 (46.9%)	10,332 (56.5%)	14,502 (52.7%)
Technical problem	531 (13.7%)	413 (7.7%)	1,225 (6.7%)	2,169 (7.9%)
Non-native speaker	347 (9.0%)	177 (3.3%)	1,305 (7.1%)	1,829 (6.7%)
Failed attention check (Study1a)	720 (18.6%)	943 (17.7%)	1,311 (7.2%)	2,974 (10.8%)
Failed attention check (Study1b)	849 (21.9%)	1,042 (19.5%)	1,336 (7.3%)	3,227 (11.7%)
Failed attention check (Study2a)	1,102 (28.4%)	1,071 (20.1%)	4,900 (26.8%)	7,073 (25.7%)
Failed attention check (Study2b)	1,195 (30.8%)	1,367 (25.6%)	5,528 (30.2%)	8,090 (29.4%)
Final sample				
Study1a	381	622	566	1,569
Study1b	327	553	546	1,426
Study2a	323	690	2,971	3,984
Study2b	277	576	2,660	3,513

2. Main replication analysis

Study 1a and 1b

Bayesian analysis

The effect of personal force on moral dilemma judgements on Trolley dilemmas

Exclusion	Cluster	BF	RR	t	df	p	Cohen's d
Exclude	Eastern	1.9e+02	7.00e-03, 14.00	-3.69	366.23	<.001	-0.38
	Southern	2.44e+07	1.00e-05, 2.80e+06	-6.32	619.93	<.001	-0.51
	Western	8.01e+01	1.20e-02, 4.30	-3.41	553.15	0.001	-0.29
Including familiar	Eastern	9.21e+04	<1.00e-05, 1.10e+04	-5.19	806.76	<.001	-0.36
	Southern	5.91e+12	<1.00e-05, 6.30e+14	-8.09	1345.85	<.001	-0.44
	Western	4.95e+05	<1.00e-05, 9.80e+07	-5.51	1338.48	<.001	-0.30

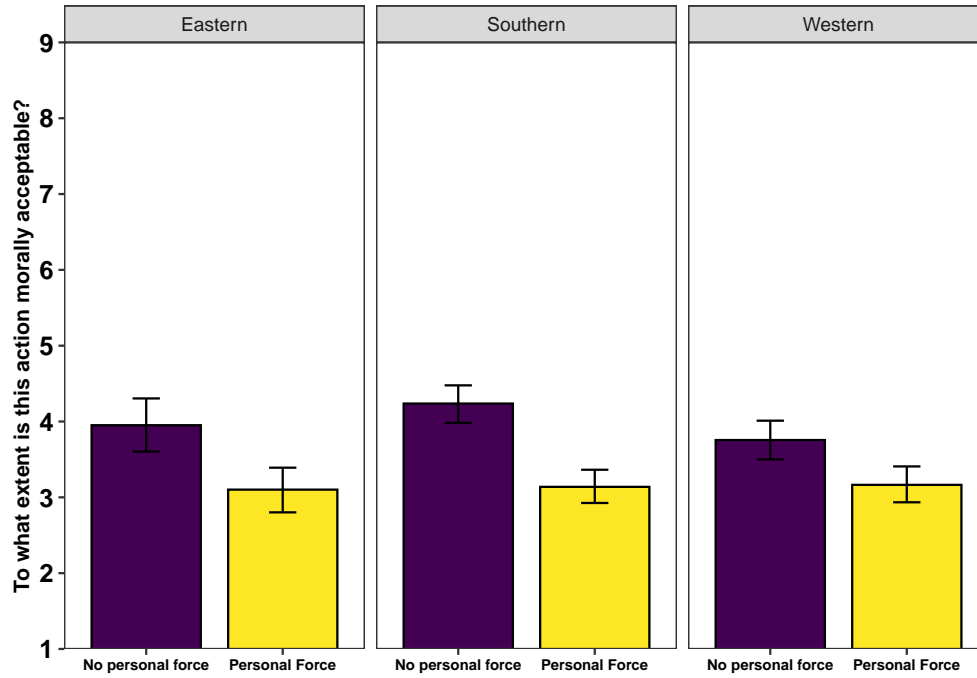


Figure 1: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied.

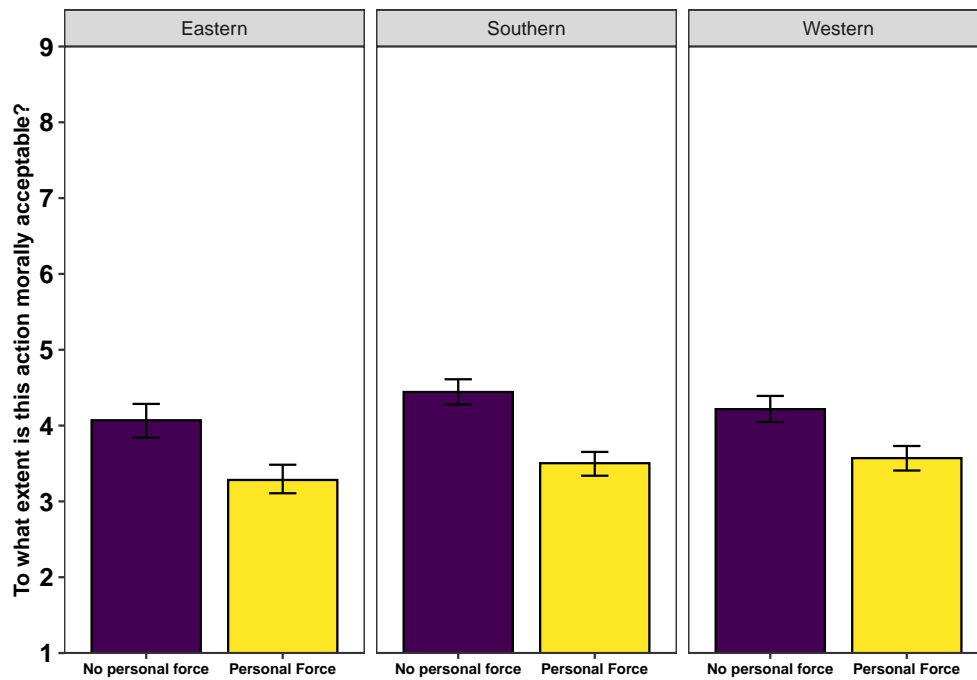


Figure 2: Results on Trolley dilemmas in Study 1 with no exclusion criteria applied.

The effect of personal force on moral dilemma judgements on Speedboat dilemmas

Exclusion	Cluster	BF	RR	t	df	p	Cohen's d
Exclude	Eastern	1.16e+05	1.50e-03, 1.70e+04	-5.26	283.92	<.001	-0.59
	Southern	1.01e+03	1.30e-03, 74.00	-4.19	436.86	<.001	-0.37
	Western	2.52e+01	3.30e-02, 1.2	-3.01	437.36	0.003	-0.27
Including familiar	Eastern	2.4e+04	<1.00e-05, 9.50e+03	-4.88	680.10	<.001	-0.37
	Southern	7.8e+06	<1.00e-05, 2.10e+08	-5.94	908.97	<.001	-0.36
	Western	5.53e+07	<1.00e-05, 1.0e+08	-6.34	1140.72	<.001	-0.35

