

# Supplementary materials

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## 1. Demographics and exclusion

## 2. Main replication analysis

### Study 1a

#### Bayesian analysis

Table S1: Do personal force have an effect on moral dilemma judgements on Trolley dilemmas?

Exclusion	Cluster	BF	RR	t	df	p
Exclusion	Eastern	1.9e+02	1.5e-02, 4.7e+01	-3.69	366.23	<.001
	Southern	2.4e+07	3.0e-08, 9.0e+06	-6.32	619.93	<.001
	Western	8.0e+01	4.0e-0.3, 1.4e+01	-3.41	553.15	<.001
No exclusion	Eastern	4.0e+14	8.0e-15, 2.0e+13	-8.56	1707.97	<.001
	Southern	4.0e+17	1.0e-23, 1.9e+22	-9.40	1851.54	<.001
	Western	4.5e+14	2.0e-19, 6.0e+17	-8.57	2112.23	<.001

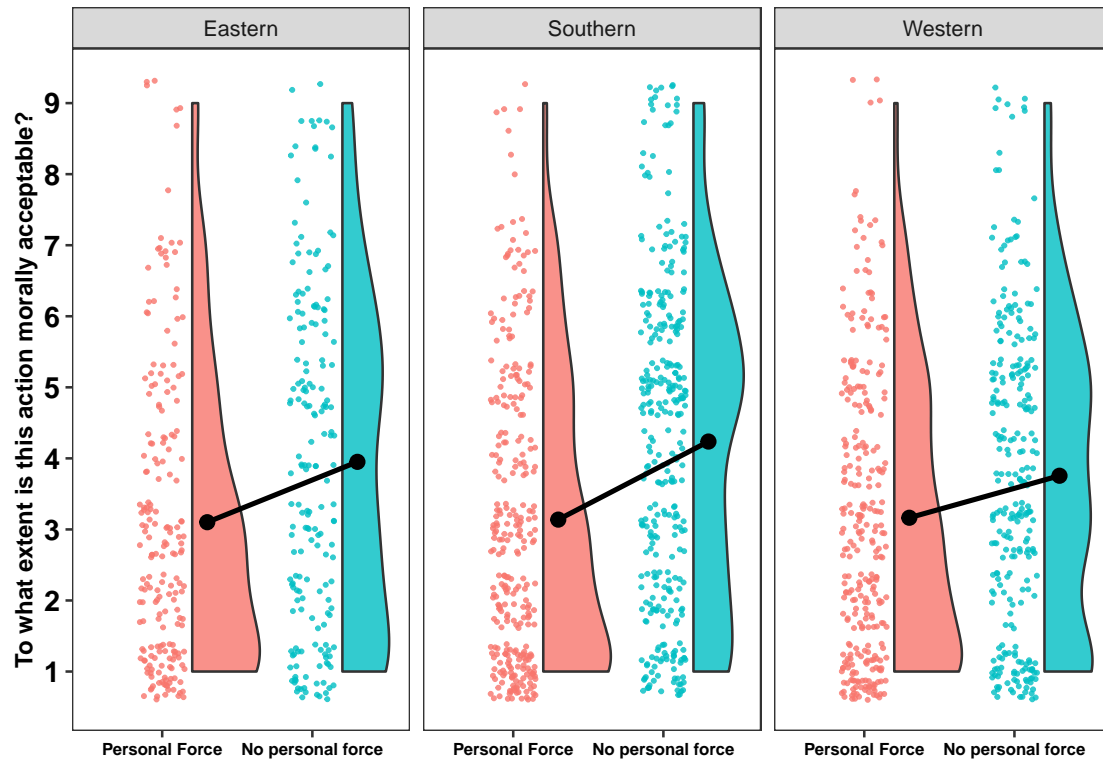


Figure S1: Results on Trolley dilemmas in Study 1 when all exclusions criteria are applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

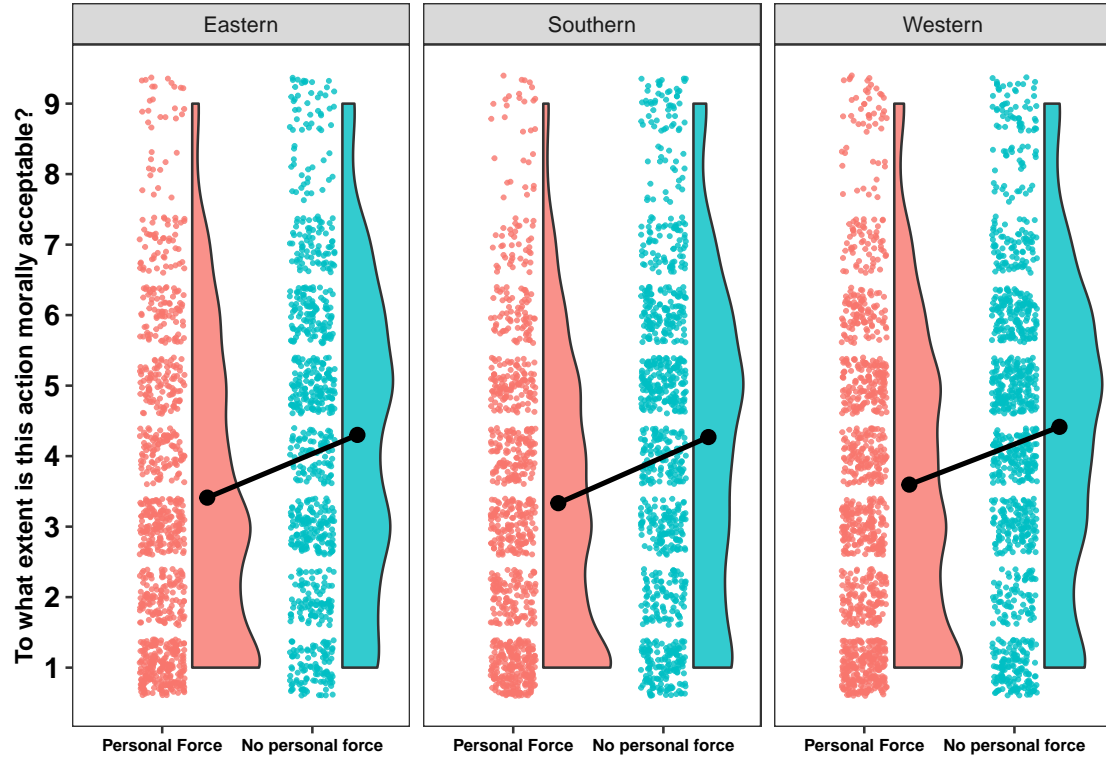


Figure S2: Results on Trolley dilemmas in Study 1 when no exclusions criteria is applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

## Study 1b

Table S2: Do personal force have an effect on moral dilemma judgements on Speedboat dilemmas?

