

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 | NA | -3.69 | 366.23 | <.001 |
| | Southern | 2.4e+07 | NA | -6.32 | 619.93 | <.001 |
| | Western | 8.0e+01 | NA | -3.41 | 553.15 | <.001 |
| No exclusion | Eastern | 7.2e+13 | NA | -8.34 | 1783.67 | <.001 |
| | Southern | 6.1e+22 | NA | -10.61 | 2504.19 | <.001 |
| | Western | 3.0e+18 | NA | -9.55 | 3397.97 | <.001 |

First, we analysed the data in which we applied all exclusion criteria regarding the trolley dilemmas. In all of the cultural clusters we investigated, we found strong evidence for the effect of personal force on moral dilemma judgements. In the Western cluster; $BF =$, $Error =$, $d =$, in the eastern cluster, $BF =$ and in the southern cluster too, $BF =$. As pre-registered we also conducted a frequentist analysis, which yielded the same conclusions. There was a significant difference in the western cluster between the personal force and no personal force conditions, $t () =$, $p =$, similarly in the southern, $t () =$, $p =$, and the eastern clusters, $t () =$, $p =$. Figure x. represents the results.

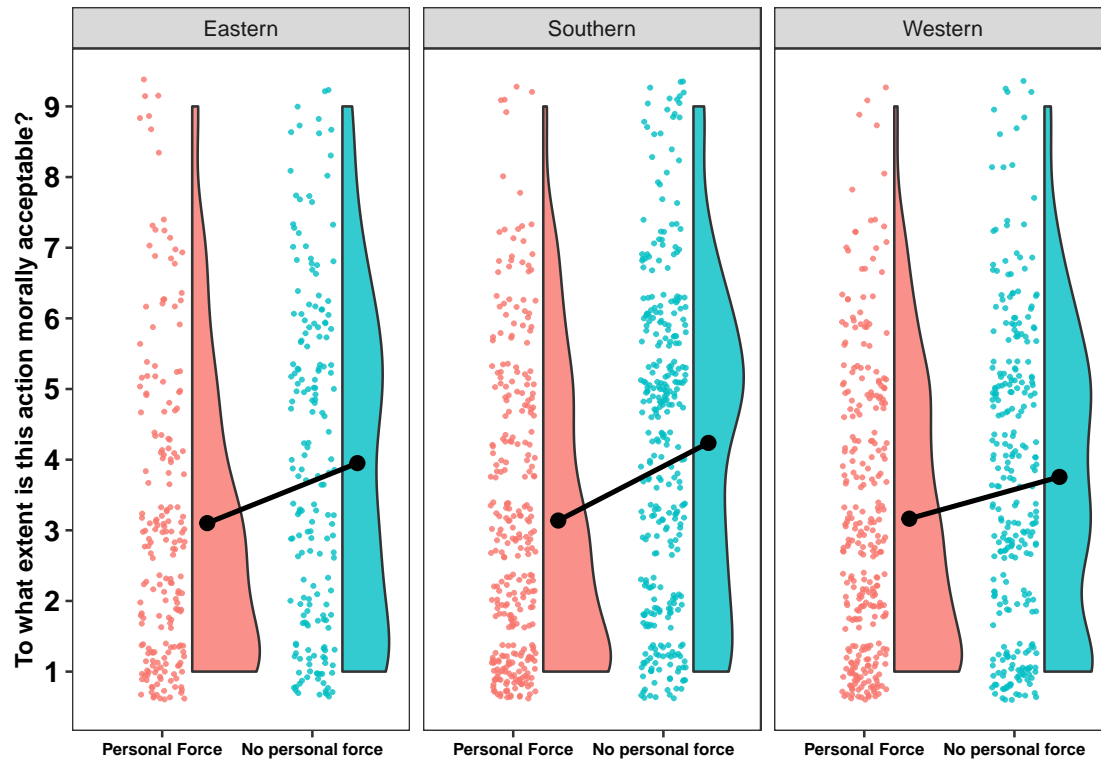


Figure S1: Results on Trolley dilemmas in Study 1 when all exclusions criteria are applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

