# Supplemental Material

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| *Table S1. 1. Correlations between past behaviour and Implicit Theories (n = 31)* |
|  | Aggressive behaviour | Past Aggression | Past Antisocial behaviour | Violence is normal | Beat or be beaten | Beat or be beaten self-enhancement | Beat or be beaten self-preservation | I am the law | I get out of control |
| Aggressive behaviour | 1 |  |  |  |  |  |  |  |  |
| Past Aggression | 0.24 | 1 |  |  |  |  |  |  |  |
| Past Antisocial behaviour | 0.32 |  0.63\*\*\* | 1 |  |  |  |  |  |  |
| Violence is normal | 0.31 | 0.17 | 0.18 | 1 |  |  |  |  |  |
| Beat or be beaten | -0.03 | 0.15 | 0.34 | 0.09 | 1 |  |  |  |  |
| Beat or be beaten self-enhancement | 0.03 |  0.46\*\*  |  0.53\*\*  | 0.28 | 0.25 | 1 |  |  |  |
| Beat or be beaten self-preservation | -0.11 | 0.16 | -0.04 | -0.15 | 0.13 | 0.11 | 1 |  |  |
| I am the law | 0.32 |  0.39\*  | 0.24 | 0.17 | 0.13 | 0.34 |  0.56\*\*  | 1 |  |
| I get out of control | 0.26 |  0.39\*  | 0.27 | 0.09 | 0.23 | 0.16 |  0.53\*\*  |  0.49\*\*  | 1 |
| \*<0.05, \*\*<0.01, \*\*\*<0.001 |

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| *Table S1. 2. Bivariate Correlations between variables included in the model for adults (n=300)* |
| 1[[1]](#footnote-1) | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 27 |
| 2 | .23\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | .21\*\* | .81\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | .23\*\* | .74\*\* | .73\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | .17\*\* | .49\*\* | .53\*\* | .51\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | .23\*\* | .26\*\* | .32\*\* | .26\*\* | .37\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 0.07 | -.18\*\* | -.21\*\* | -.22\*\* | -.33\*\* | -0.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | .18\*\* | .30\*\* | .29\*\* | .32\*\* | .29\*\* | .21\*\* | -0.08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | .15\*\* | .19\*\* | .22\*\* | .26\*\* | .21\*\* | .15\*\* | -.18\*\* | .19\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | -0.04 | -0.07 | -0.04 | -0.02 | -0.07 | 0.02 | .20\*\* | -0.09 | -0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | 0.01 | -0.05 | -0.01 | -0.03 | -0.01 | 0.06 | .23\*\* | -0.05 | -0.06 | .79\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | .15\* | .37\*\* | .41\*\* | .43\*\* | .58\*\* | .20\*\* | -.30\*\* | .40\*\* | .20\*\* | -.12\* | -0.