

## 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 with moral dilemmas	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

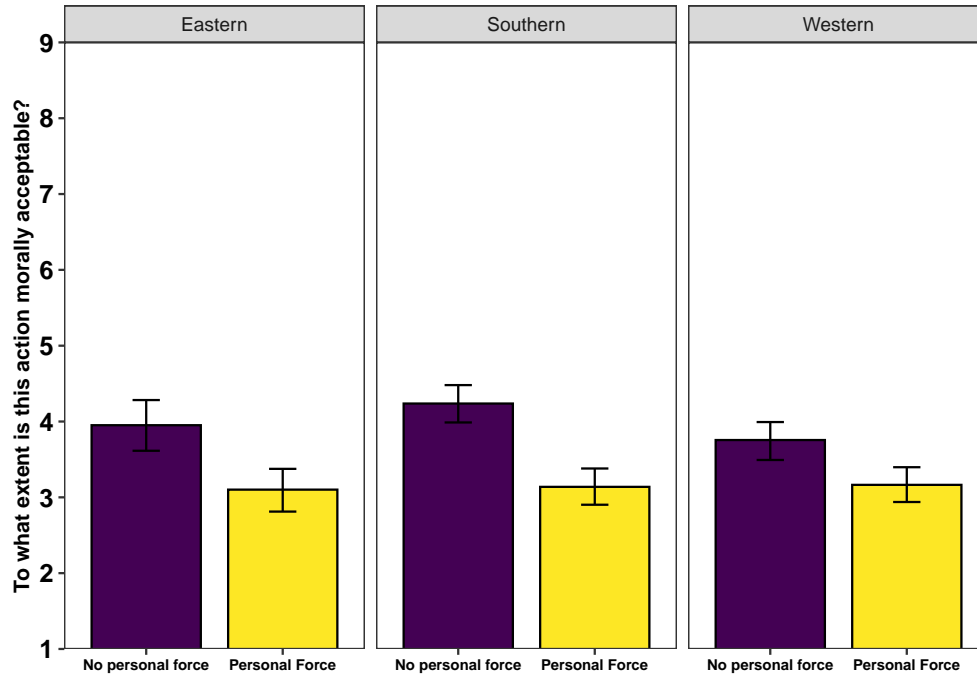


Figure 1: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied.

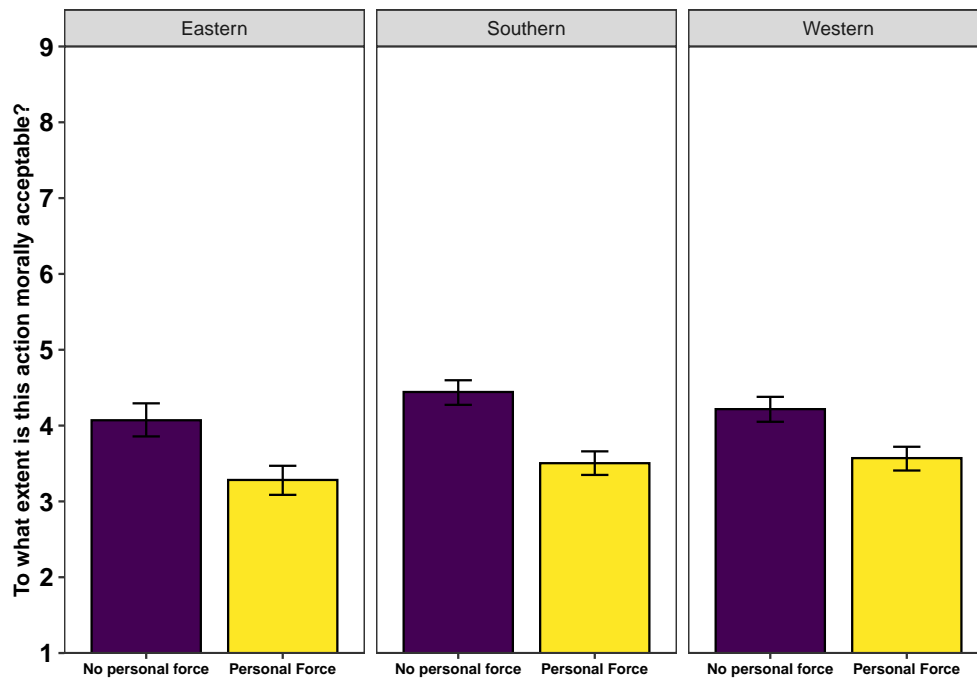


Figure 2: Results on Trolley dilemmas in Study 1 with including familiar participants

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

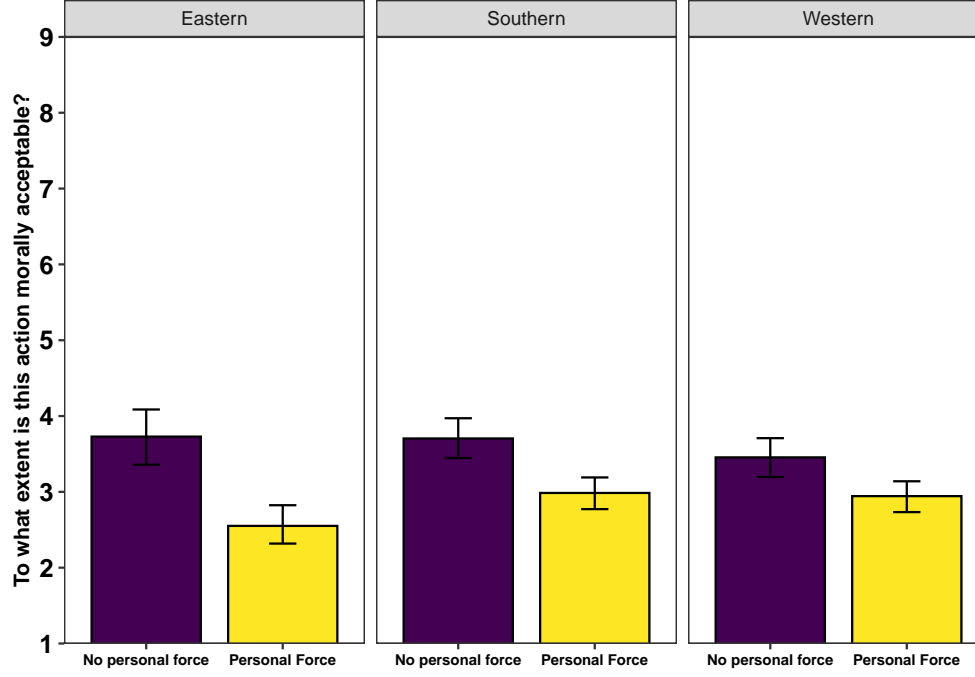


Figure 3: Results on Trolley dilemmas in Study 1 with all exclusion criteria applied.