Exclusion	Cluster	BF	RR	t	df	p
Exclusion	Eastern	1.2e+05	2.6e-06, 5.7e+04	-5.26	283.92	<.001
	Southern	1.0e+03	3.0e-04, 2.5e+03	-4.19	436.86	<.001
	Western	2.5e+01	6.0e-03, 4.3	-3.01	437.36	0.003
No exclusion	Eastern	1.4e+09	8.4e-10, 1.1e+08	-6.84	1708.66	<.001
	Southern	9.4e+10	5.8e-18, 2.2e+16	-7.48	1855.02	<.001
	Western	4.5e+13	8.0e-18, 1.2e+16	-8.29	2122.07	<.001

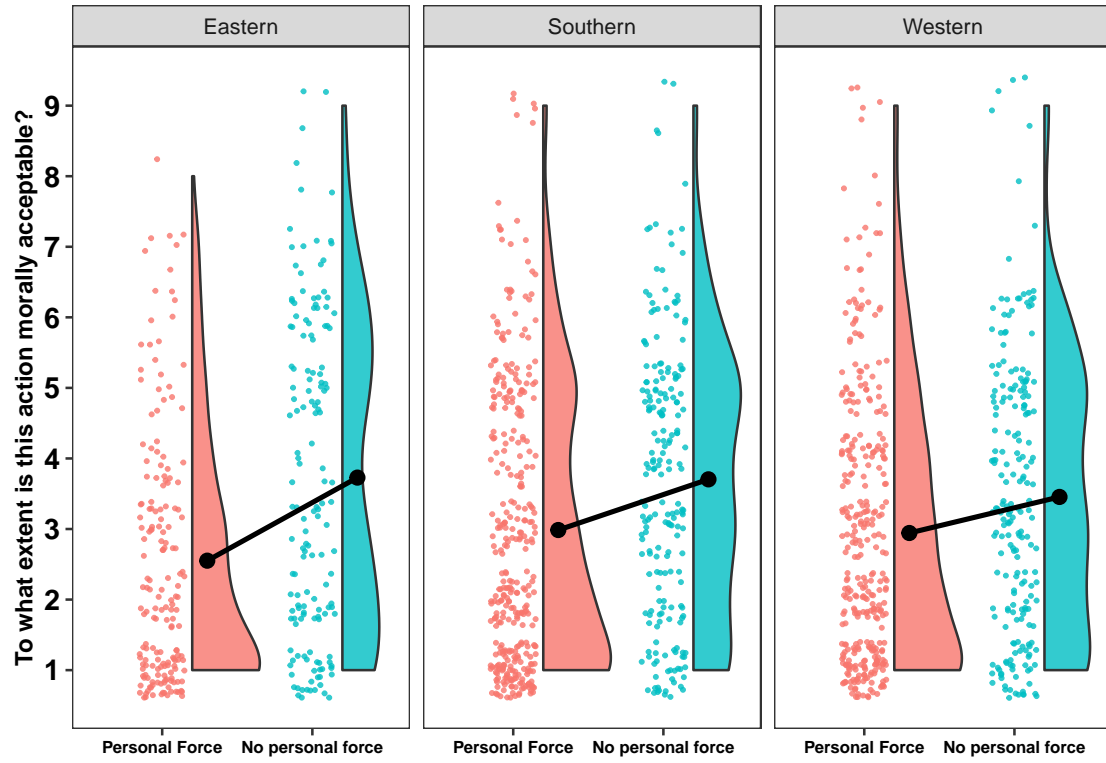


Figure S3: Results on Speedboat dilemmas in Study 1 when all exclusions criteria are applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

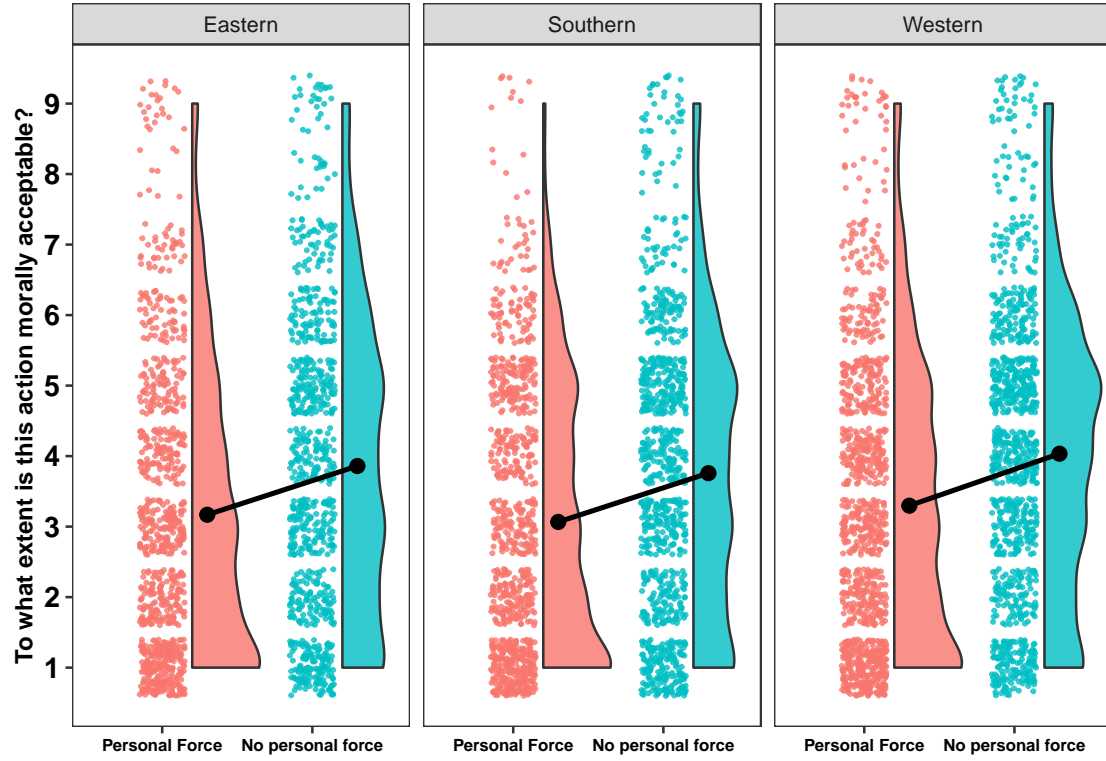


Figure S4: Results on Speedboat dilemmas in Study 1 when no exclusions criteria is applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

## Study 2a

Table S3: Do personal force interact with intention on Trolley dilemmas?