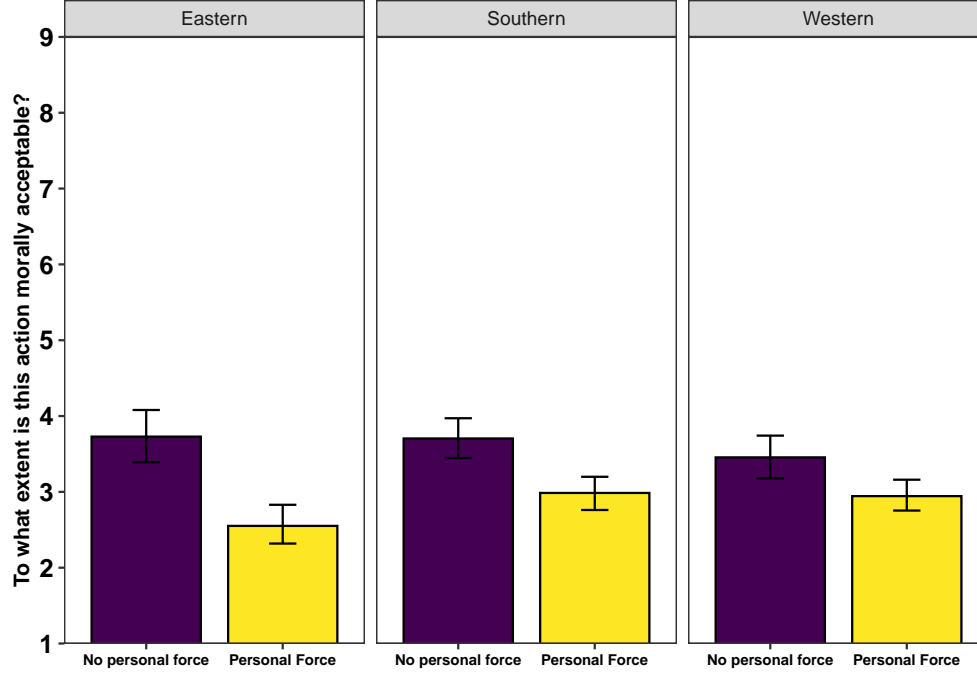


Figure 3: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied.

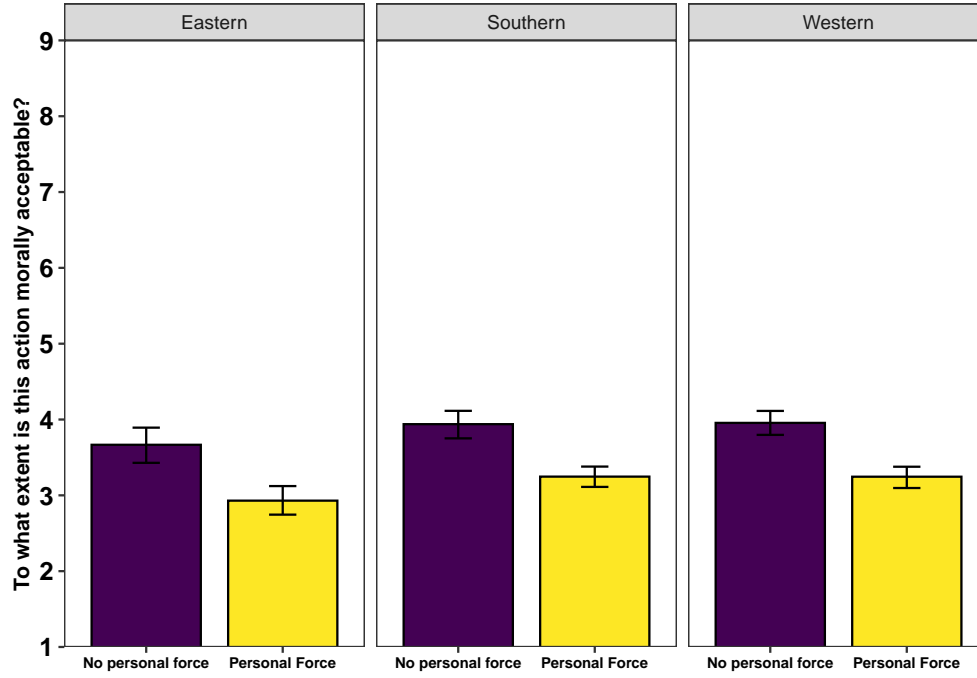


Figure 4: Results on Speedboat dilemmas in Study 1 with no exclusion criteria applied.

Study 2a and 2b

Do personal force interact with intention on Trolley dilemmas?

Exclusion	Cluster	BF	RR	F	df	p	Partial η^2	Raw effect
Exclusion	Eastern	5.69e-01	0.03, 0.64	0.041	1, 319	0.84	0.000	0.11
	Southern	9.38e+00	0.03, 0.2	9.455	1, 686	0.002	0.014	-1.00
	Western	1.47e+11	6.00e-05, 1.80e+03	58.035	1, 2967	<.001	0.019	-1.23
Include familiar	Eastern	2.84e+00	2.50e-02, 0.91	4.702	1, 588	0.031	0.008	-0.85
	Southern	3.07e+06	8.00e-05, 1.70e+03	36.642	1, 1373	<.001	0.026	-1.39
	Western	1.3e+30	<1.00e-05, 2.30e+14	146.955	1, 7871	<.001	0.018	-1.17

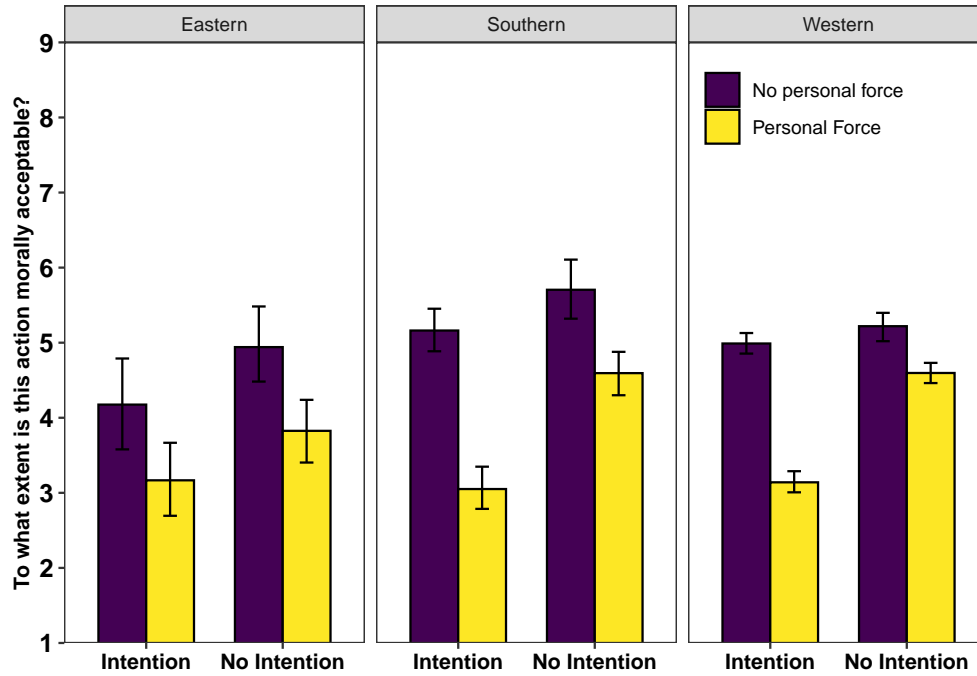


Figure 5: Results on Trolley dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