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | .22\*\* | .26\*\* | .30\*\* | .25\*\* | .39\*\* | .27\*\* | 0.07 | .13\* | 0 | .26\*\* | .32\*\* | .18\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | -.13\* | -0.09 | -.16\*\* | -.12\* | -.32\*\* | 0 | .43\*\* | 0 | -0.1 | .29\*\* | .30\*\* | -.23\*\* | 0.01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | 0.02 | -0.11 | -.13\* | -.17\*\* | -.21\*\* | 0.05 | .67\*\* | 0 | -.17\*\* | .17\*\* | .26\*\* | -.16\*\* | 0.07 | .46\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | 0.03 | -0.01 | -0.02 | 0.03 | -.11\* | .11\* | .16\*\* | -0.04 | 0.05 | .12\* | .17\*\* | -0.07 | .12\* | .26\*\* | .13\* |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | 0 | -.18\*\* | -.25\*\* | -.24\*\* | -.29\*\* | 0.01 | .43\*\* | -.14\* | -0.05 | .14\* | .15\*\* | -.17\*\* | -0.06 | .44\*\* | .46\*\* | .28\*\* |  |  |  |  |  |  |  |  |  |  |  |
| 18 | 0.03 | -0.02 | -0.04 | -0.01 | -0.03 | 0.01 | .14\* | 0.1 | -0.09 | 0.09 | .13\* | 0.02 | 0.11 | .17\*\* | .14\* | -0.02 | 0.08 |  |  |  |  |  |  |  |  |  |  |
| 19 | .20\*\* | .35\*\* | .43\*\* | .36\*\* | .54\*\* | .29\*\* | -.17\*\* | .25\*\* | .14\* | -0.06 | 0.02 | .43\*\* | .31\*\* | -.11\* | -0.04 | 0.01 | -0.08 | -0.08 |  |  |  |  |  |  |  |  |  |
| 20 | .43\*\* | .18\*\* | .17\*\* | .14\* | .15\*\* | .16\*\* | -0.04 | .22\*\* | .17\*\* | -.14\* | -0.11 | .15\*\* | 0.11 | -.21\*\* | 0.04 | -0.06 | -0.05 | .12\* | 0.09 |  |  |  |  |  |  |  |  |
| 21 | .56\*\* | .30\*\* | .30\*\* | .31\*\* | .27\*\* | .25\*\* | -0.07 | .30\*\* | .20\*\* | -0.08 | -0.08 | .22\*\* | .28\*\* | -.18\*\* | 0.03 | -0.11 | -0.07 | 0.05 | .25\*\* | .53\*\* |  |  |  |  |  |  |  |
| 22 | .39\*\* | .28\*\* | .30\*\* | .35\*\* | .34\*\* | .24\*\* | -0.03 | .17\*\* | .18\*\* | 0.02 | 0.02 | .20\*\* | .29\*\* | -.17\*\* | -0.01 | 0.05 | -0.08 | 0.05 | .25\*\* | .27\*\* | .50\*\* |  |  |  |  |  |  |
| 23 | .46\*\* | .42\*\* | .41\*\* | .41\*\* | .48\*\* | .30\*\* | -.13\* | .32\*\* | .17\*\* | -.13\* | -0.08 | .36\*\* | .38\*\* | -.24\*\* | -0.06 | -0.08 | -.15\*\* | -0.01 | .38\*\* | .32\*\* | .61\*\* | .60\*\* |  |  |  |  |  |
| 24 | .36\*\* | .47\*\* | .43\*\* | .42\*\* | .57\*\* | .33\*\* | -.22\*\* | .28\*\* | .18\*\* | -.17\*\* | -.12\* | .41\*\* | .25\*\* | -.21\*\* | -0.09 | -0.08 | -.15\*\* | -0.05 | .44\*\* | .29\*\* | .48\*\* | .49\*\* | .63\*\* |  |  |  |  |
| 25 | .49\*\* | .33\*\* | .28\*\* | .39\*\* | .22\*\* | .17\*\* | -0.11 | .24\*\* | .27\*\* | -0.03 | -0.02 | .22\*\* | .19\*\* | -.14\* | -0.05 | -0.02 | -0.07 | 0.05 | .16\*\* | .48\*\* | .57\*\* | .38\*\* | .36\*\* | .33\*\* |  |  |  |
| 26 | .66\*\* | .36\*\* | .37\*\* | .39\*\* | .35\*\* | .32\*\* | -0.08 | .23\*\* | .20\*\* | -0.07 | 0.01 | .24\*\* | .32\*\* | -.22\*\* | 0.03 | -0.03 | -.12\* | 0 | .32\*\* | .51\*\* | .69\*\* | .54\*\* | .65\*\* | .51\*\* | .65\*\* |  |  |
| 27 | .25\*\* | .17\*\* | .13\* | .18\*\* | 0.11 | .21\*\* | -0.01 | 0.03 | .20\*\* | -0.03 | -0.06 | 0.01 | 0.01 | -0.06 | 0.06 | 0.03 | 0.08 | 0 | 0.11 | .16\*\* | .27\*\* | .23\*\* | .14\* | .23\*\* | .23\*\* | .32\*\* |  |