Exclusion	Cluster	BF	RR	F	df	p
Exclusion	Eastern	3.0e-01	2.2e-01, Inf	0.041	1, 319	0.84
	Southern	1.7e+01	1.3e-0.2, 2.3	9.455	1, 686	0.002
	Western	2.2e+11	<1.0e-04, 3.1e+10	58.035	1, 2967	<.001
No exclusion	Eastern	8.9e+02	2.7e-0.4, 1.1e+03	18.430	1, 2052	<.001
	Southern	1.4e+14	<1.0e-04, 8.9e+15	72.282	1, 2485	<.001
	Western	5.3e+48	<1.0e-04, >1.0e+18	233.910	1, 12874	<.001

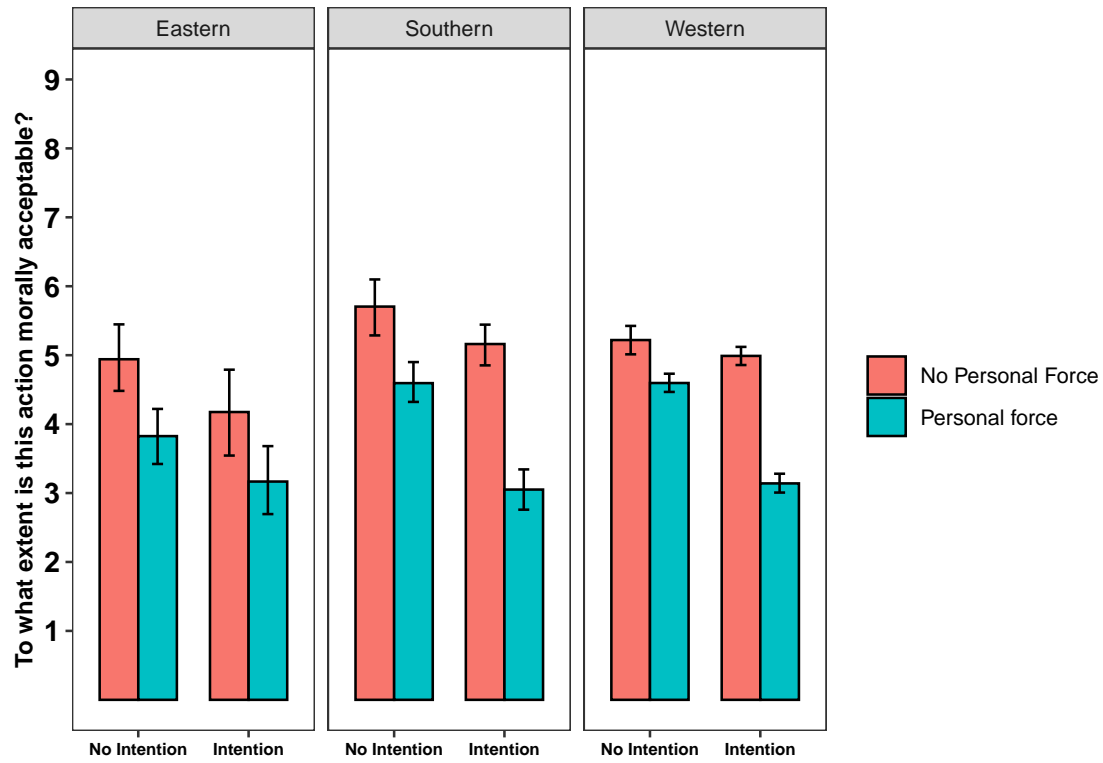


Figure S5: Results on Trolley dilemmas in Study 2 when all exclusions criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention on all cultural clusters.

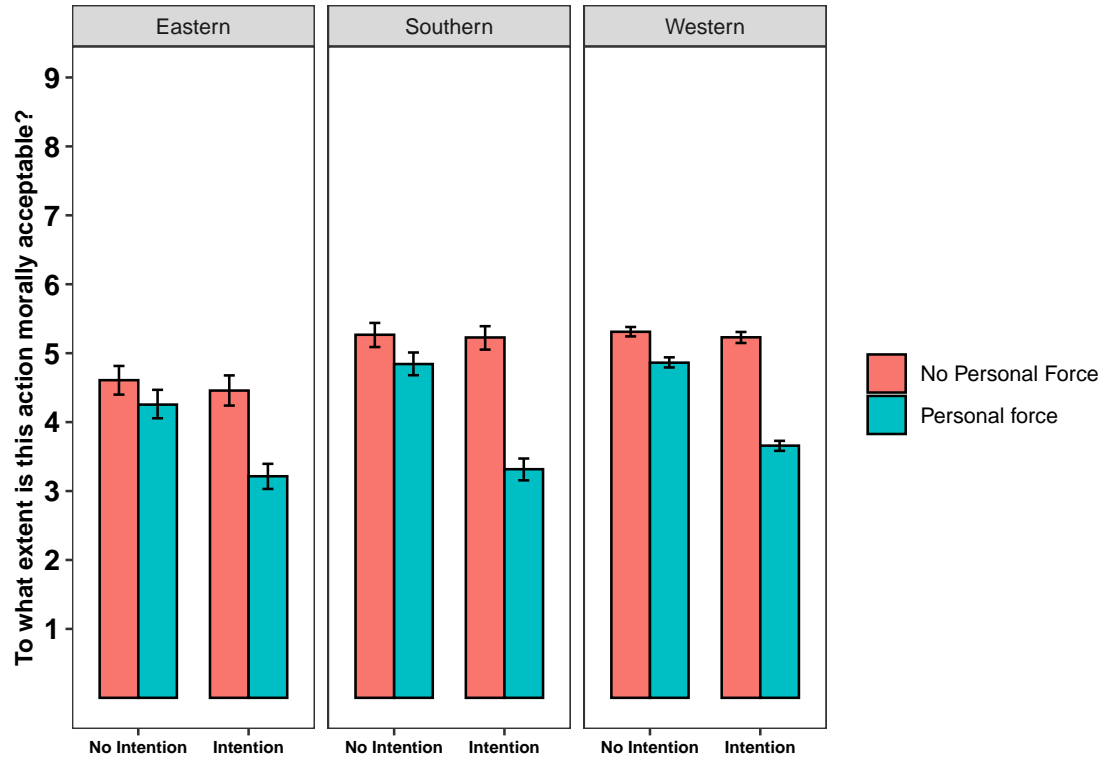


Figure S6: Results on Trolley dilemmas in Study 2 when no exclusion criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention on all cultural clusters.