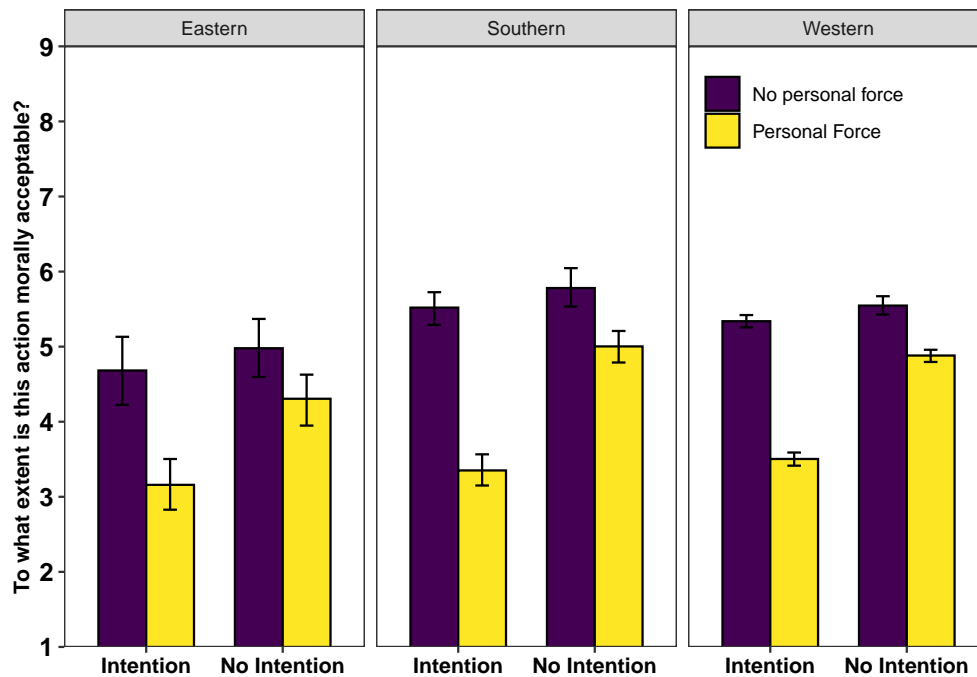


Figure 6: Results on Trolley dilemmas in Study 2 when no exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

Do personal force interact with intention on Speedboat dilemmas?

Exclusion	Cluster	BF	RR	F	df	p	Partial η^2	Raw effect
Exclusion	Eastern	4.30e-01	4.90e-02, 0.69	0.003	1, 273	0.959	0.000	-0.03
	Southern	3.60e-01	5.10e-02, 0.63	0.068	1, 572	0.794	0.000	0.11
	Western	2.22e+02	3.60e-02, 1.10	14.604	1, 2656	<.001	0.005	-0.64
Include familiar	Eastern	4.10e-01	2.60e-02, 0.72	0.009	1, 517	0.926	0.000	0.04
	Southern	1.14e+00	2.50e-02, 0.95	2.758	1, 1127	0.097	0.002	-0.53
	Western	4.96e+07	1.40e-02, 1.30	40.396	1, 7350	<.001	0.005	-0.61

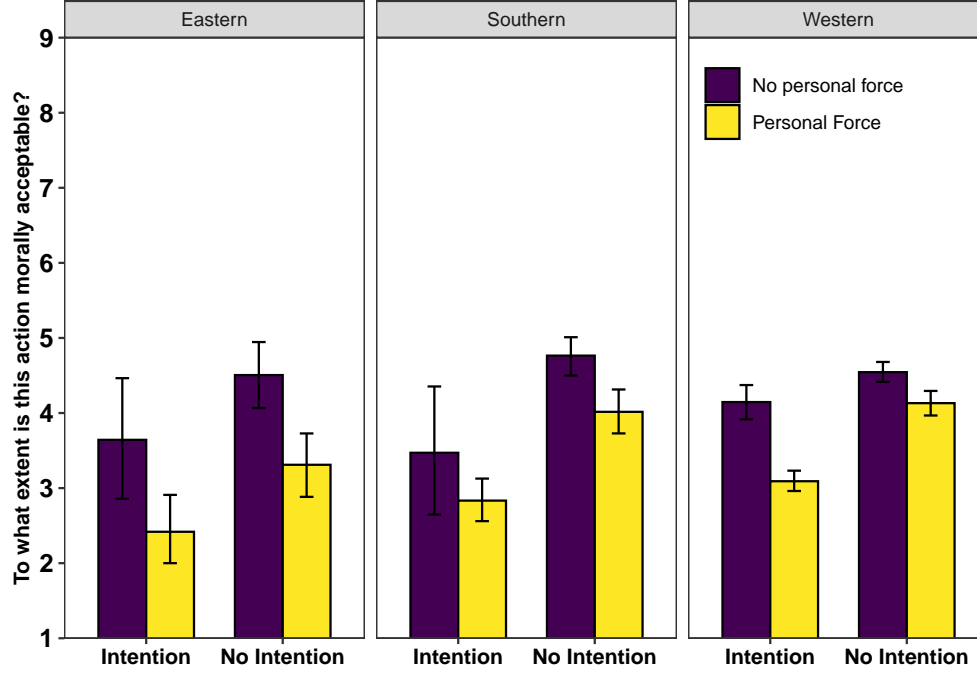


Figure 7: Results on the Speedboat dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