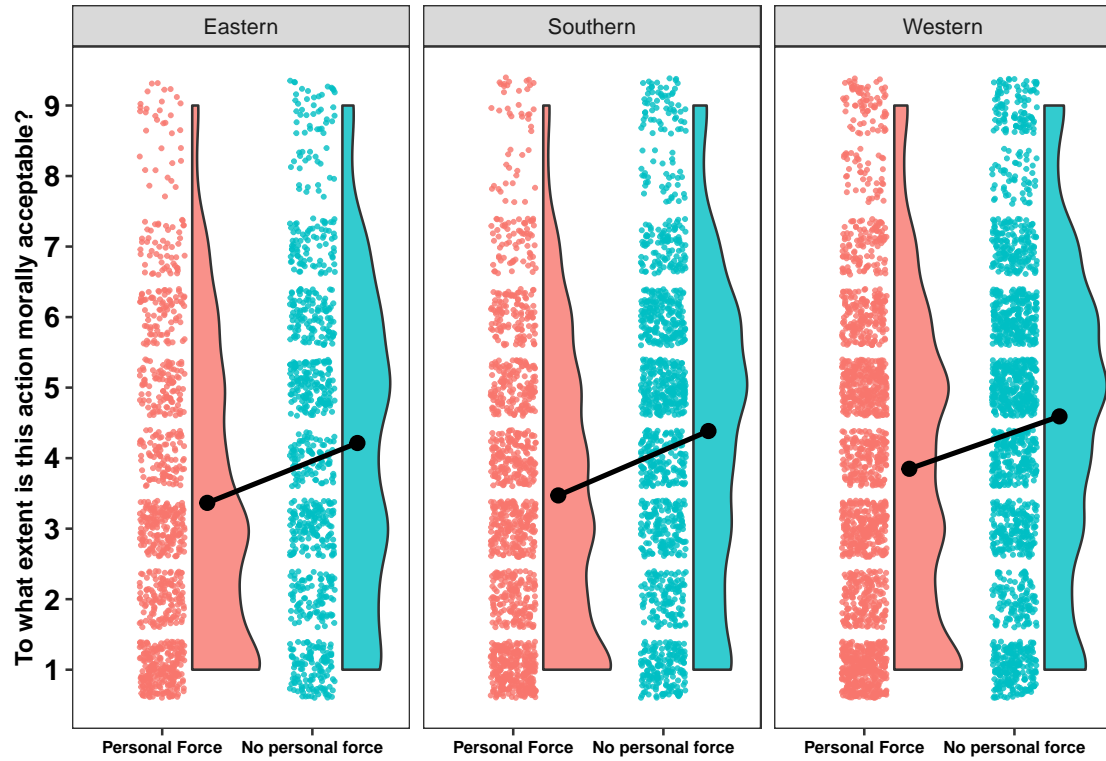


Figure S2: Results on Trolley dilemmas in Study 1 when no exclusions criteria is applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

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 | NA | -5.26 | 283.92 | <.001 |
| | Southern | 1.0e+03 | NA | -4.19 | 436.86 | <.001 |
| | Western | 2.5e+01 | NA | -3.01 | 437.36 | 0.003 |
| No exclusion | Eastern | 5.3e+08 | NA | -6.69 | 1789.34 | <.001 |
| | Southern | 8.8e+16 | NA | -9.18 | 2503.63 | <.001 |
| | Western | 5.7e+16 | NA | -9.12 | 3401.62 | <.001 |