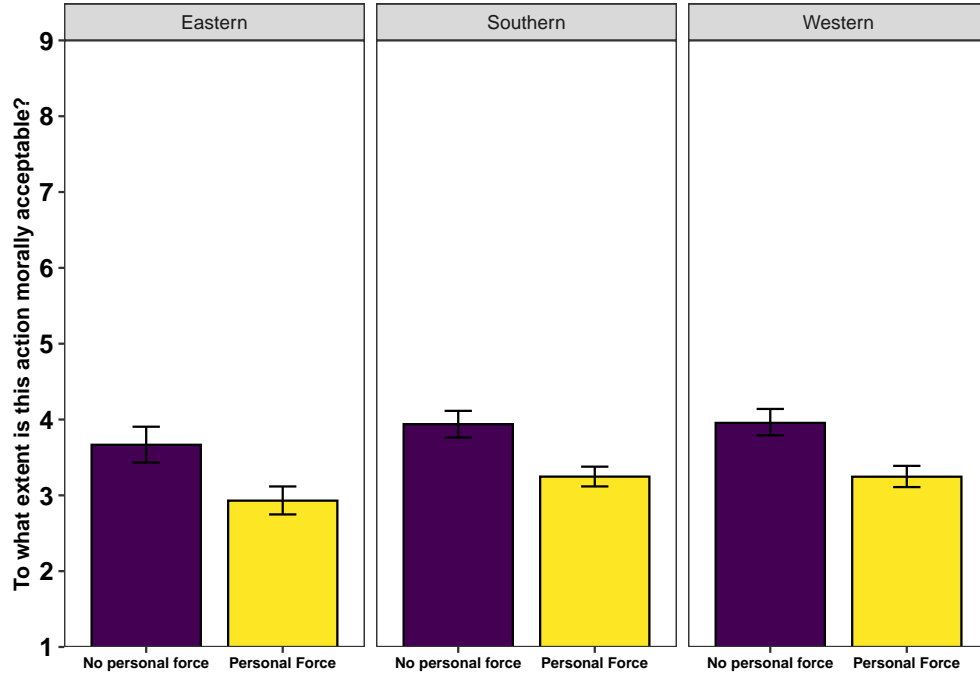


Figure 4: Results on Speedboat dilemmas in Study 1 with including familiar participants.

## Study 2a and 2b

Do personal force interact with intention on Trolley dilemmas?

Exclusion	Cluster	BF	RR	F	df	p	Partial $\eta^2$	Raw effect
Exclusion	Eastern	6.01e-01	0.03, 0.64	0.041	1, 319	0.84	0.000	0.11
	Southern	9.07e+00	0.03, 0.2	9.455	1, 686	0.002	0.014	-1.00
	Western	1.46e+11	6.00e-05, 1.80e+03	58.035	1, 2967	<.001	0.019	-1.23
Include familiar	Eastern	2.79e+00	2.50e-02, 0.91	4.702	1, 588	0.031	0.008	-0.85
	Southern	3.08e+06	8.00e-05, 1.70e+03	36.642	1, 1373	<.001	0.026	-1.39
	Western	1.26e+30	<1.00e-05, 2.30e+14	146.955	1, 7871	<.001	0.018	-1.17

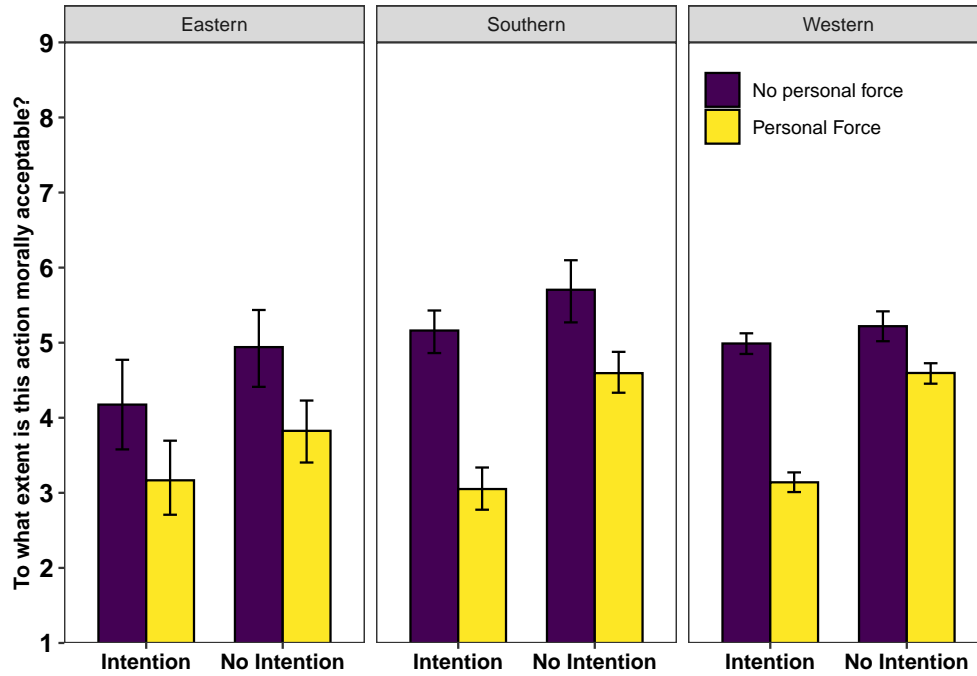


Figure 5: Results on Trolley dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

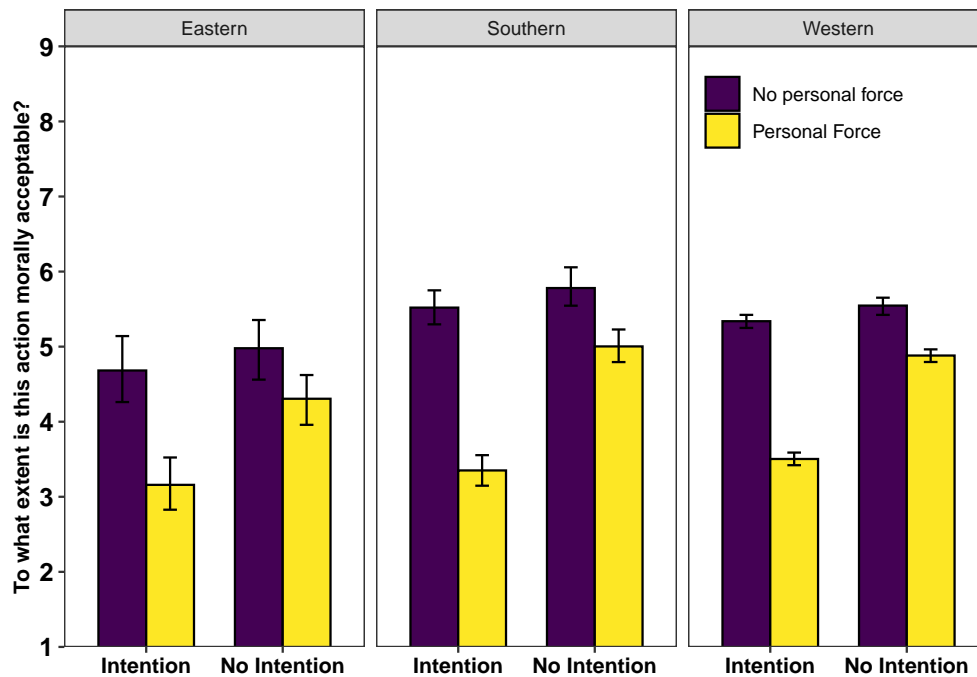


Figure 6: Results on Trolley dilemmas in Study 2 while not applying familiarity exclusion. Error bars are 95% confidence intervals on the mean.