## Study 2b

Table S4: Do personal force interact with intention on Speedboat dilemmas?

Exclusion	Cluster	BF	RR	F	df	p
Exclusion	Eastern	0.4	0, 2.8e-01	0.003	1, 273	0.959
	Southern	0.3	2.2e-01, Inf	0.068	1, 572	0.794
	Western	130.0	1.2e-03, 1.5e+01, 3.1e+10	14.604	1, 2656	<.001
No exclusion	Eastern	0.1	8.0e-02, Inf	0.001	1, 2052	0.979
	Southern	0.2	0, 3.5e-01	1.050	1, 2485	0.306
	Western	42.0	2.0e-0.3, 7.8e-01	13.585	1, 12874	<.001

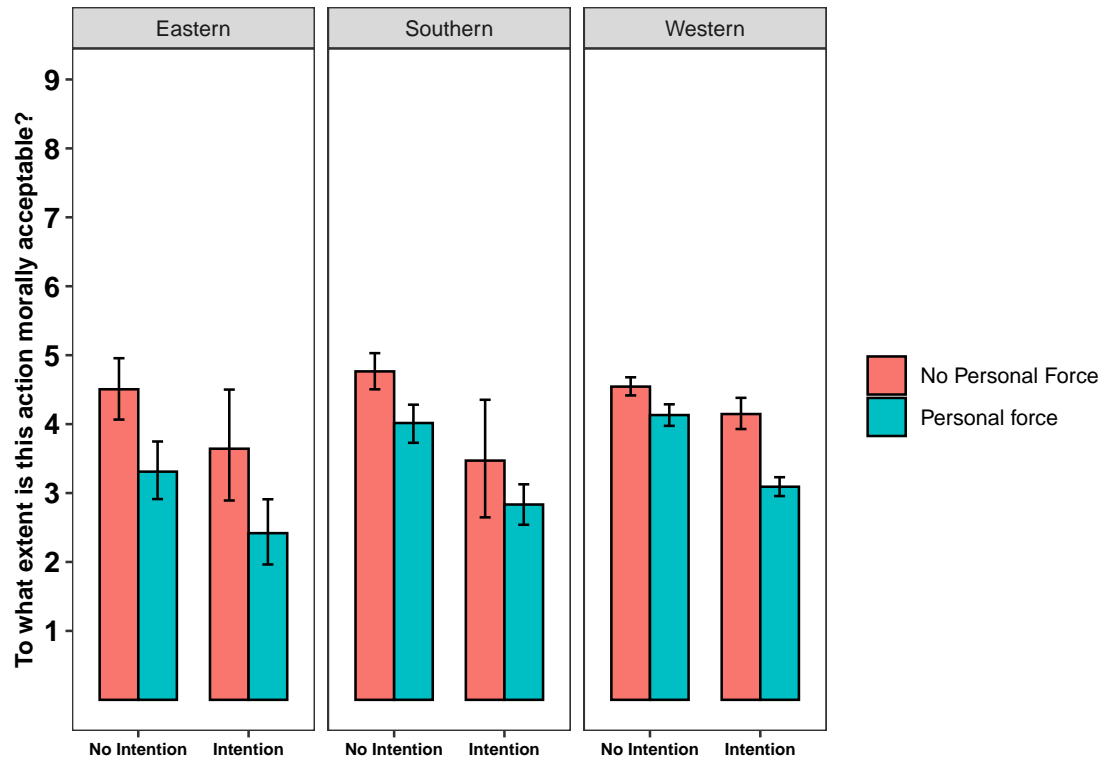


Figure S7: Results on the Speedboat dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention only on the Western cluster.



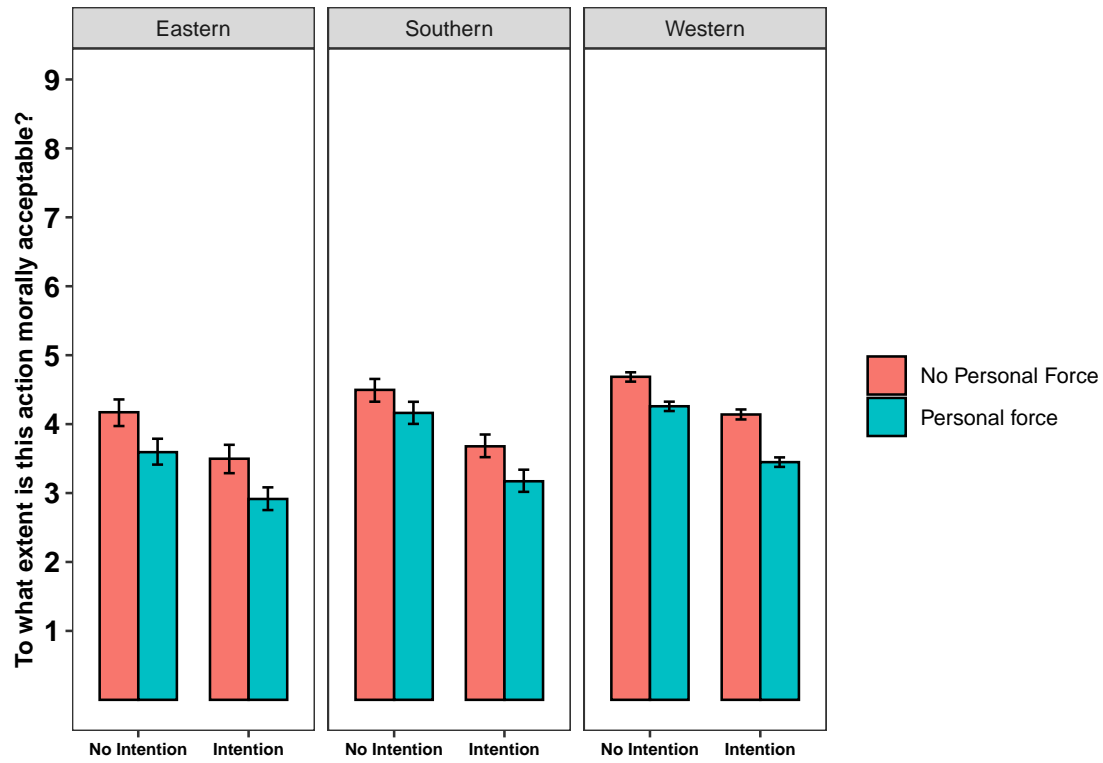


Figure S8: Results on the Speedboat dilemmas in Study 2 when no exclusion criteria is applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention only on the Western cluster.