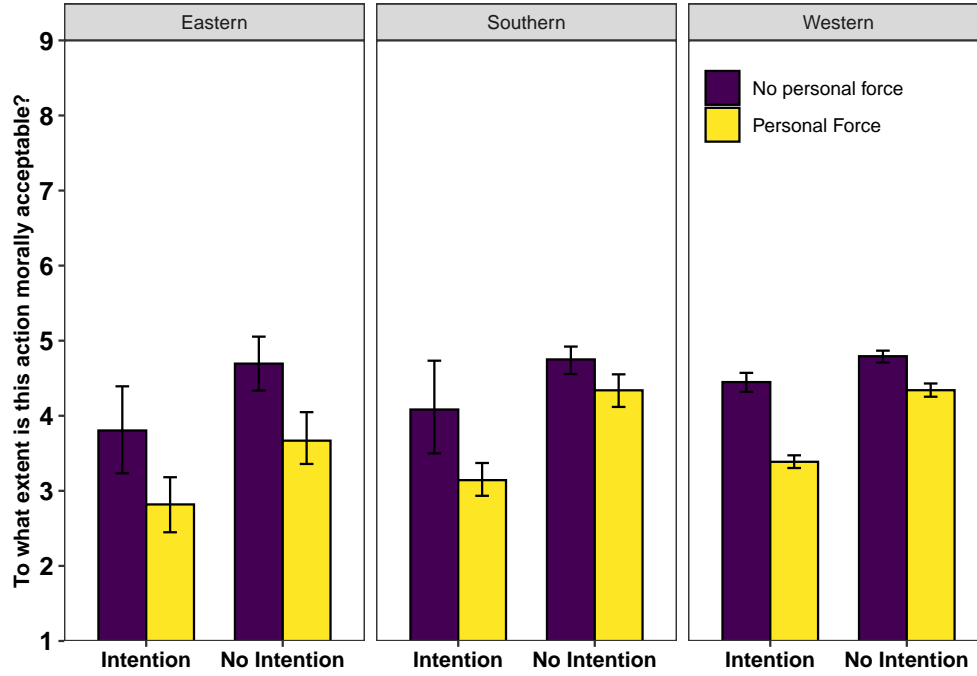


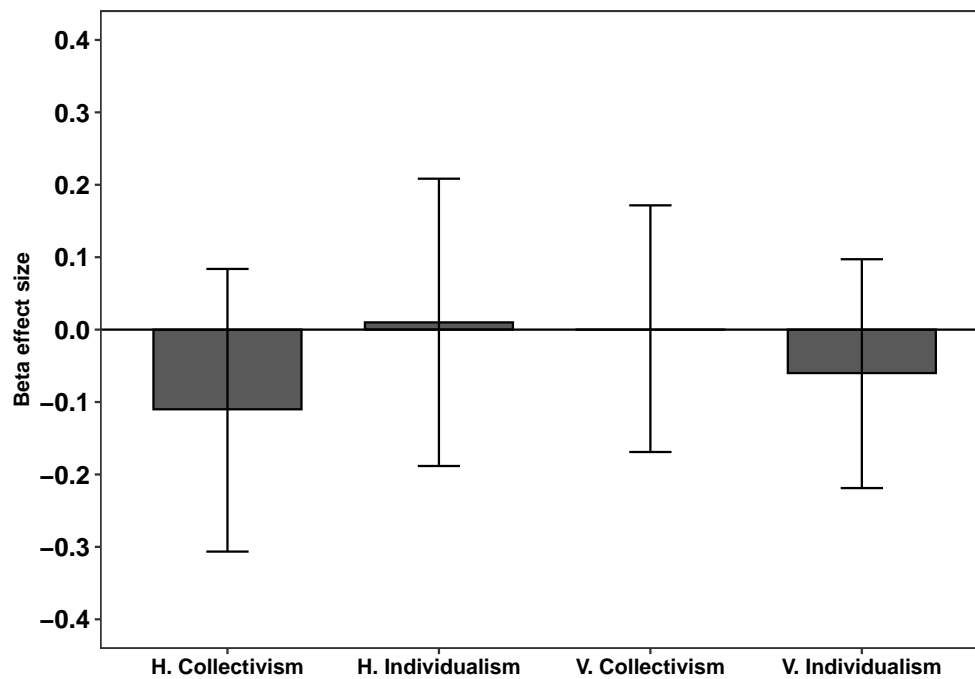
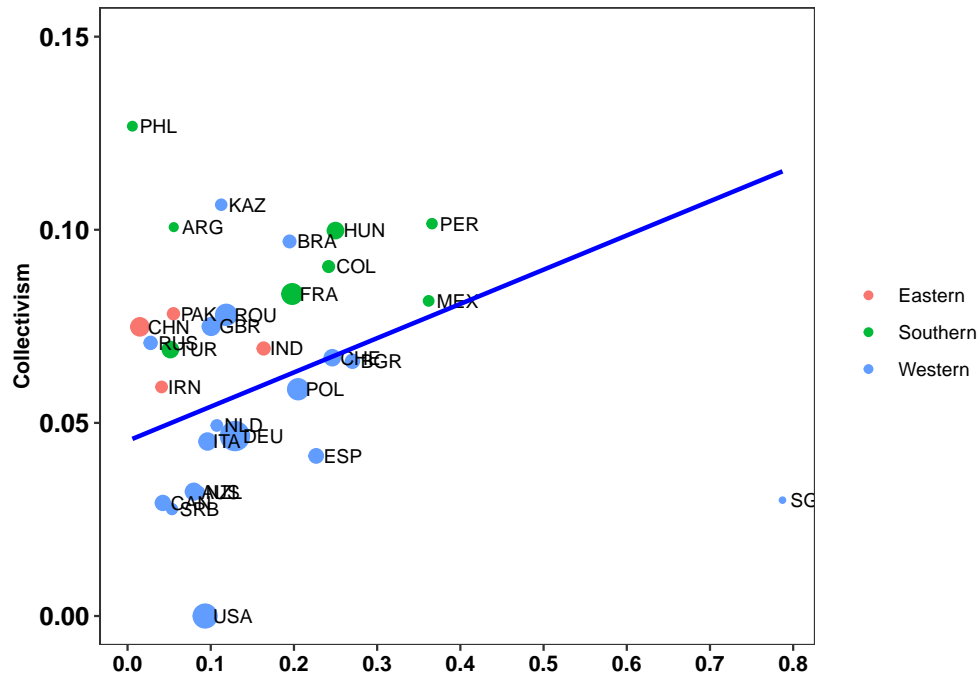
Figure 8: Results on the Speedboat dilemmas in Study 2 when no exclusion criteria is applied. Error bars are 95% confidence intervals on the mean.

3. Individualism-collectivism analysis

With all exclusions

Is the interaction of personal force and intention affected by individualism/collectivism (Trolley)?

Variable	With familiarity exclusion			No familiarity exclusion		
	BF	b	p	BF	b	p
Country-level collectivism	1.06	-4.54	0.405	2.25	-5.08	0.096
H. Collectivism	1.60	-0.11	0.263	2.32	-0.11	0.096
H. Individualism	0.75	0.01	0.921	0.92	0.06	0.325
V. Collectivism	0.85	0.00	0.988	0.71	-0.03	0.538
V. Individualism	0.70	-0.06	0.451	0.44	-0.03	0.607



Is the interaction of personal force and intention affected by individualism/collectivism (Speedboat)?

Variable	With familiarity exclusion			No familiarity exclusion		
	BF	b	p	BF	b	p
Country-level collectivism	0.69	2.66	0.631	0.07	-1.27	0.684
H. Collectivism	3.16	-0.17	0.114	0.88	-0.06	0.396
H. Individualism	1.10	-0.06	0.611	0.70	0.01	0.852
V. Collectivism	1.46	0.10	0.311	0.99	0.05	0.357
V. Individualism	0.66	-0.01	0.952	0.55	0.03	0.590