Do personal force interact with intention on Speedboat dilemmas?

Exclusion	Cluster	BF	RR	F	df	p	Partial $\eta^2$	Raw effect
Exclusion	Eastern	4.20e-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	2.19e+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	1.12e+00	2.50e-02, 0.95	2.758	1, 1127	0.097	0.002	-0.53
	Western	5.11e+07	1.40e-02, 1.30	40.396	1, 7350	<.001	0.005	-0.61

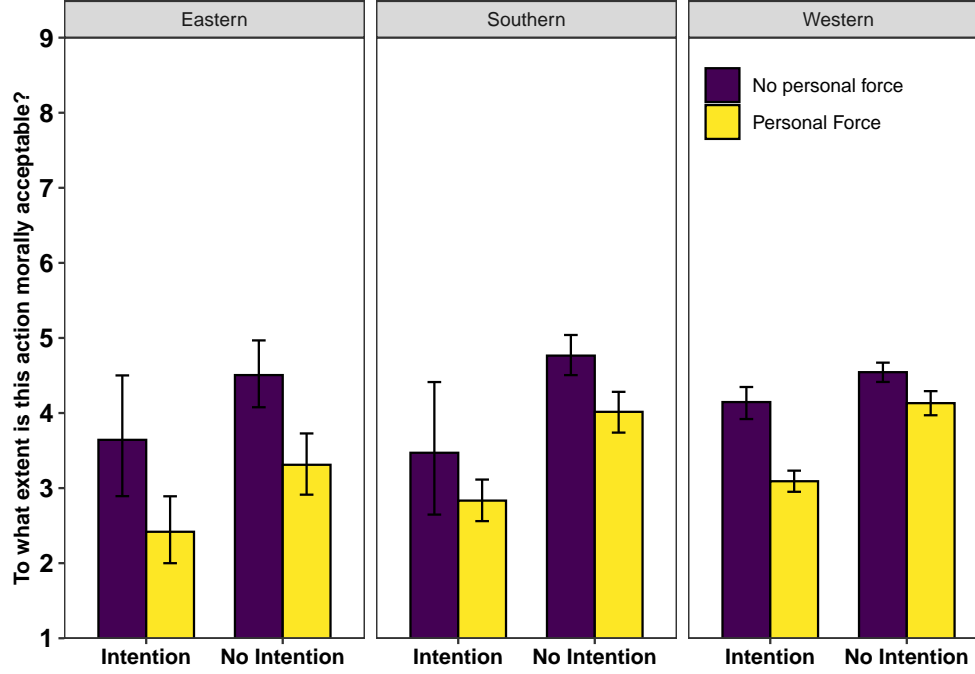


Figure 7: Results on the Speedboat dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

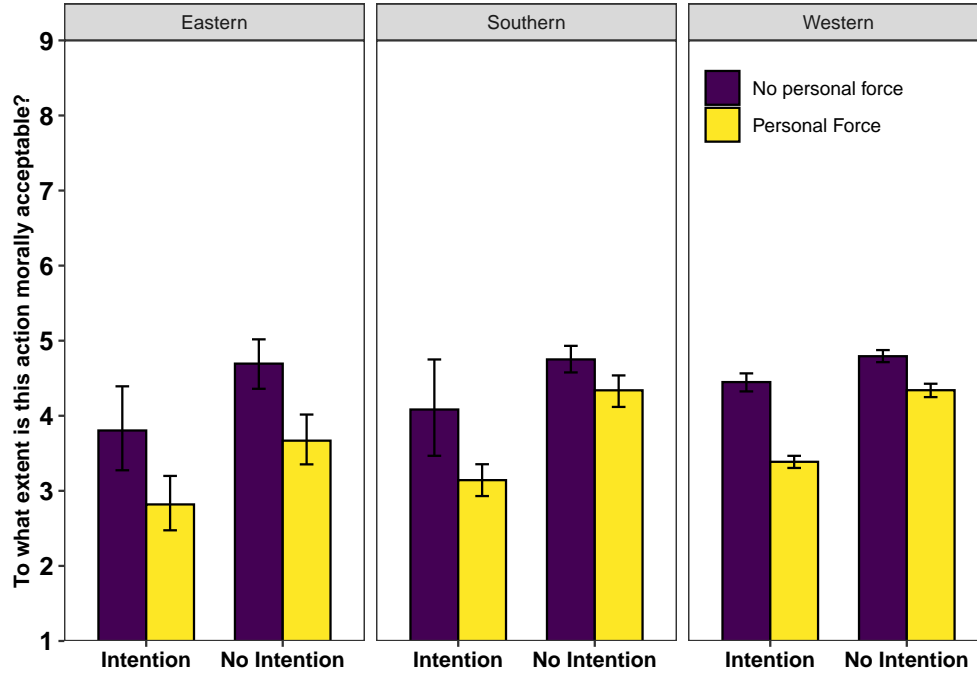


Figure 8: Results on the Speedboat dilemmas in Study 2, not applying familiarity exclusion. Error bars are 95% confidence intervals on the mean.

### 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	0.82	-4.54	0.405	2.34	-5.08	0.096
H. Collectivism	1.61	-0.11	0.263	2.30	-0.11	0.096
H. Individualism	0.74	0.01	0.921	0.93	0.06	0.325
V. Collectivism	0.88	0.00	0.988	0.75	-0.03	0.538
V. Individualism	0.75	-0.06	0.451	0.46	-0.03	0.607

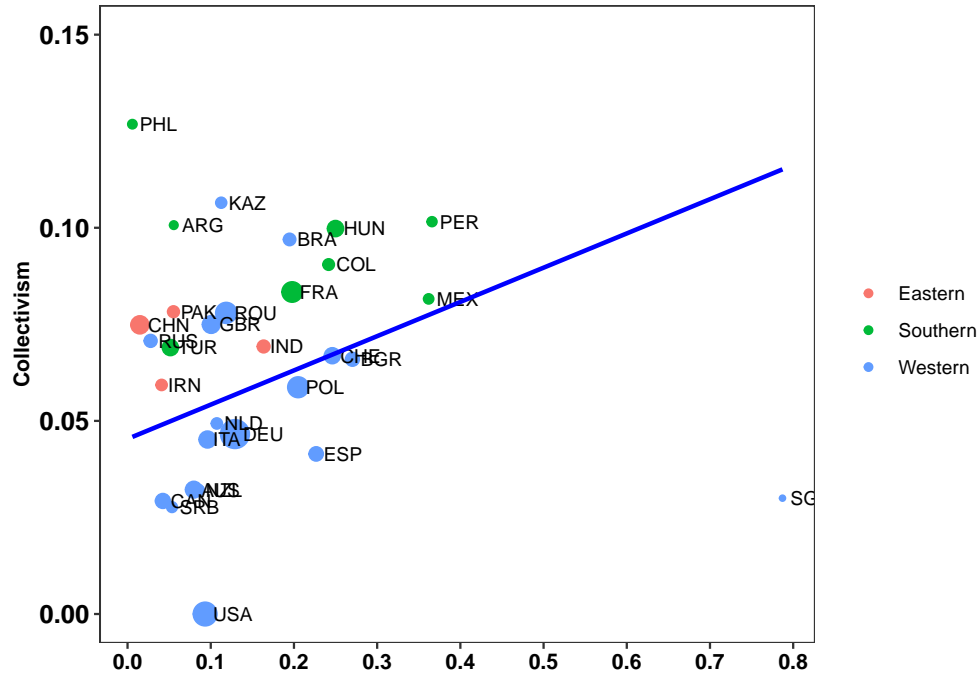


Figure 9: Correlation between country-level individualism/collectivism and the effect of personal force in Trolley dilemmas (all exclusions applied)