### 3. Effects of individualism-collectivism

#### Study 1a

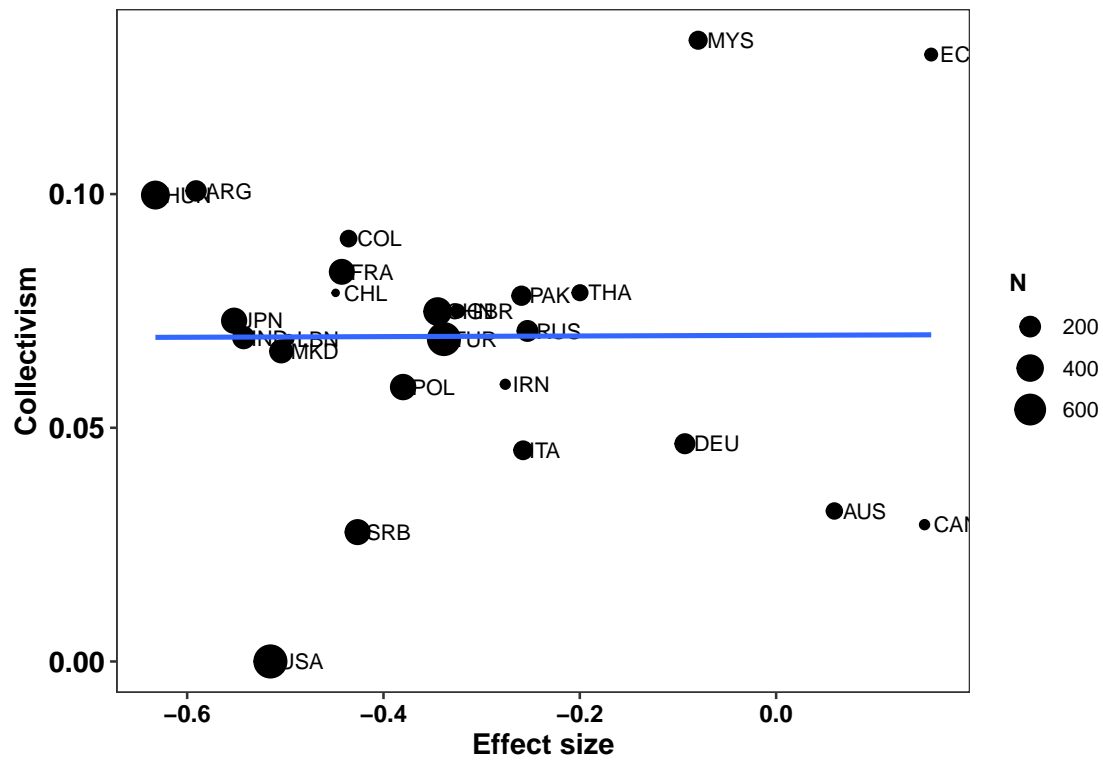


Figure S9: Correlation between country-level individualism/collectivism and the effect of personal force in Cohen D on the Trolley dilemmas

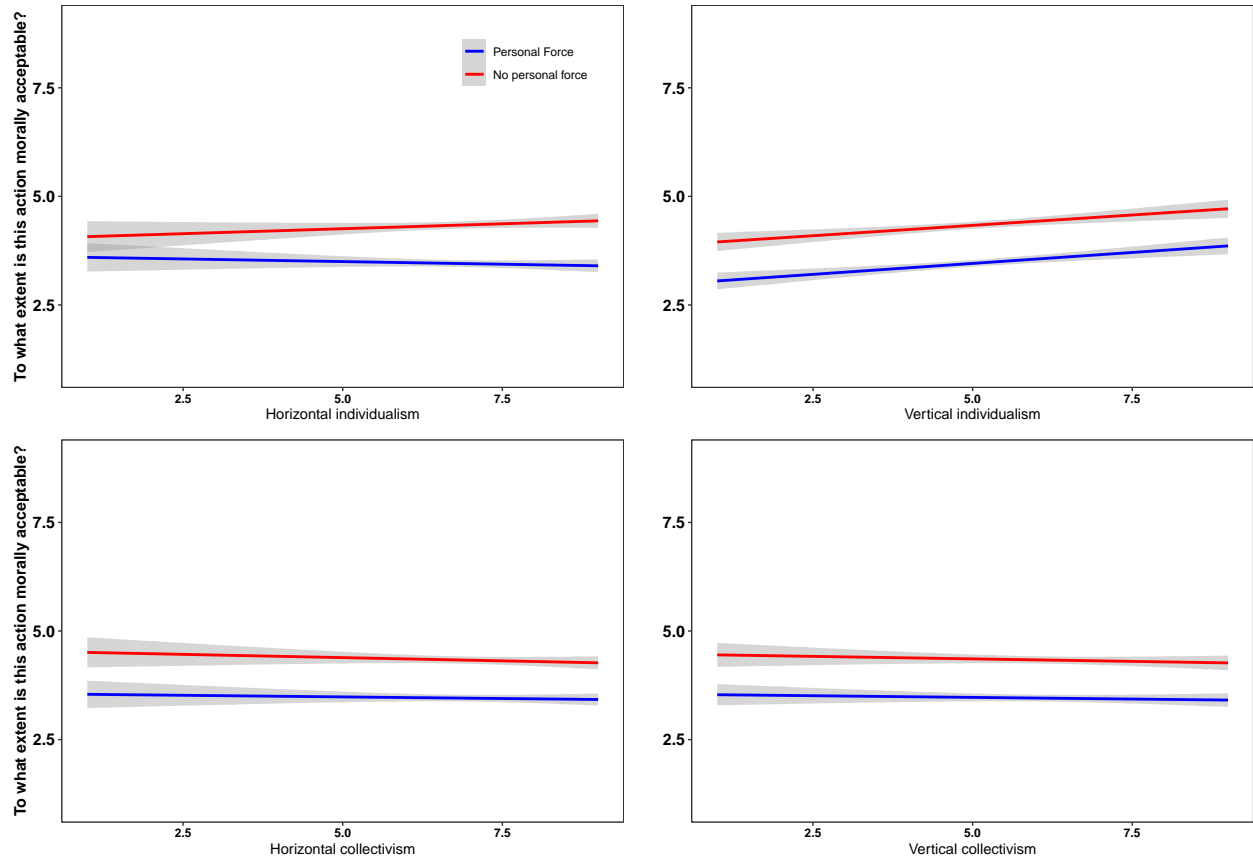


Figure S10: Personal level individualism/collectivism effects on the Trolley dilemmas