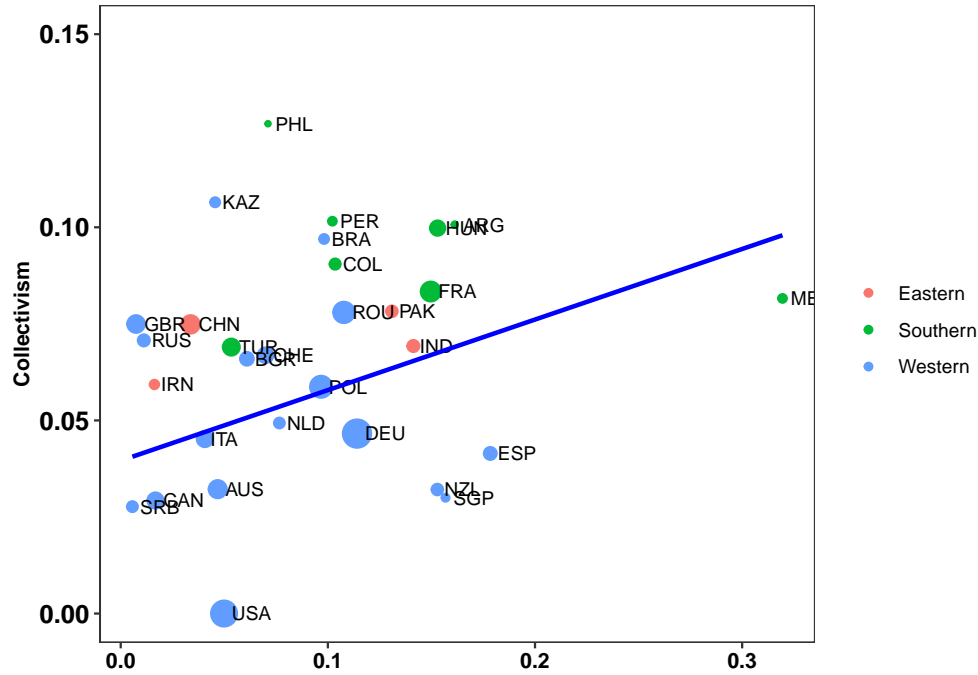


Figure 11: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas

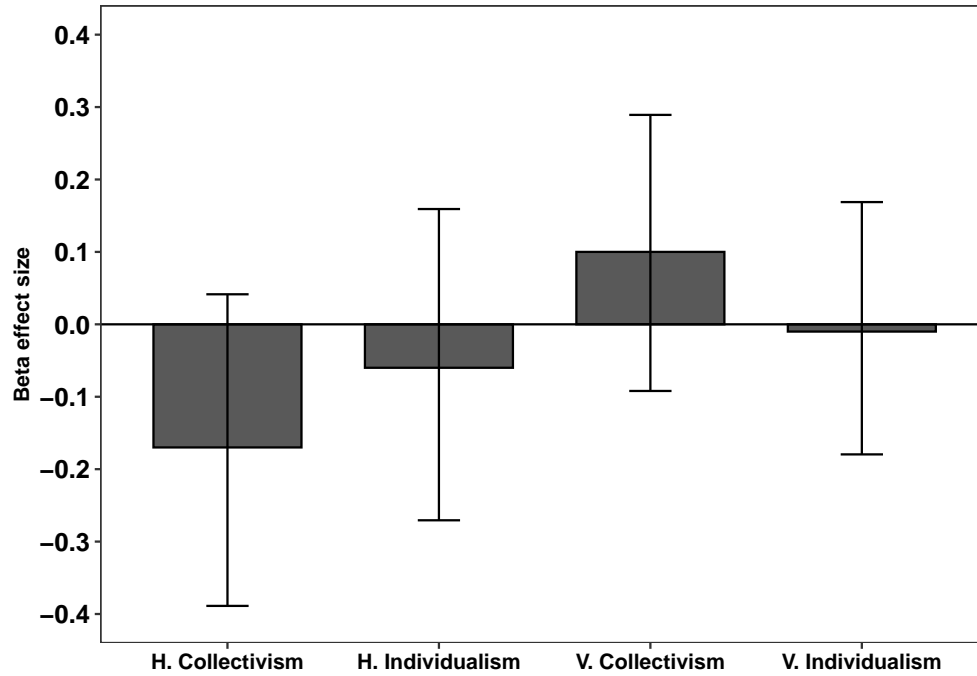


Figure 12: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas)

Including familiar participants

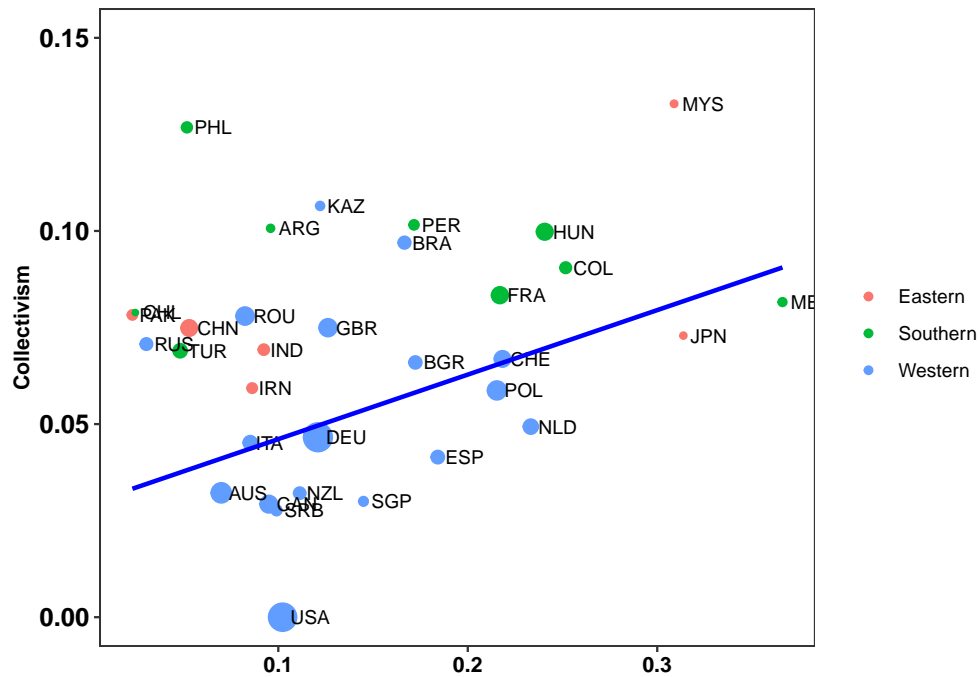


Figure 13: Correlation between country-level individualism/collectivism and the effect of personal force in Eta squared on the Trolley dilemmas

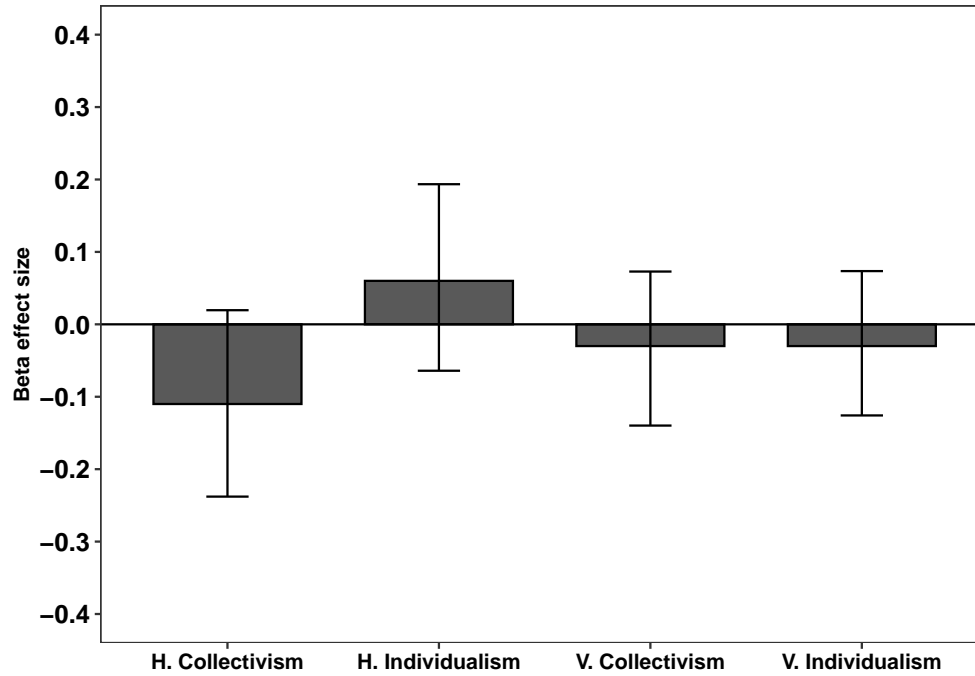


Figure 14: Personal level individualism/collectivism effects on the interaction of personal force and intention (trolley dilemmas)