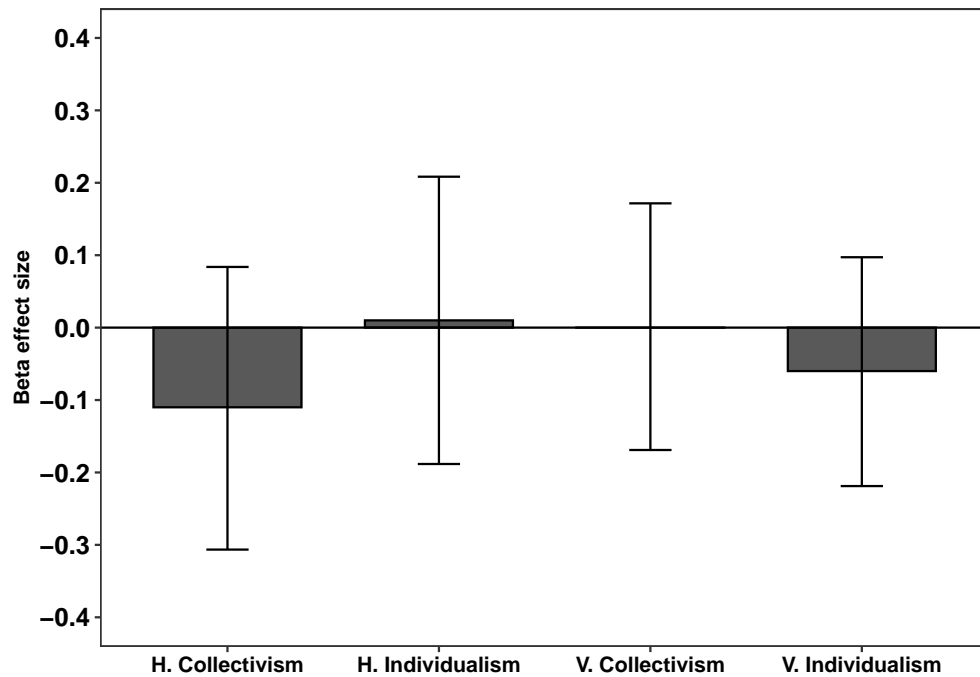


Figure 10: Personal level individualism/collectivism effects on the interaction of personal force and intention (Trolley dilemmas, all exclusions applied)



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	0.65	2.66	0.631	0.24	-1.27	0.684
H. Collectivism	2.93	-0.17	0.114	0.88	-0.06	0.396
H. Individualism	1.08	-0.06	0.611	0.66	0.01	0.852
V. Collectivism	1.59	0.10	0.311	0.94	0.05	0.357
V. Individualism	0.71	-0.01	0.952	0.57	0.03	0.590

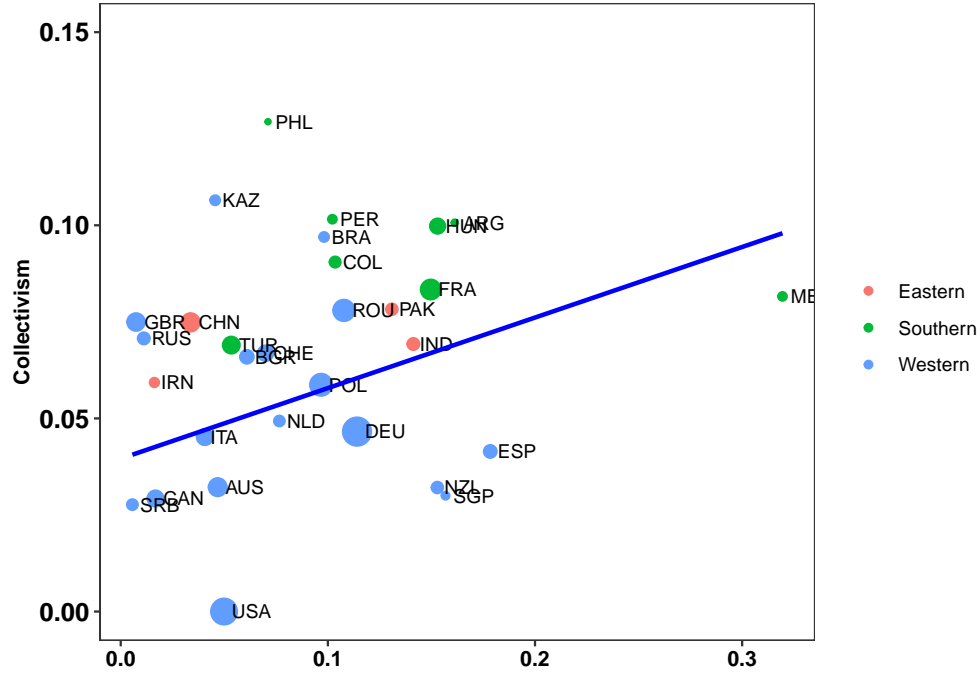


Figure 11: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas (all exclusions applied)

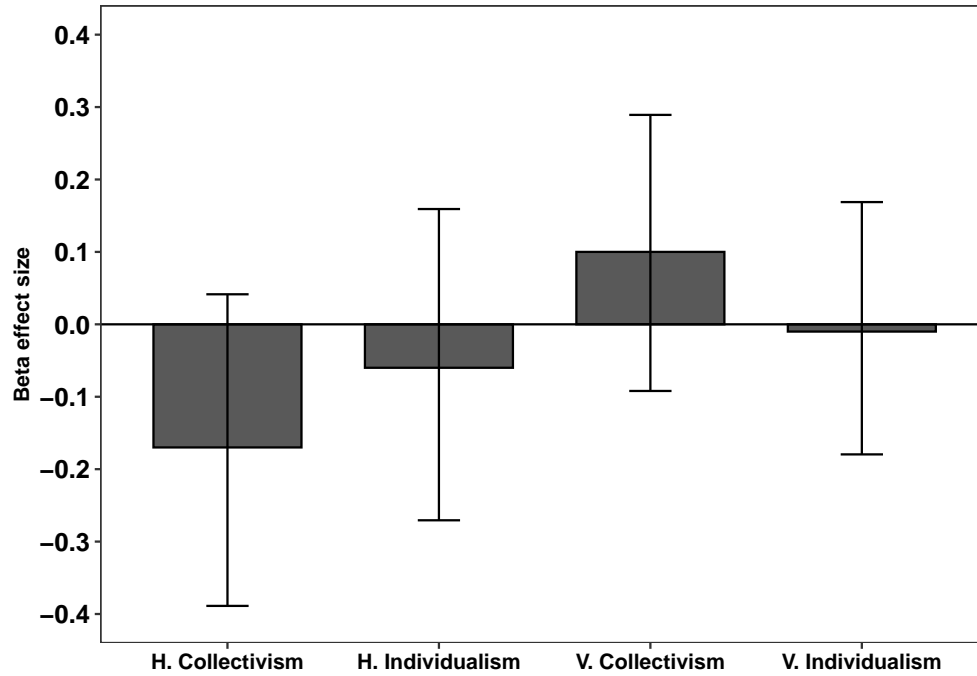


Figure 12: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas, all exclusions applied)