| 28 | .26\*\* | .26\*\* | .26\*\* | .25\*\* | .28\*\* | .17\*\* | -0.07 | 0.11 | 0.03 | -0.11 | -0.06 | 0.11 | .16\*\* | -.12\* | -0.03 | -0.08 | -.15\*\* | 0.03 | .15\*\* | .18\*\* | .28\*\* | .25\*\* | .36\*\* | .29\*\* | .33\*\* | .33\*\* | 0.11 |
| \*<0.05, \*\*<0.01, \*\*\*<0.001 |

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| *Table S1. 3. Bivariate Correlations between variables included in the model for TAY (n=162)* |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 2 | -0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 0.04 | .80\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 0.1 | .73\*\* | .79\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 0.06 | .51\*\* | .52\*\* | .58\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | 0.08 | .25\*\* | .17\* | 0.14 | .21\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 0.15 | -.31\*\* | -.36\*\* | -.38\*\* | -.51\*\* | 0.01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | -0.01 | .23\*\* | .26\*\* | .30\*\* | .20\*\* | -0.07 | -.20\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | .23\*\* | 0.12 | .17\* | .30\*\* | .26\*\* | 0.07 | -.16\* | .27\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | -0.03 | -0.11 | -.17\* | -.20\*\* | -0.11 | .16\* | .17\* | -0.09 | -0.06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | -0.07 | -0.11 | -.19\* | -.19\* | -.19\* | .19\* | .24\*\* | -0.08 | -0.11 | .81\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 0.07 | .36\*\* | .40\*\* | .43\*\* | .57\*\* | 0.14 | -.47\*\* | .41\*\* | .23\*\* | -0.13 | -0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | 0.07 | 0.09 | 0.09 | 0.13 | .15\* | .25\*\* | 0.02 | 0.15 | 0.11 | .38\*\* | .42\*\* | .18\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | 0.06 | -0.07 | -0.07 | -0.11 | -.28\*\* | -0.01 | .42\*\* | 0.01 | -0.08 | 0.13 | 0.14 | -0.13 | -0.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | 0.07 | -.23\*\* | -.26\*\* | -.29\*\* | -.34\*\* | 0.14 | .61\*\* | -.20\*\* | -.20\* | .26\*\* | .28\*\* | -.34\*\* | 0.15 | .38\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 16 | 0.03 | .22\*\* | .21\*\* | .21\*\* | 0.15 | .16\* | -.19\* | 0.14 | 0.14 | -0.04 | 0.01 | .25\*\* | 0.13 | .20\* | -0.11 |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | .22\*\* | -0.03 | 0 | -0.07 | -0.11 | .28\*\* | .32\*\* | -.24\*\* | -0.1 | .16\* | .20\* | -0.09 | 0.11 | .16\* | .37\*\* | 0.14 |  |  |  |  |  |  |  |  |  |  |  |
| 18 | 0.06 | -0.1 | -0.13 | -0.15 | -0.04 | -0.08 | .21\*\* | 0.11 | -0.1 | -0.01 | 0.1 | -0.06 | -0.01 | .21\*\* | .20\* | -0.12 | 0.1 |  |  |  |  |  |  |  |  |  |  |
| 19 | 0.09 | .31\*\* | .34\*\* | .35\*\* | .53\*\* | .27\*\* | -.22\*\* | .27\*\* | .20\* | 0.02 | -0.02 | .53\*\* | .22\*\* | -.20\*\* | -0.15 | .21\*\* | 0.01 | -0.07 |  |  |  |  |  |  |  |  |  |