## Study 1b

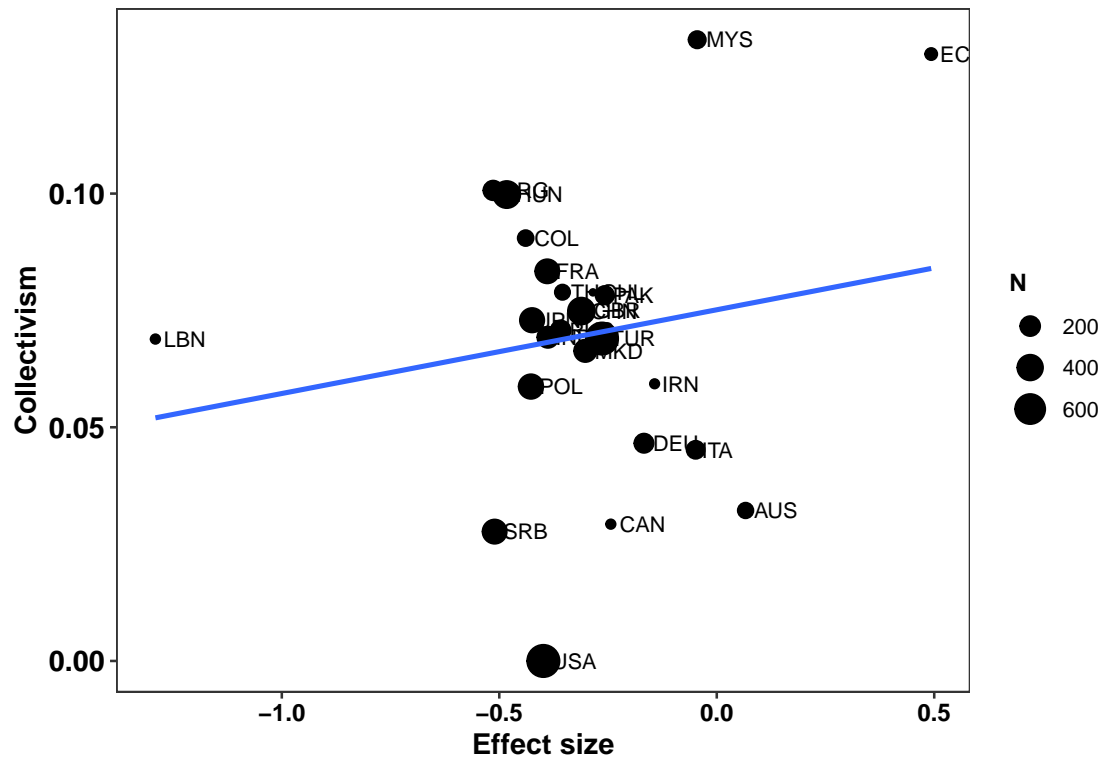


Figure S11: Correlation between country-level individualism/collectivism and the effect of personal force in Cohen D on the Speedboat dilemmas

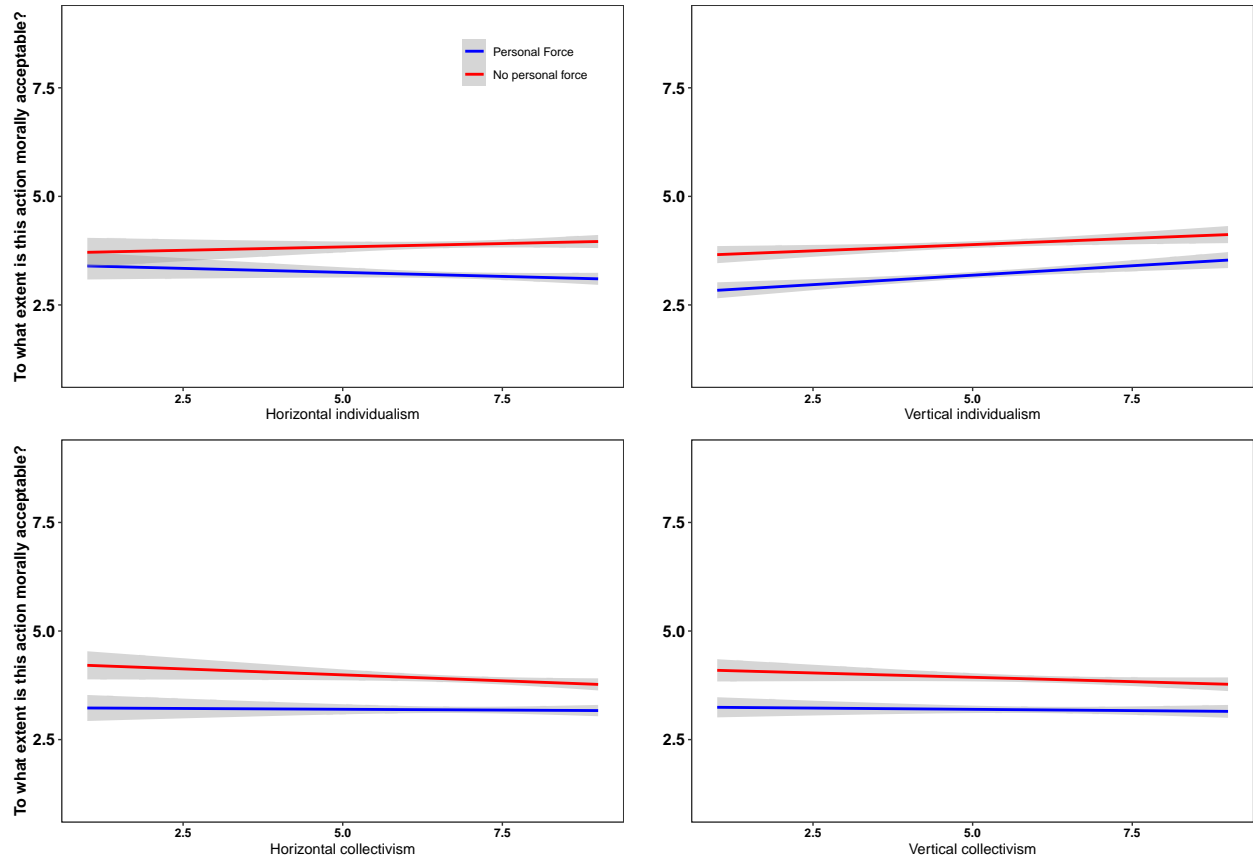


Figure S12: Personal level individualism/collectivism effects on the Speedboat dilemmas