### Including familiar participants

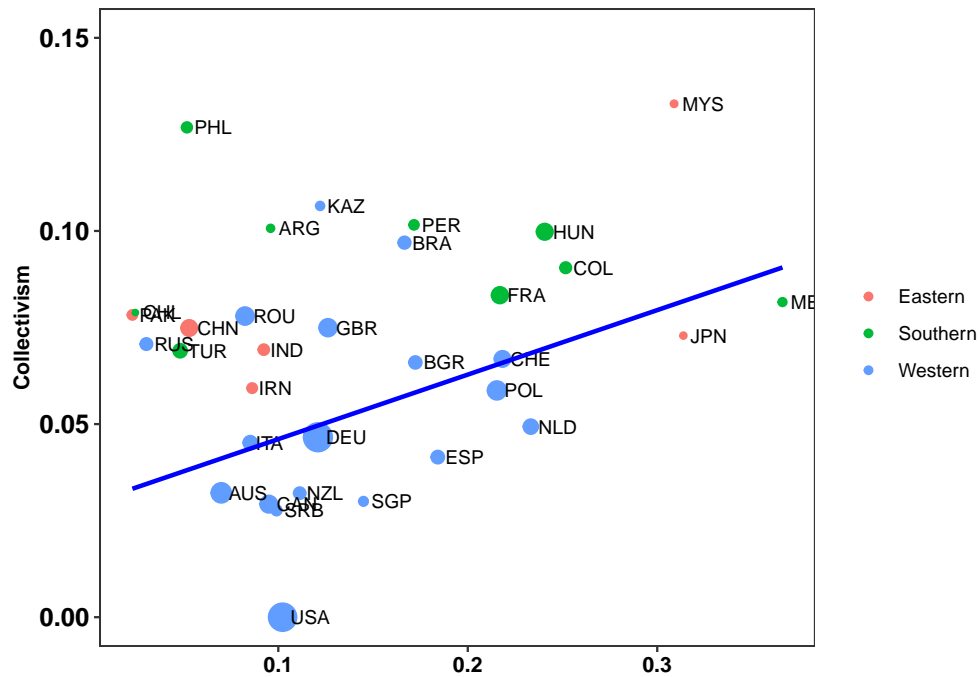


Figure 13: Correlation between country-level individualism/collectivism and the effect of personal force in Eta squared on the Trolley dilemmas (familiarity exclusion not applied)

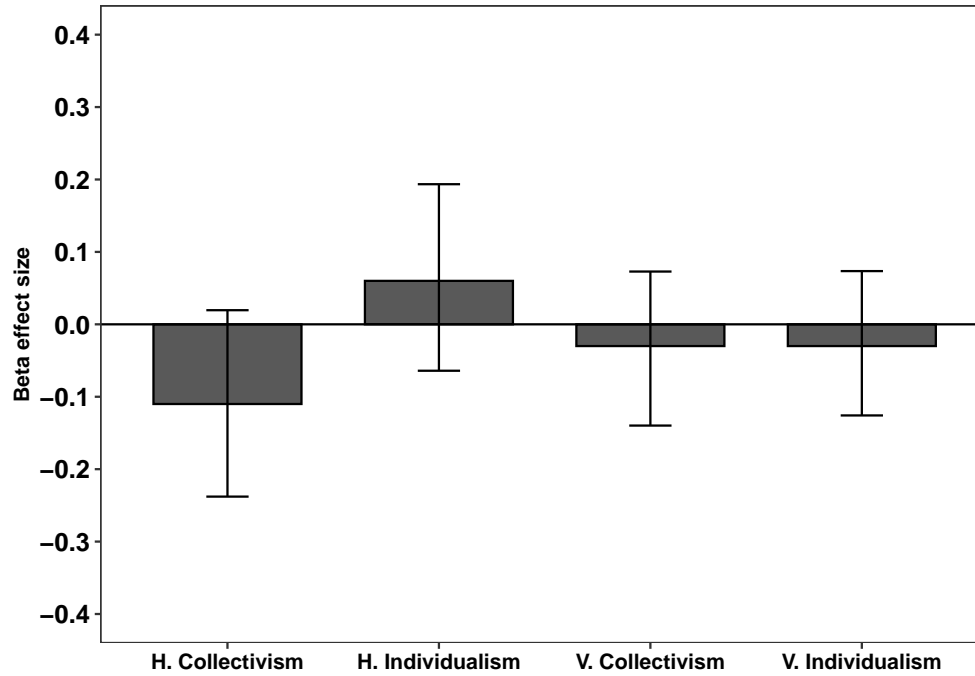


Figure 14: Personal level individualism/collectivism effects on the interaction of personal force and intention (trolley dilemmas, familiarity exclusion not applied)

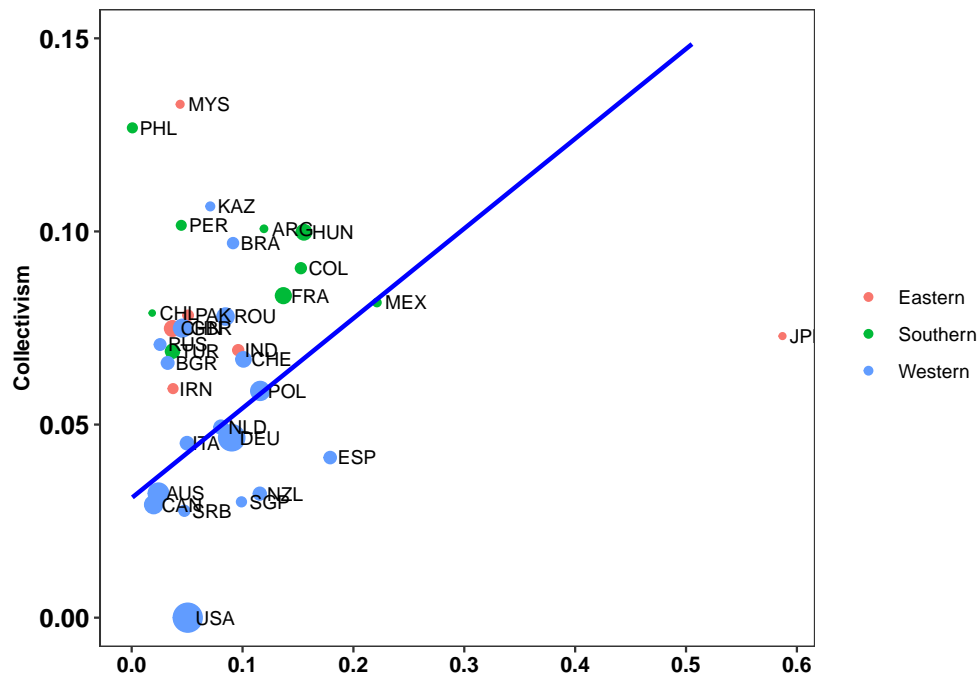


Figure 15: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas (familiarity exclusion not applied)