| 20 | .28\*\* | -0.14 | -0.08 | -0.04 | -.16\* | 0.02 | 0.02 | .25\*\* | .21\*\* | -0.01 | 0.05 | 0.12 | 0.13 | 0.07 | 0.01 | 0.03 | .19\* | .21\*\* | -0.07 |  |  |  |  |  |  |  |  |
| 21 | .50\*\* | 0.08 | 0.12 | 0.14 | 0.09 | 0.02 | 0 | .28\*\* | .37\*\* | -0.09 | -0.06 | .28\*\* | 0.14 | -0.04 | -0.05 | 0.11 | 0.14 | 0.09 | 0.12 | .47\*\* |  |  |  |  |  |  |  |
| 22 | .27\*\* | 0.03 | 0.14 | 0.11 | 0.07 | 0.11 | -0.14 | 0.1 | .19\* | -0.01 | -0.04 | 0.15 | .17\* | -0.13 | -0.09 | 0.14 | .17\* | -0.08 | 0.12 | .32\*\* | .44\*\* |  |  |  |  |  |  |
| 23 | .37\*\* | .18\* | .32\*\* | .34\*\* | .34\*\* | 0.03 | -.17\* | .29\*\* | .42\*\* | -0.1 | -0.15 | .39\*\* | 0.14 | -0.06 | -.26\*\* | 0.13 | 0.01 | 0.06 | .26\*\* | .36\*\* | .70\*\* | .43\*\* |  |  |  |  |  |
| 24 | .21\*\* | .23\*\* | .29\*\* | .34\*\* | .42\*\* | 0.14 | -.31\*\* | .24\*\* | .32\*\* | -0.14 | -.19\* | .38\*\* | 0.15 | -.20\*\* | -.24\*\* | 0.15 | -0.06 | -0.09 | .37\*\* | .23\*\* | .49\*\* | .33\*\* | .63\*\* |  |  |  |  |
| 25 | .27\*\* | 0.03 | 0 | 0.05 | -0.09 | 0.04 | 0 | .18\* | .28\*\* | -0.01 | -0.01 | 0.05 | 0.02 | 0.1 | -0.09 | 0.04 | 0.01 | 0.14 | -0.01 | .52\*\* | .36\*\* | .16\* | .30\*\* | .18\* |  |  |  |
| 26 | .56\*\* | .16\* | .23\*\* | .24\*\* | .22\*\* | 0.12 | -0.13 | 0.12 | .32\*\* | -0.06 | -0.12 | .22\*\* | 0.15 | -0.06 | -0.14 | 0.04 | 0.13 | -0.06 | .23\*\* | .34\*\* | .56\*\* | .40\*\* | .56\*\* | .38\*\* | .44\*\* |  |  |
| 27 | .33\*\* | 0.09 | 0.12 | .23\*\* | .15\* | 0.06 | -0.12 | 0.1 | .32\*\* | -0.1 | -.16\* | 0.14 | 0.1 | -0.05 | -0.13 | .16\* | 0.01 | -.27\*\* | 0.11 | 0.03 | .28\*\* | .23\*\* | .33\*\* | .32\*\* | .26\*\* | .35\*\* |  |
| 28 | -0.1 | .31\*\* | .31\*\* | .25\*\* | .31\*\* | 0.1 | -.34\*\* | 0.11 | 0.14 | 0.01 | -0.04 | .20\* | 0 | -.21\*\* | -.26\*\* | 0.12 | -0.03 | -0.12 | 0.15 | 0 | 0 | 0.02 | 0.13 | .18\* | 0.04 | 0.13 | 0.07 |
| \*<0.05, \*\*<0.01, \*\*\*<0.001 |

1. 1. Past Aggression; 2. Storage domain of WM (WMQ); 3. Attention domain of WM (WMQ); 4. Executive domain of WM (WMQ); 5. Perceived Stress (PSS-10); 6. Self distraction (COPE); 7. Active coping (COPE); 8. Denial (COPE); 9. Substance use (COPE); 10. Use of emotional support (COPE); 11. Use of instrumental support (COPE); 12. Behavioural disengagement (COPE); 13. Venting (COPE); 14. Positive reframing (COPE); 15. Planning (COPE); 16. Humour (COPE); 17. Acceptance (COPE); 18. Religion (COPE); 19. Self-blame (COPE); 20. Criminal Attitudes to Violence (CAV); 21. Physical Aggression (BPAQ); 22. Verbal Aggression (BPAQ); 23. Anger (BPAQ); 24. Hostility (BPAQ); 25. Proactive Aggression (RPQ); 26. Reactive Aggression (RPQ); 27. Life Traumatic Experiences (LTE); 28. Hostile Attribution Bias (SIP-AEQ) [↑](#footnote-ref-1)