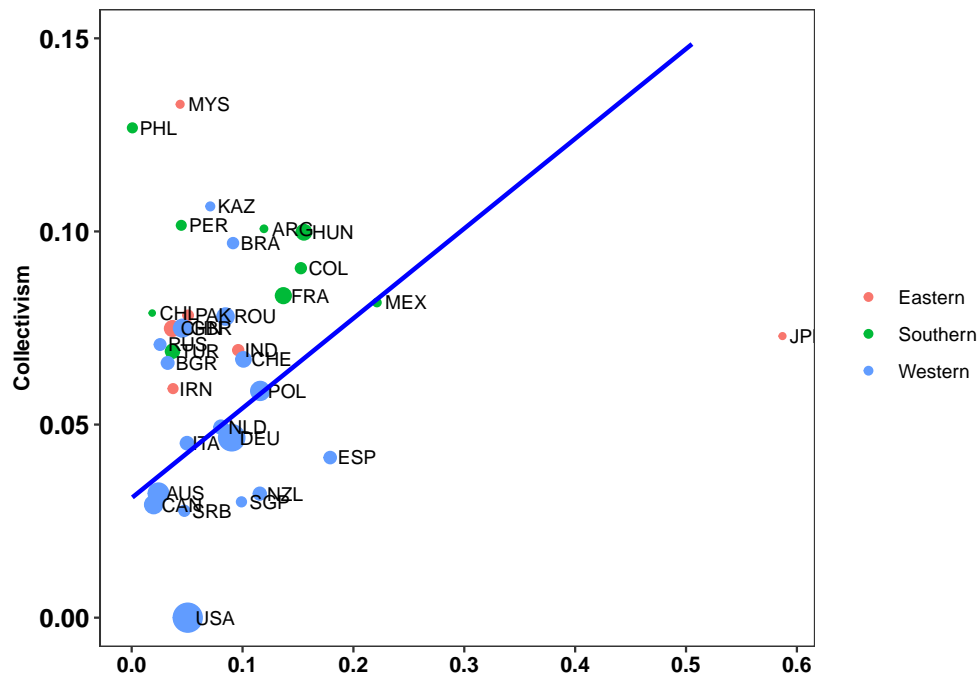


Figure 15: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas

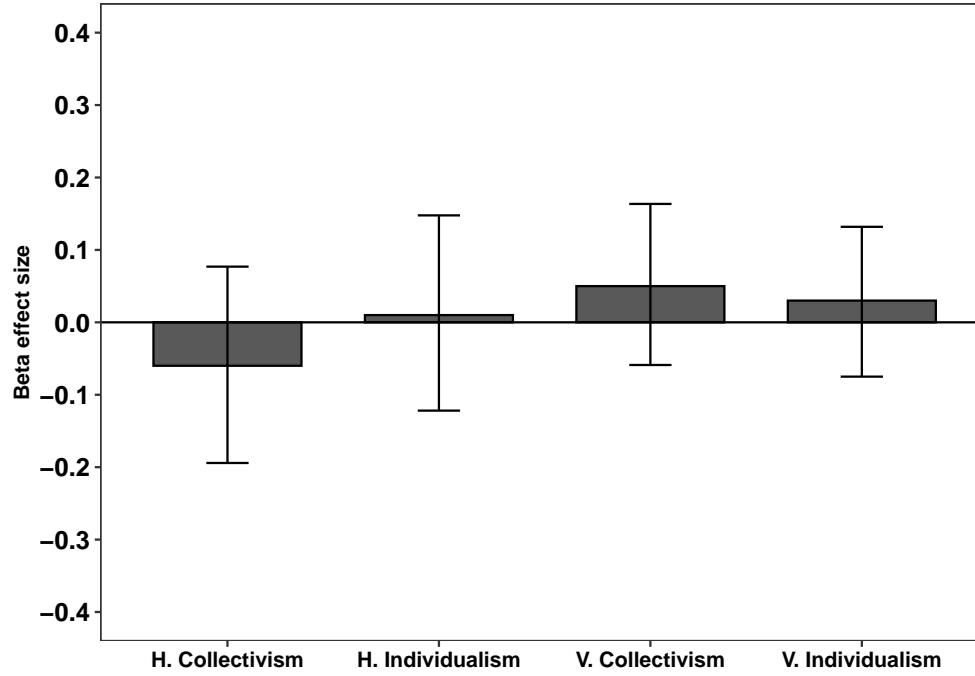


Figure 16: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas)

3. No exclusion analysis

Study 1a and 1b

The effect of personal force on moral dilemma judgements (no exclusion)

Dilemma	Cluster	BF	t	df	p	Cohen's d
Trolley	Eastern	7.17e+13	-8.34	1783.67	<.001	-0.39
	Southern	6.11e+22	-10.61	2504.19	<.001	-0.42
	Western	2.97e+18	-9.55	3397.97	<.001	-0.33
Speedboat	Eastern	5.28e+08	-6.69	1789.34	<.001	-0.31
	Southern	8.83e+16	-9.18	2503.63	<.001	-0.37
	Western	5.69e+16	-9.12	3401.62	<.001	-0.31

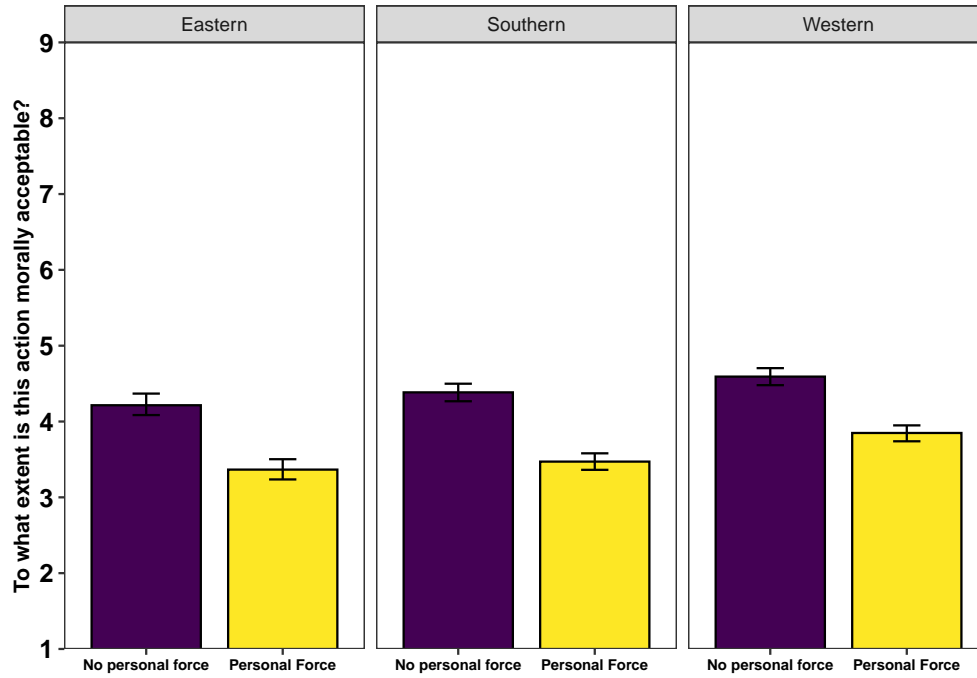


Figure 17: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied. Black full circles indicate group level means.

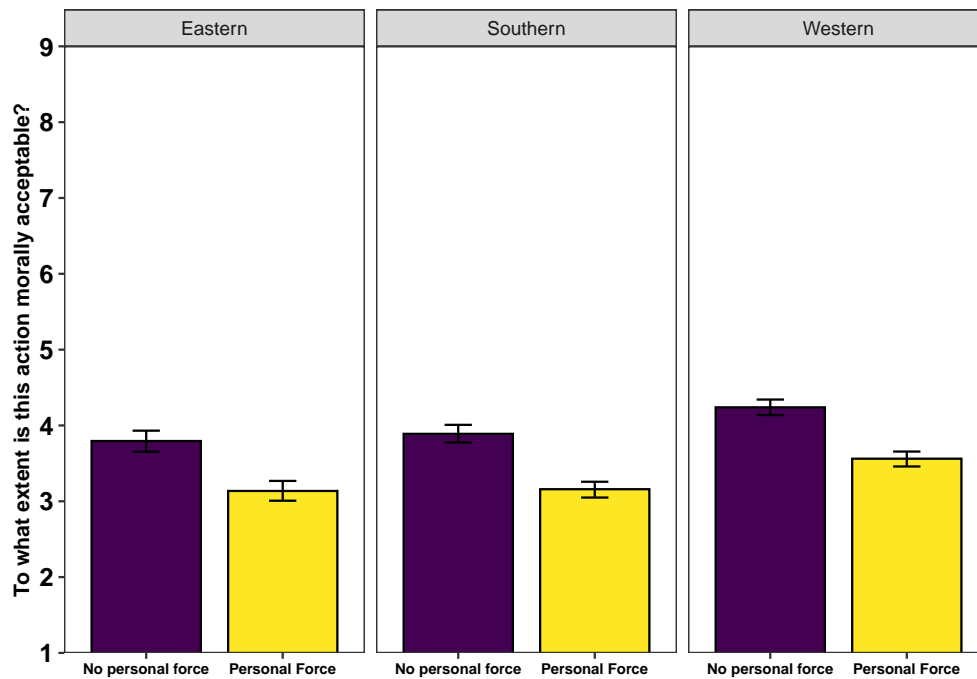


Figure 18: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied. Black full circles indicate group level means.