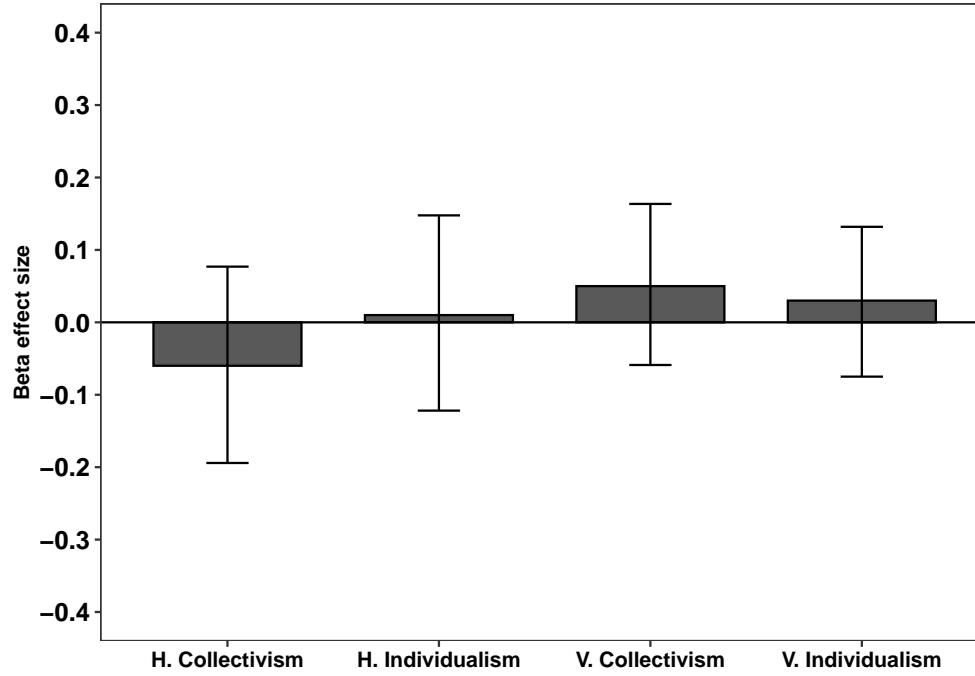


Figure 16: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas, familiarity exclusion not applied)

### 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

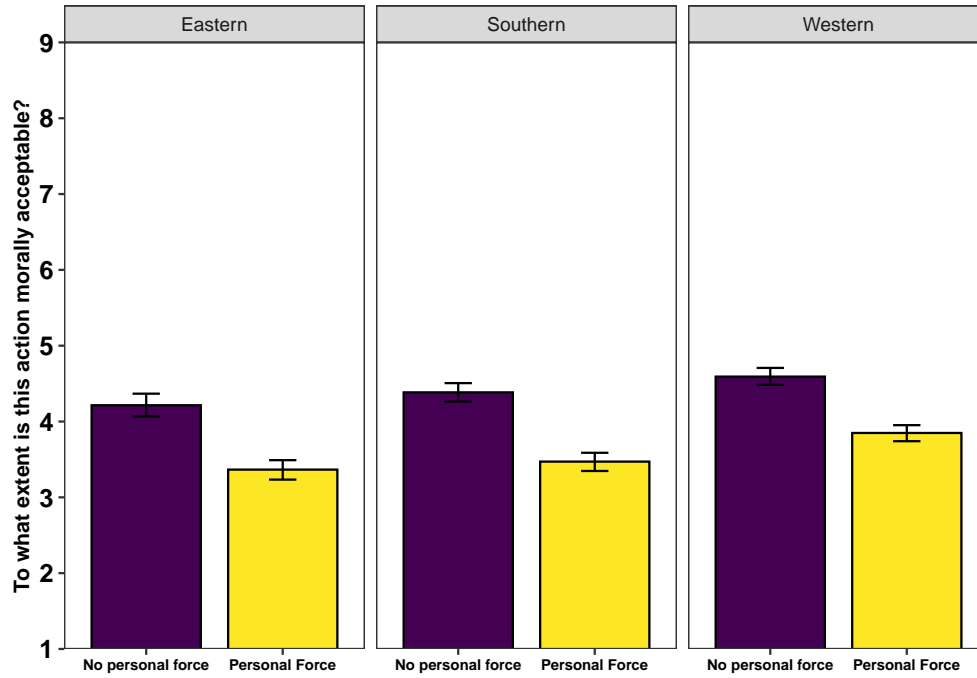


Figure 17: Results on Trolley dilemmas in Study 1 with no exclusion criteria applied

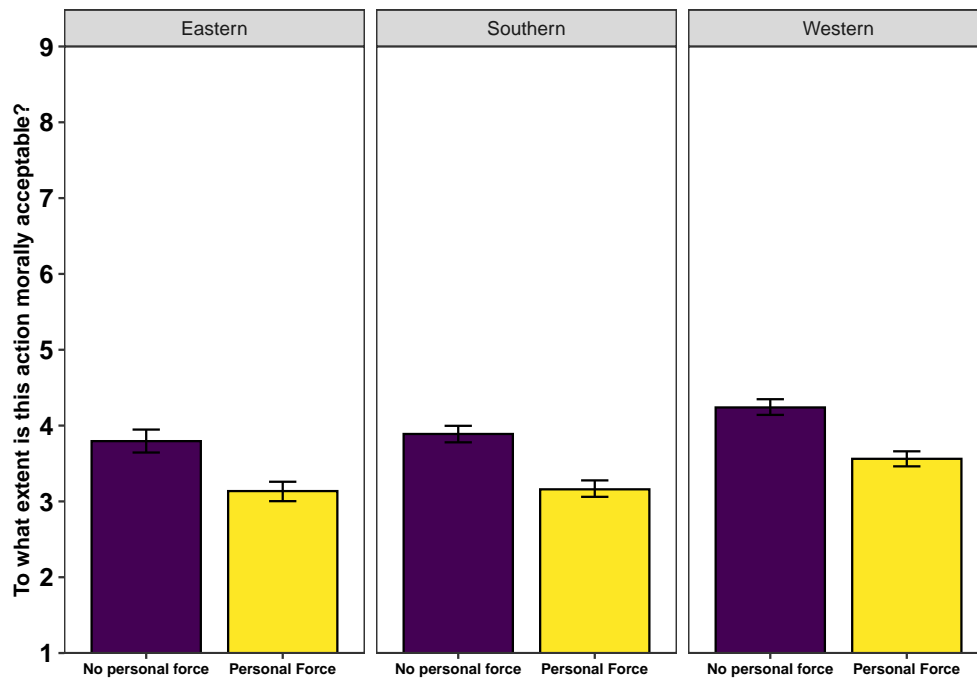


Figure 18: Results on Speedboat dilemmas in Study 1 with no exclusion criteria applied.