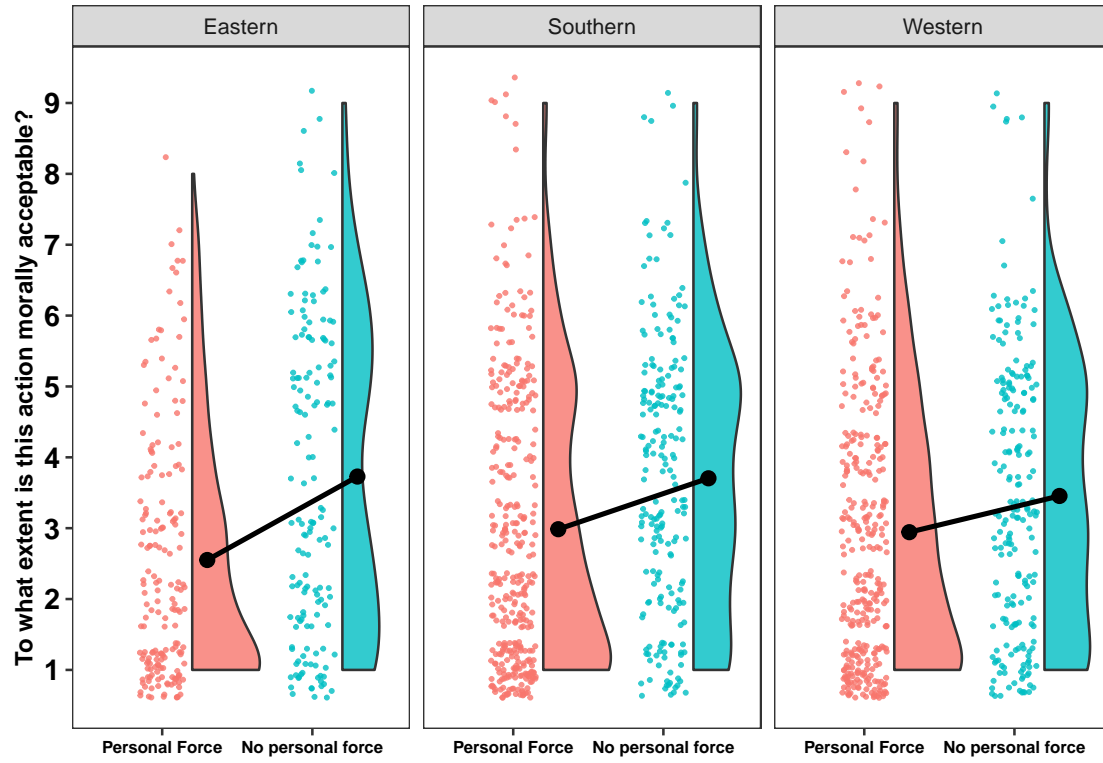


Figure S3: Results on Speedboat dilemmas in Study 1 when all exclusions criteria are applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

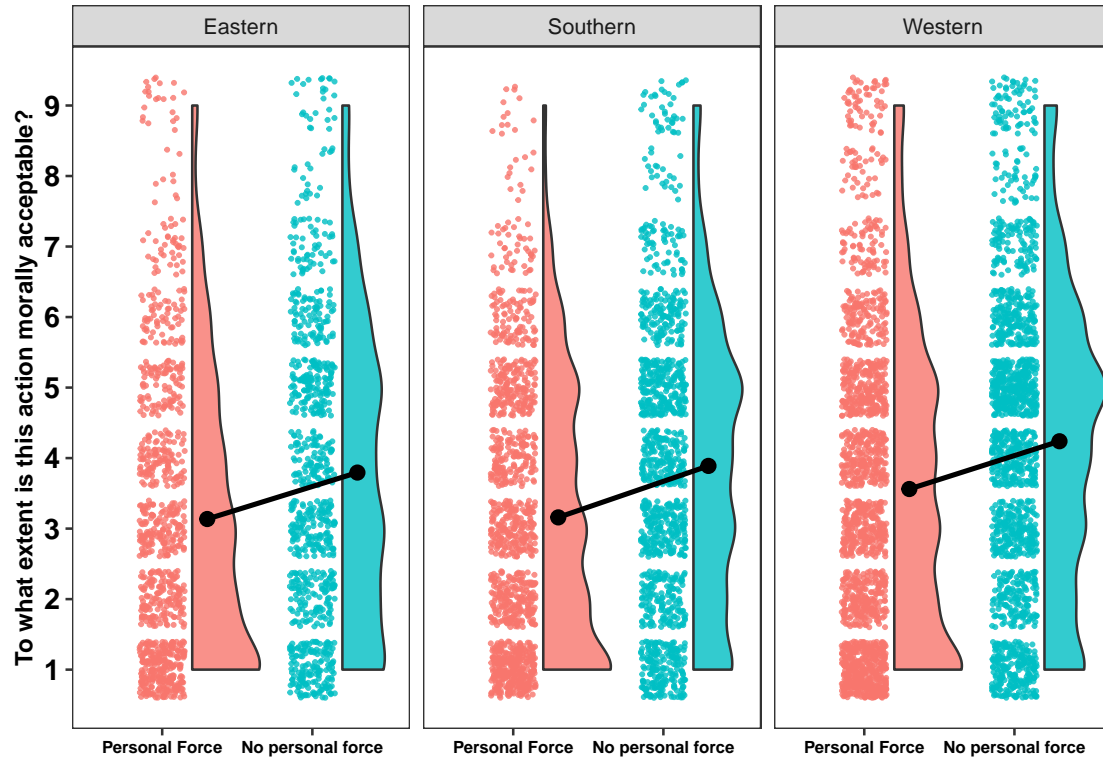


Figure S4: Results on Speedboat dilemmas in Study 1 when no exclusions criteria is applied. Black points are group level averages. There is an effect of personal force on each of the three clusters.