Study 2a and 2b

The interaction of personal force and intention on moral dilemma judgements (no exclusions)

Dilemma	Cluster	BF	F	df	p	Partial η^2	Raw effect
Trolley	Eastern	1.87e+03	18.430	1, 2052	<.001	0.009	-0.89
	Southern	3.33e+16	83.791	1, 2802	<.001	0.029	-1.50
	Western	2.17e+58	278.475	1, 14474	<.001	0.019	-1.15
Speedboat	Eastern	3.72e-01	0.001	1, 2052	0.979	0.000	-0.01
	Southern	1.1e+00	2.766	1, 2802	0.096	0.001	-0.26
	Western	2.05e+01	10.405	1, 14474	0.001	0.001	-0.22

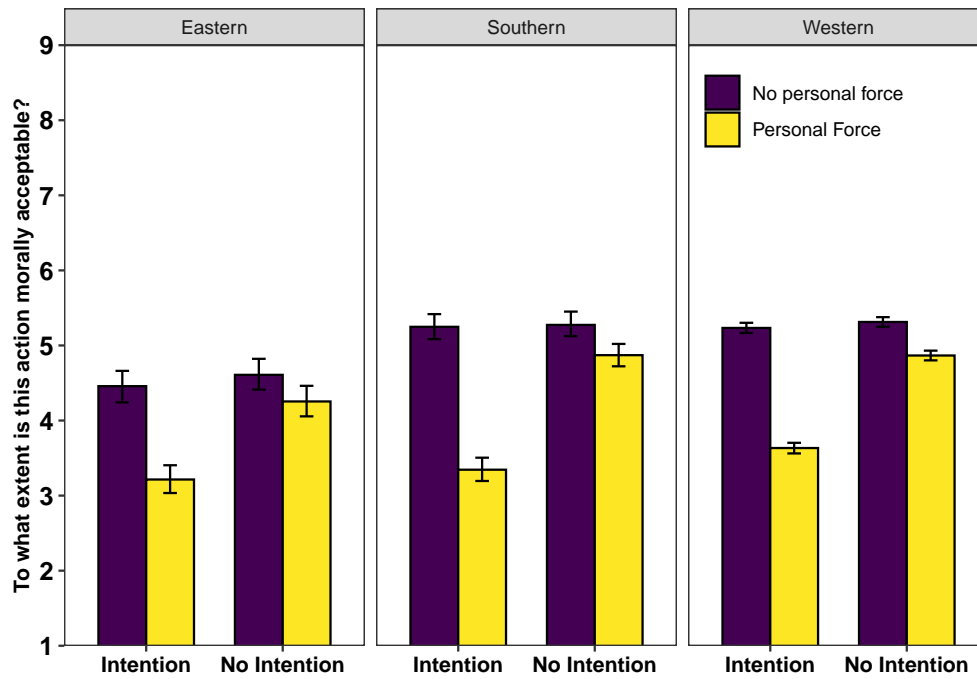


Figure 19: Results on Trolley dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

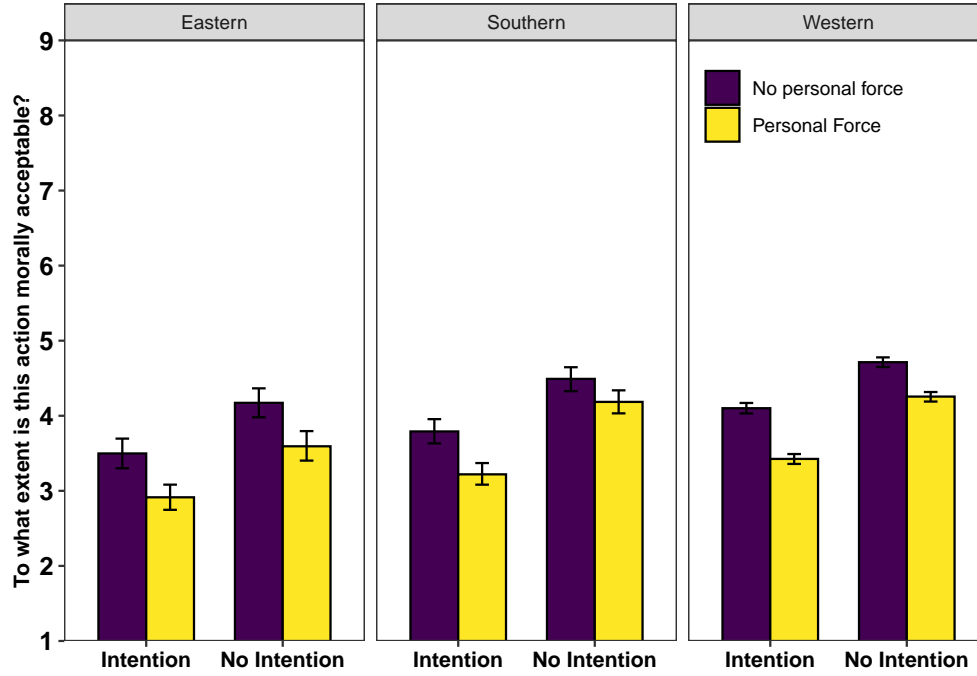


Figure 20: Results on the Speedboat dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

Individualism-collectivism analysis

Is the interaction of personal force and intention affected by individualism/collectivism?

Variable	Trolley			Speedboat		
	BF	b	p	BF	b	p
Country-level collectivism	1.25	-3.99	0.055	3.35	4.70	0.019
H. Collectivism	9.49	-0.11	0.013	0.54	-0.03	0.491
H. Individualism	3.14	-0.09	0.042	0.47	-0.01	0.733
V. Collectivism	0.54	-0.02	0.516	0.44	0.01	0.874
V. Individualism	0.32	0.00	0.929	0.34	0.00	0.920

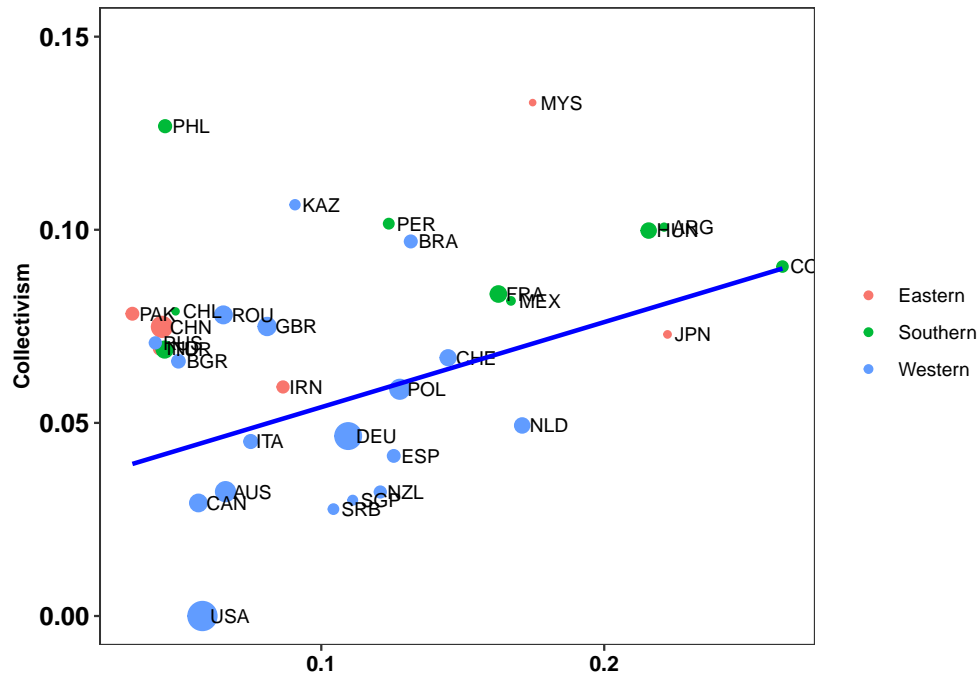


Figure 21: Correlation between country-level individualism/collectivism and the effect of personal force in Eta squared on the Trolley dilemmas