## Study 2a and 2b

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

Dilemma	Cluster	BF	F	df	p	Partial $\eta^2$	Raw effect
Trolley	Eastern	1.76e+03	18.430	1, 2052	<.001	0.009	-0.89
	Southern	3.35e+16	83.791	1, 2802	<.001	0.029	-1.50
	Western	2.13e+58	278.475	1, 14474	<.001	0.019	-1.15
Speedboat	Eastern	3.65e-01	0.001	1, 2052	0.979	0.000	-0.01
	Southern	1.16e+00	2.766	1, 2802	0.096	0.001	-0.26
	Western	2.03e+01	10.405	1, 14474	0.001	0.001	-0.22

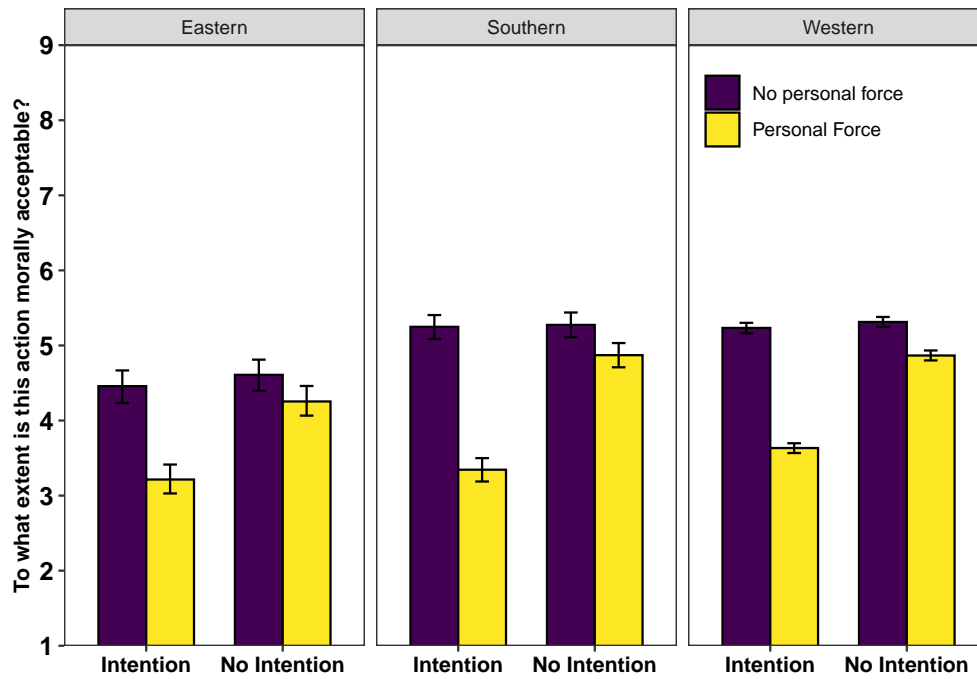


Figure 19: Results on Trolley dilemmas in Study 2 when no exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

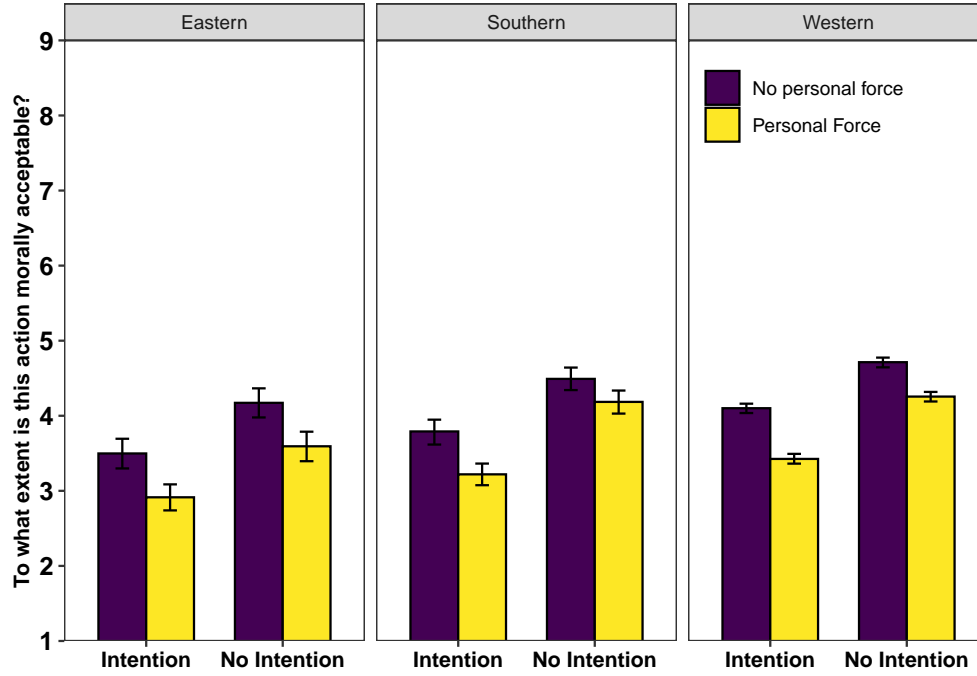


Figure 20: Results on the Speedboat dilemmas in Study 2 when no exclusion criteria are applied. Error bars are 95% confidence intervals on the mean.

## 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	2.18	-3.99	0.055	12.91	4.70	0.019
H. Collectivism	9.02	-0.11	0.013	0.62	-0.03	0.491
H. Individualism	3.35	-0.09	0.042	0.46	-0.01	0.733
V. Collectivism	0.57	-0.02	0.516	0.44	0.01	0.874
V. Individualism	0.30	0.00	0.929	0.33	0.00	0.920

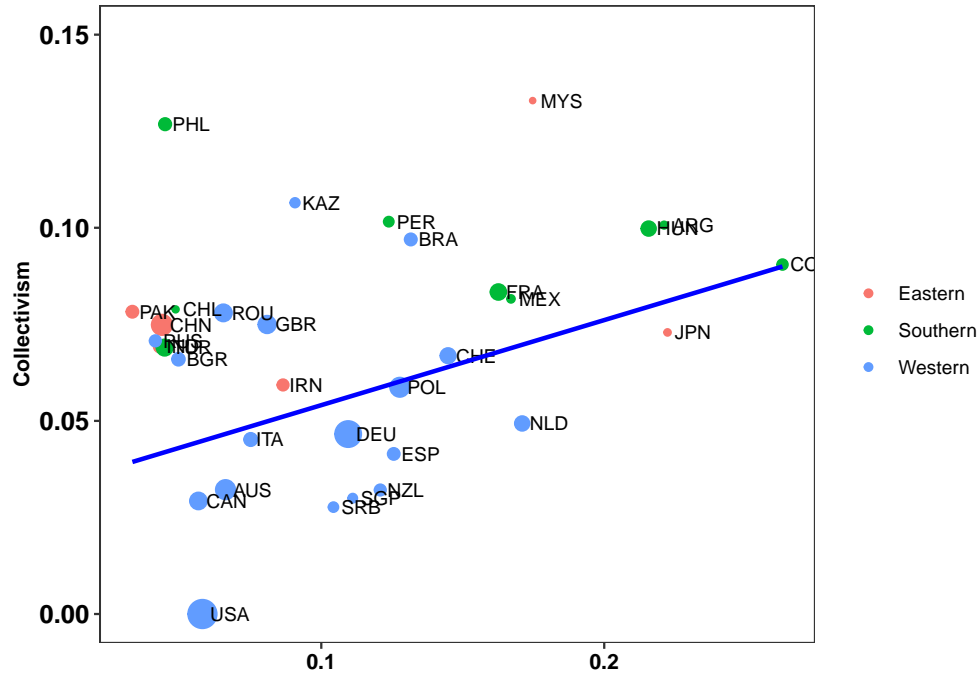


Figure 21: Correlation between country-level individualism/collectivism and the effect of personal force in Eta squared on the Trolley dilemmas (no exclusion)