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 | NA | 0.041 | 1, 319 | 0.84 |
| | Southern | 1.5e+01 | NA | 9.455 | 1, 686 | 0.002 |
| | Western | 2.3e+11 | NA | 58.035 | 1, 2967 | <.001 |
| No exclusion | Eastern | 8.6e+02 | NA | 18.430 | 1, 2052 | <.001 |
| | Southern | 3.5e+16 | NA | 83.791 | 1, 2802 | <.001 |
| | Western | 1.8e+58 | NA | 278.475 | 1, 14474 | <.001 |

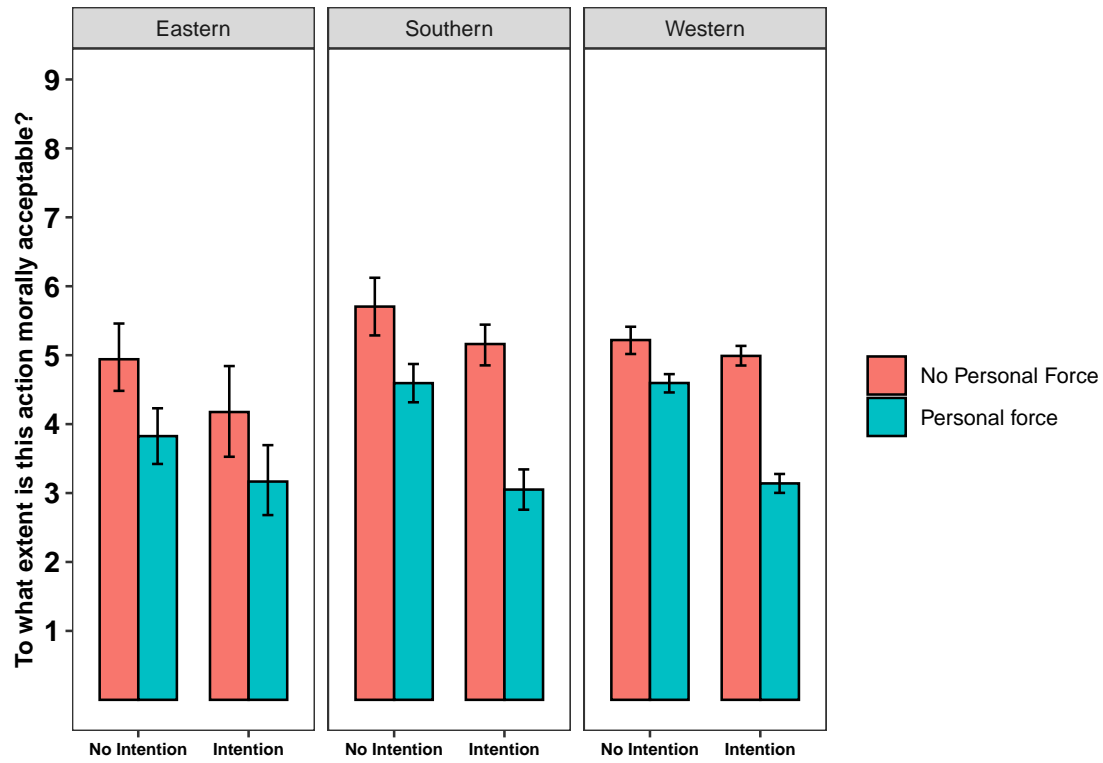


Figure S5: Results on Trolley dilemmas in Study 2 when all exclusions criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention on all cultural clusters.