## Study 2a

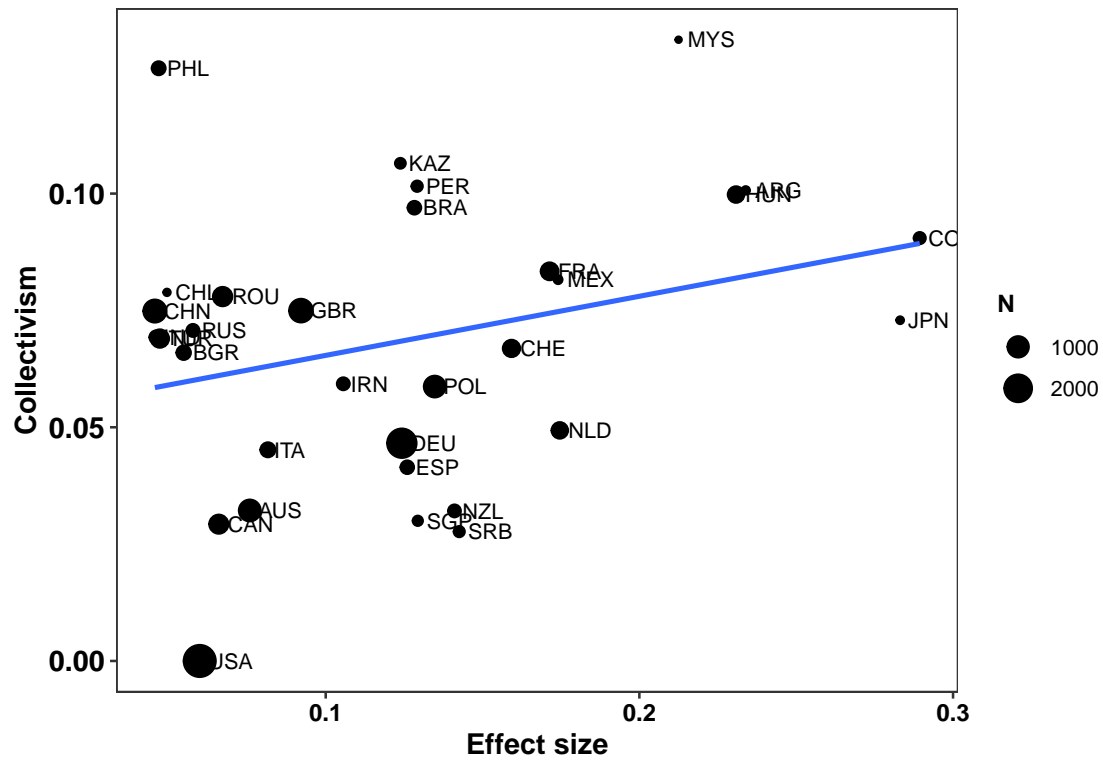


Figure S13: Correlation between country-level individualism/collectivism and the effect of personal force in Cohen D on the Trolley dilemmas

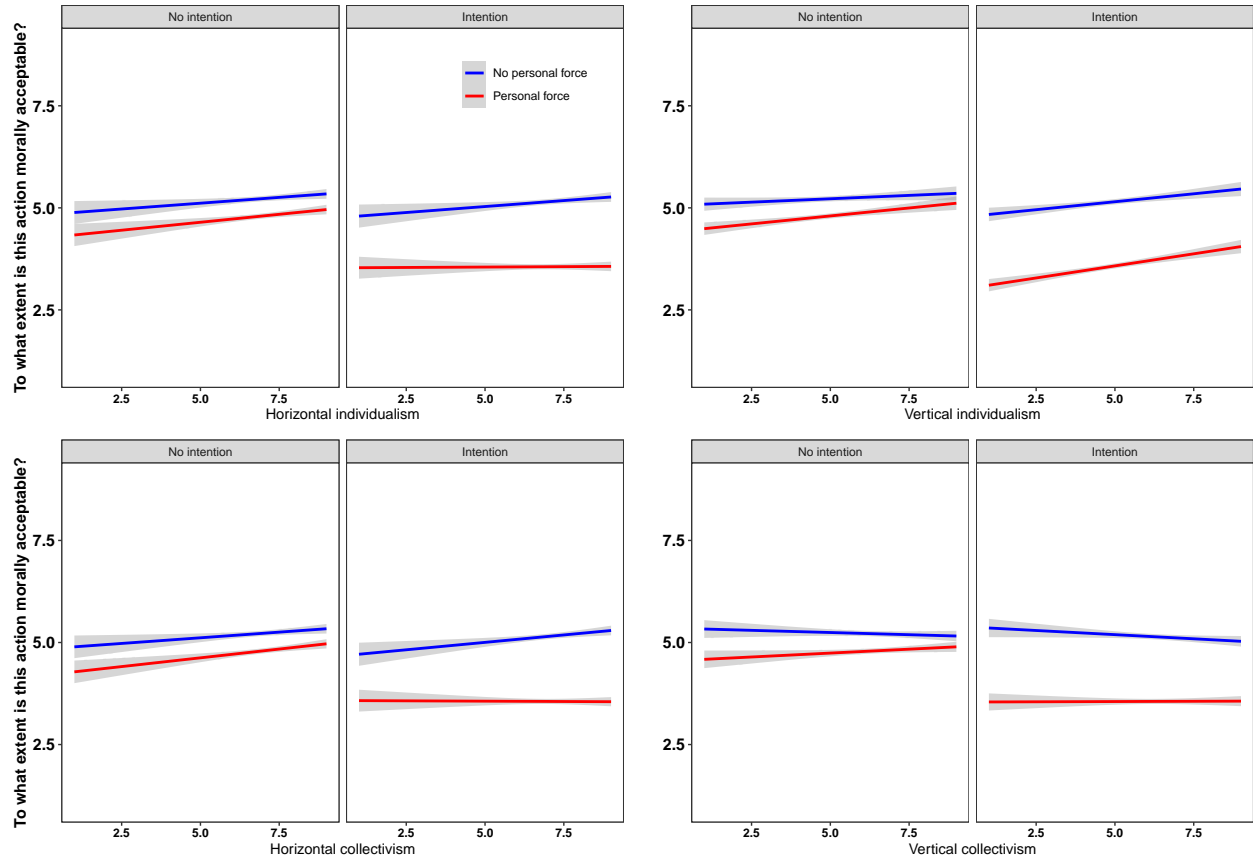


Figure S14: Personal level individualism/collectivism effects on the interaction of personal force and intention (trolley dilemmas)