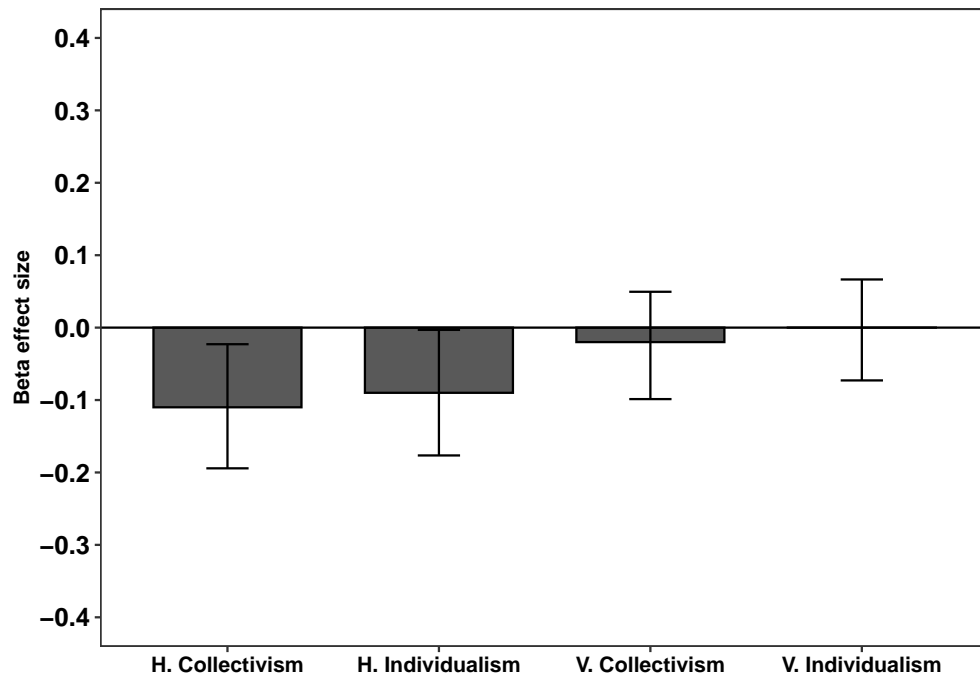


Figure 22: Personal level individualism/collectivism effects on the interaction of personal force and intention (trolley dilemma, no exclusions)



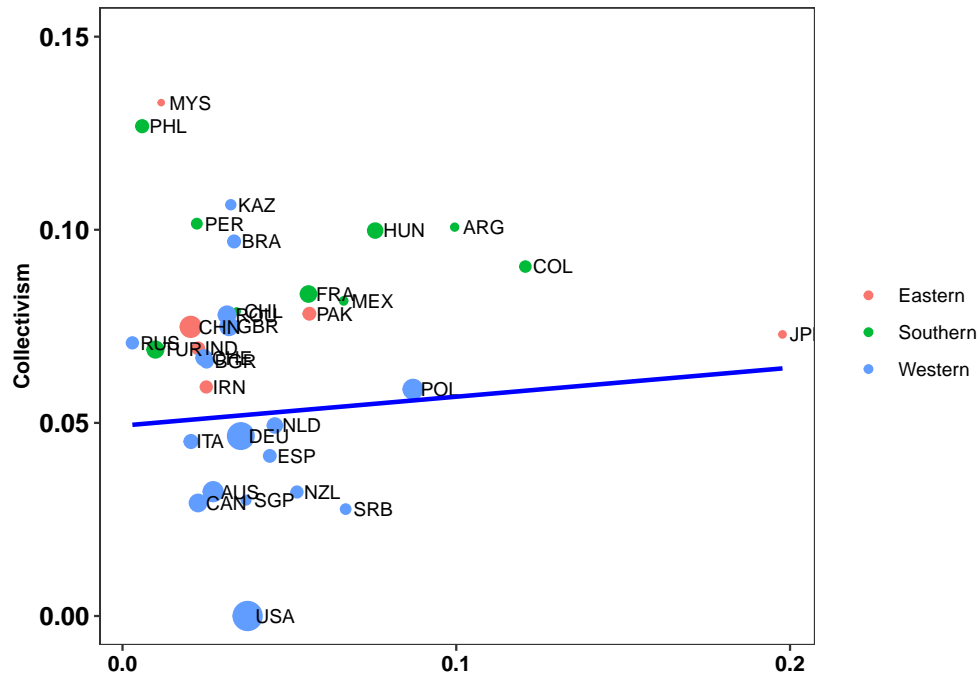


Figure 23: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas (no exclusions)

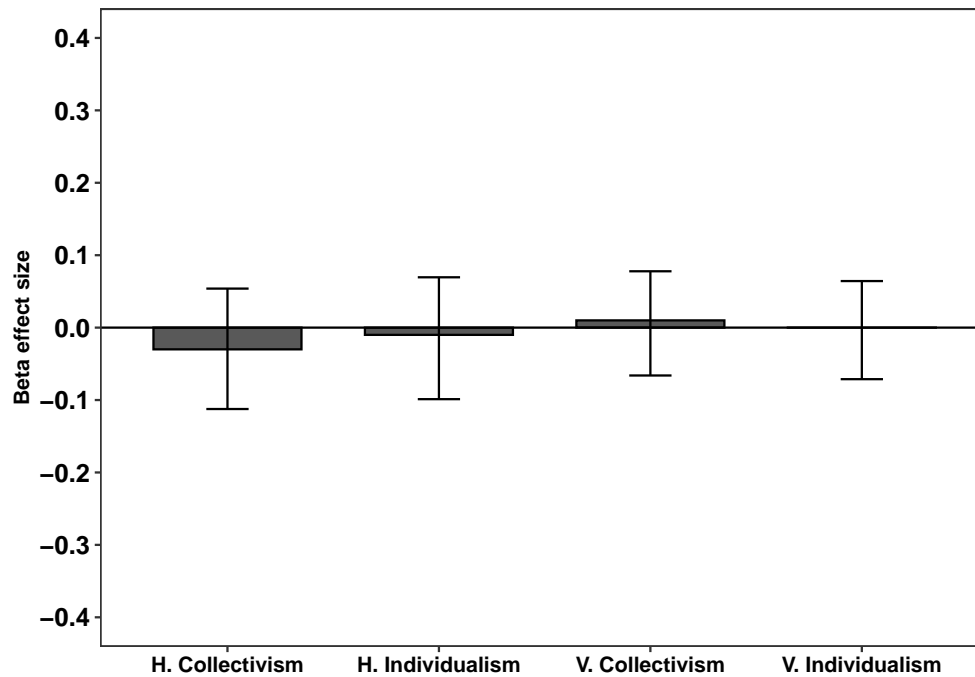


Figure 24: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemma, no exclusion)