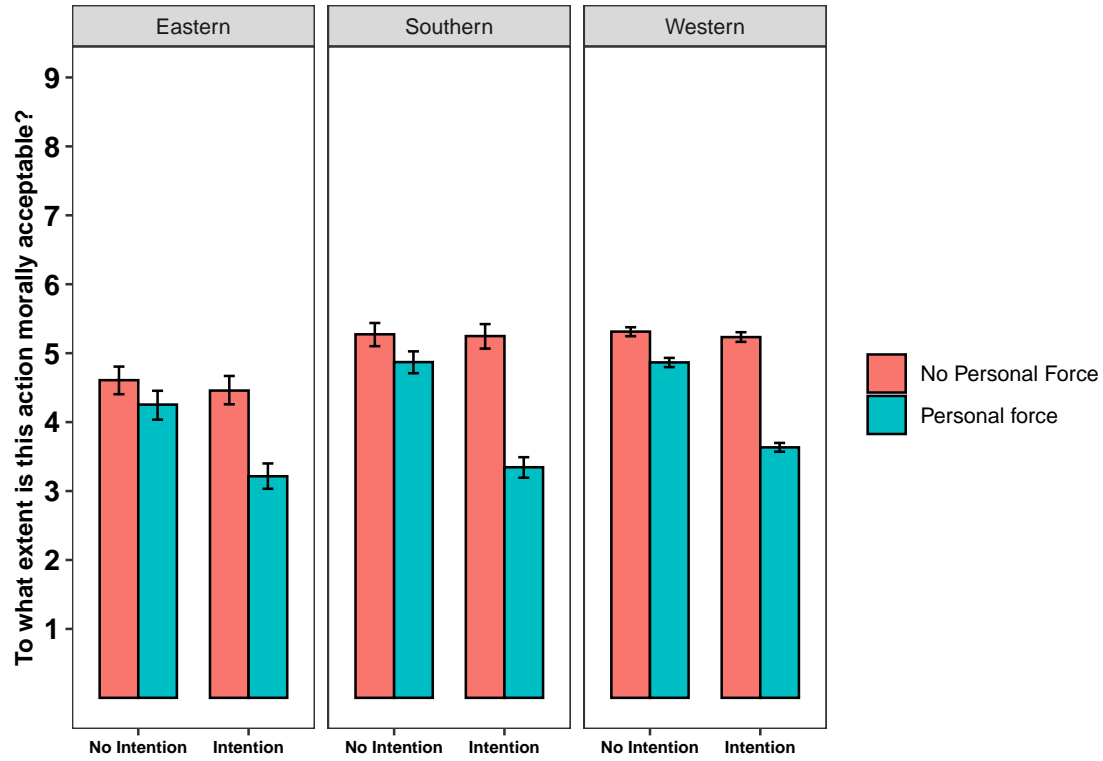


Figure S6: Results on Trolley dilemmas in Study 2 when no exclusion criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention on all cultural clusters.

Study 2b

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

| Exclusion | Cluster | BF | RR | F | df | p |
|--------------|----------|-------|----|--------|----------|-------|
| Exclusion | Eastern | 0.3 | NA | 0.003 | 1, 273 | 0.959 |
| | Southern | 0.3 | NA | 0.068 | 1, 572 | 0.794 |
| | Western | 130.0 | NA | 14.604 | 1, 2656 | <.001 |
| No exclusion | Eastern | 0.1 | NA | 0.001 | 1, 2052 | 0.979 |
| | Southern | 0.4 | NA | 2.766 | 1, 2802 | 0.096 |
| | Western | 8.9 | NA | 10.405 | 1, 14474 | 0.001 |