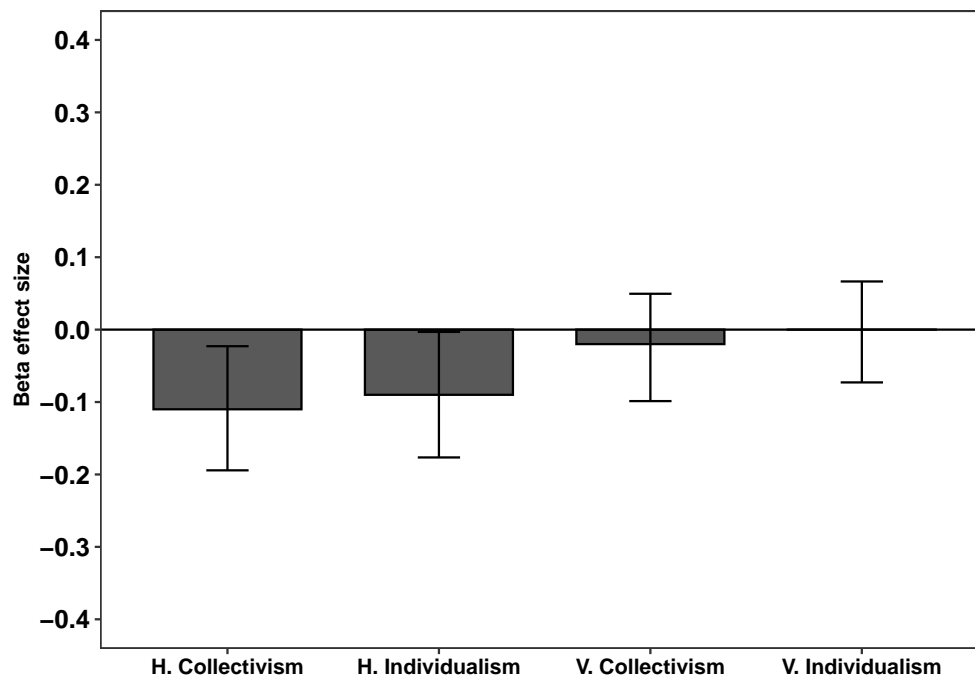


Figure 22: Personal level individualism/collectivism effects on the interaction of personal force and intention (trolley dilemmas)

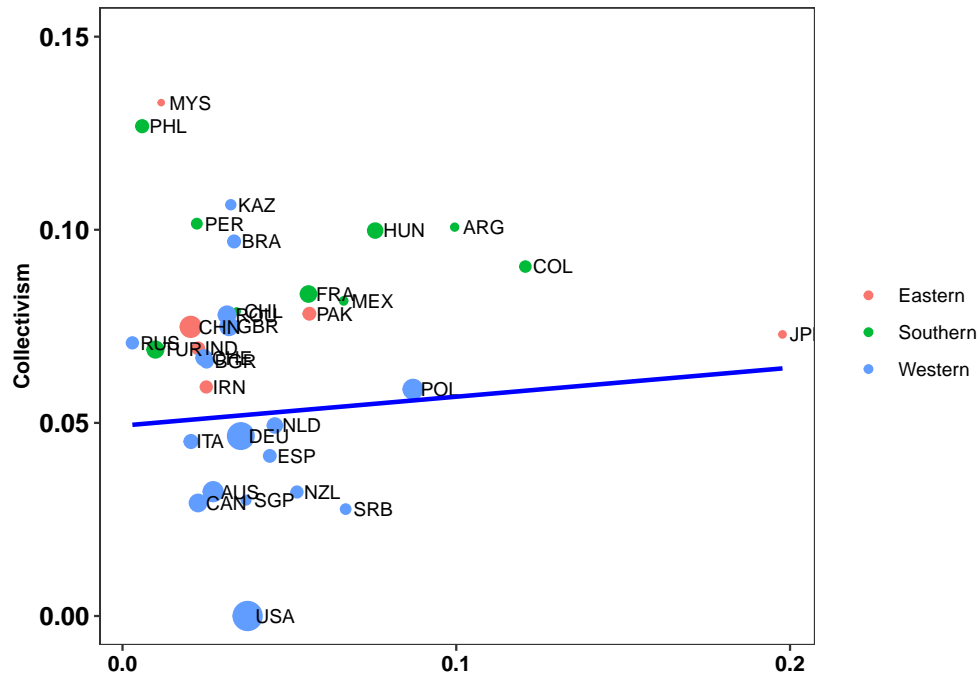


Figure 23: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas

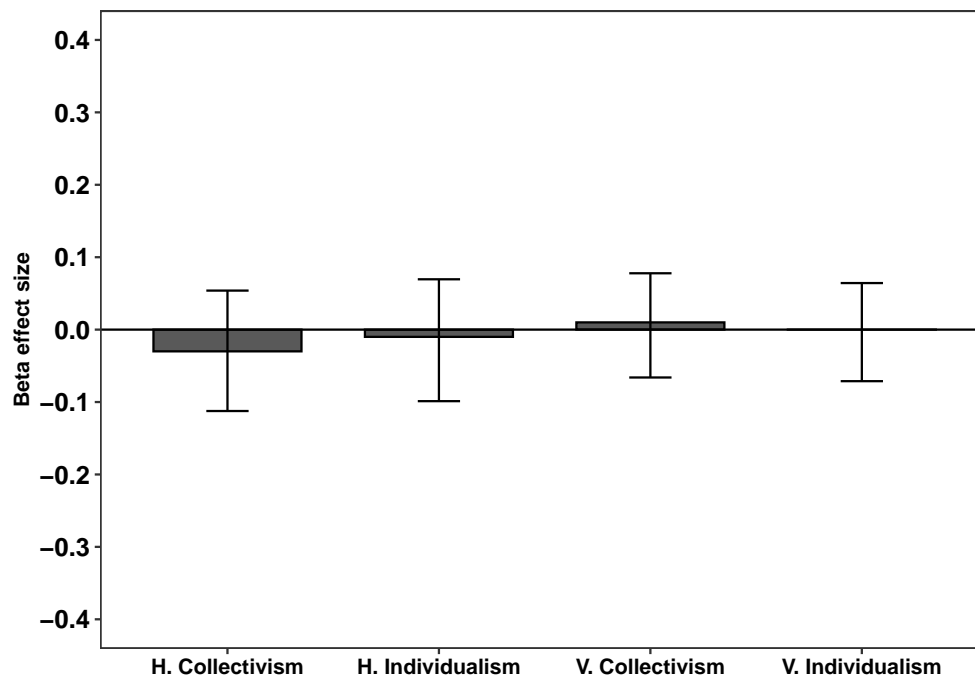


Figure 24: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas)

Eastern
China, India, Iran, Japan, Lebanon, Malaysia, North Macedonia, Pakistan, Thailand, United Arab Emirates Argentina,

Table 1

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