## Study 2b

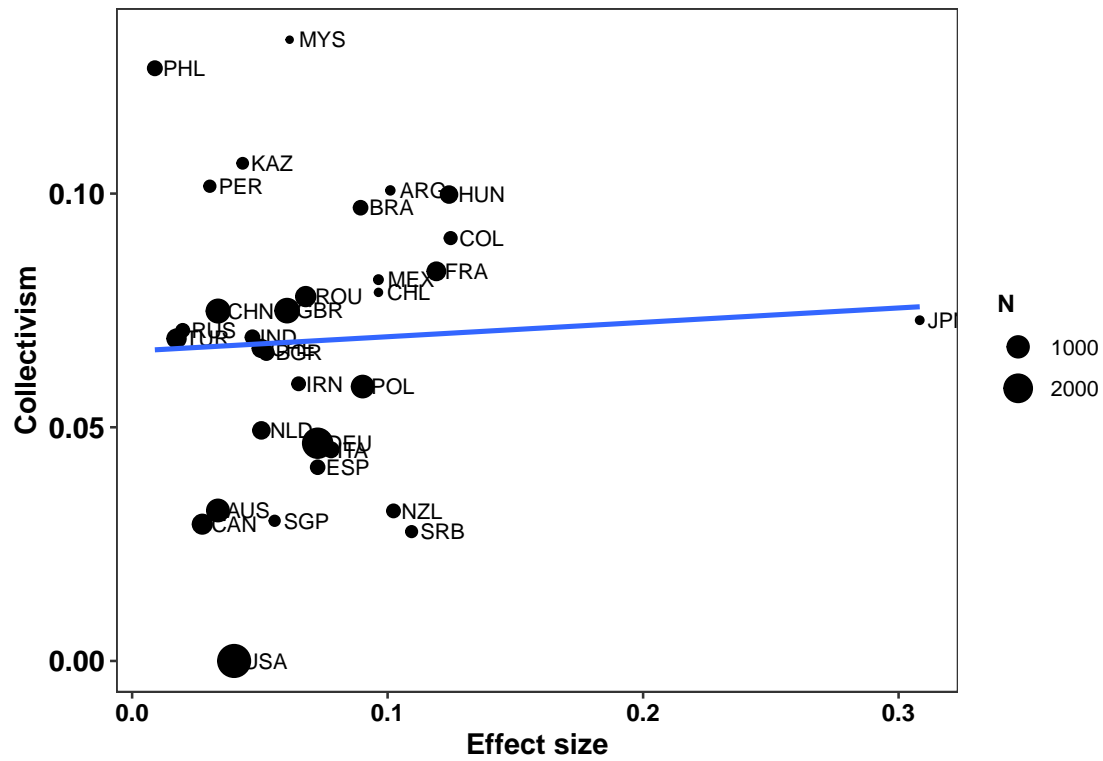


Figure S15: Correlation between country-level individualism/collectivism and the interactional effect of personal force and intention in Eta squared on Speedboat dilemmas



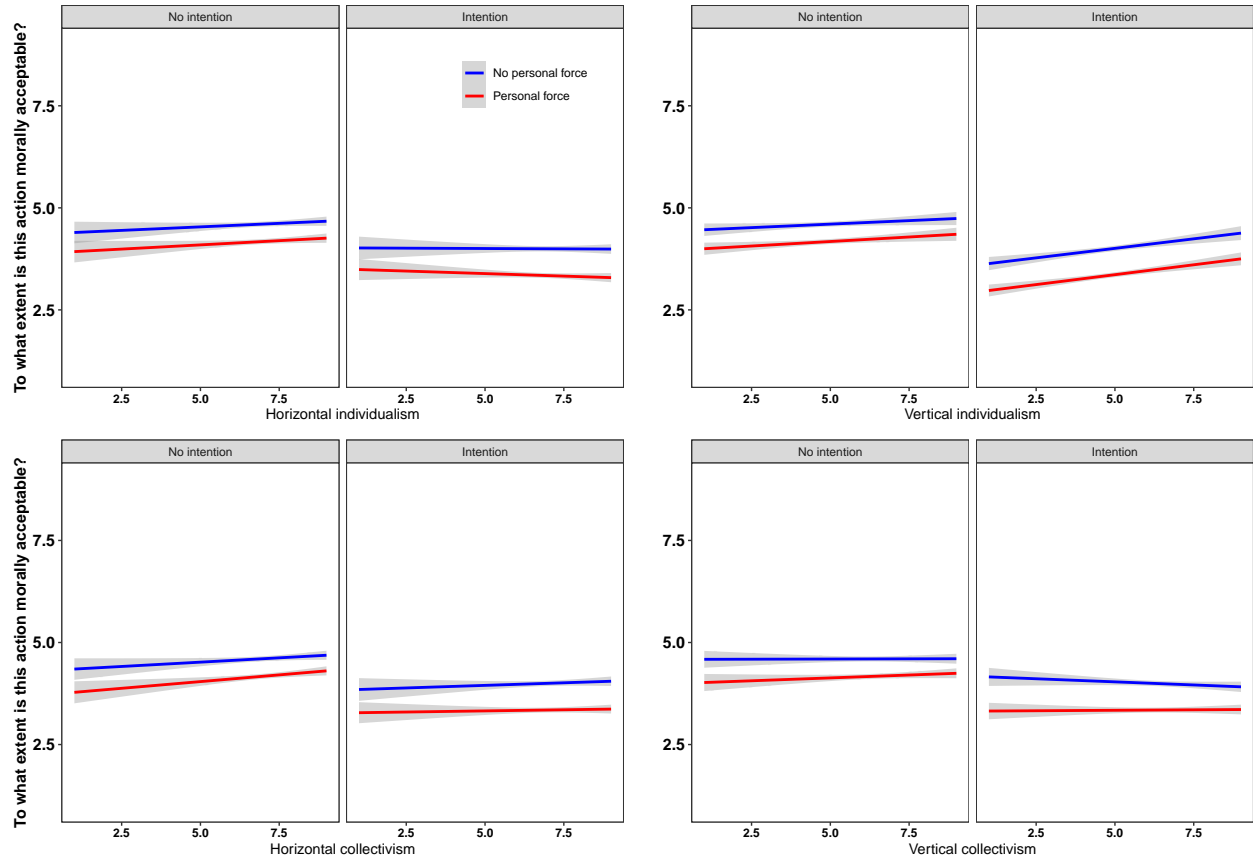


Figure S16: Personal level individualism/collectivism effects on the interaction of personal force and intention (speedboat dilemmas)

#### 4. Additional analysis