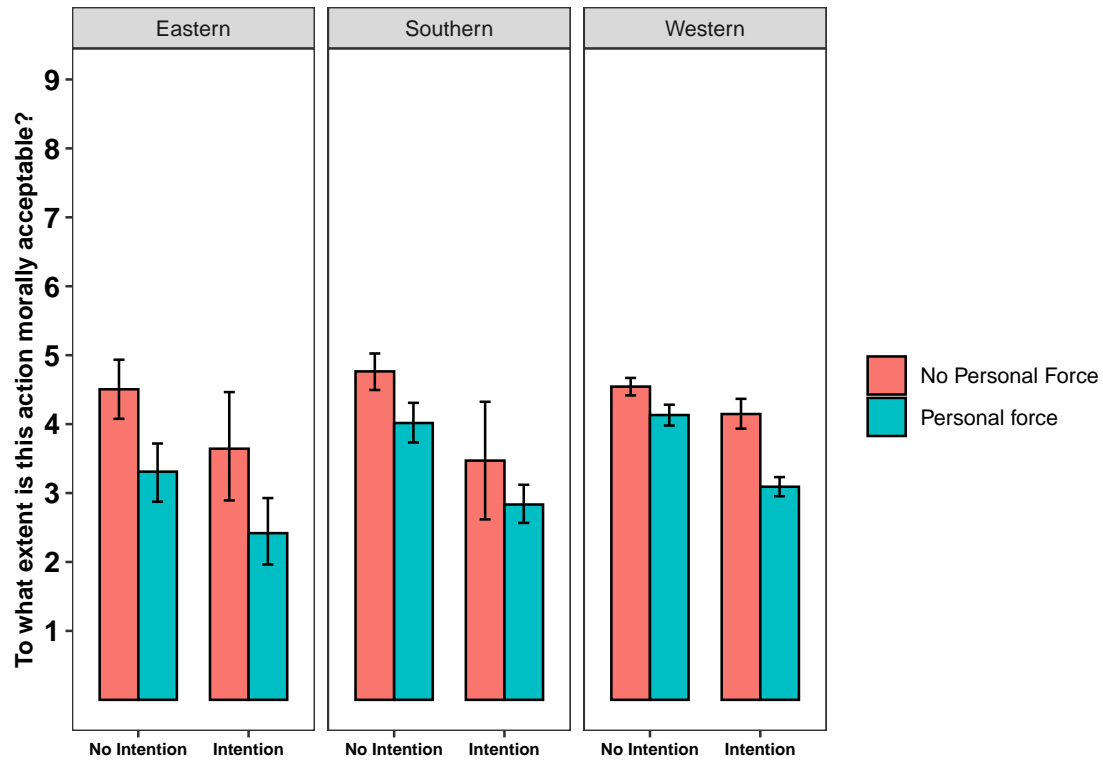


Figure S7: Results on the Speedboat dilemmas in Study 2 when all exclusion criteria are applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention only on the Western cluster.

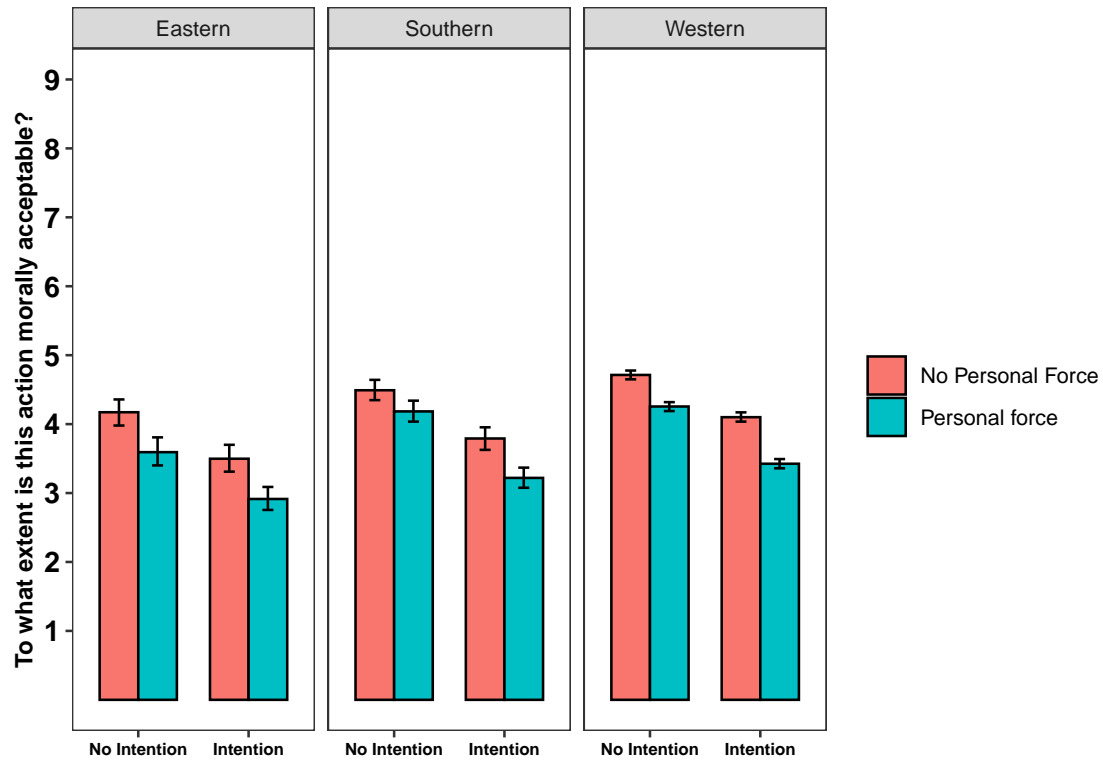


Figure S8: Results on the Speedboat dilemmas in Study 2 when no exclusion criteria is applied. Error bars are 95% confidence intervals on the mean. We can observe a significant interaction between personal force and intention only on the Western cluster.

3. Individualism-collectivism

Study 1a

Study 1b

Study 2a

Study 2b

4. Additional analysis