Table S1.

*Correlation table for SRET outcome variables (numbered in the first column) and depression symptoms (column 1: score on the CES-D) from the college student sample. \*\* = p < .001; \* = p < .01; † = p < .05.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** |
| 1. Number of Negative Words Endorsed | 0.7\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Self-Referential Negative Words Recalled | 0.63\*\* | 0.85\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Negative Words Recalled | 0.23\* | 0.34\* | 0.59\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. RT to Negative Words | 0.27\* | 0.29\* | 0.29\* | 0.08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Drift Rate (v) to Negative Words | 0.65\*\* | 0.81\*\* | 0.71\*\* | 0.3\* | 0.52\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Negative Words | 0.24† | 0.31† | 0.27† | -0.01 | 0.17 | 0.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Threshold Separation (a) | 0.01 | 0 | -0.04 | -0.09 | 0.73\*\* | 0.17 | 0.07 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Differences in Speed of Response Execution (d) | 0.01 | 0 | -0.01 | -0.07 | -0.08 | -0.1 | 0.04 | -0.07 |  |  |  |  |  |  |  |  |  |  |  |
| 1. Response Time Constant (t0) | 0.2\* | 0.25\* | 0.3\*\* | 0.18† | 0.52\*\* | 0.37\*\* | -0.05 | 0.05 | -0.12† |  |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Drift (sv) | 0.01 | 0.03 | 0.02 | 0.05 | -0.16 | 0.01 | 0.02 | -0.18† | 0.04 | -0.12 |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Non-Decisional Components (st0) | 0.25\*\* | 0.28\*\* | 0.19\* | -0.02 | 0.37\*\* | 0.33\*\* | 0.21† | 0.18† | -0.06 | 0.33\*\* | -0.16 |  |  |  |  |  |  |  |  |
| 1. Percentage of Contaminants (p) | 0.01 | 0.06 | 0.03 | -0.02 | 0.03 | 0.04 | -0.03 | 0.01 | 0 | -0.02 | 0 | -0.1 |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Starting Point (szr) | -0.14 | -0.08 | -0.05 | 0.07 | -0.01 | -0.14 | 0.04 | 0.06 | -0.17 | 0 | -0.35† | -0.2 | 0.02 |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Positive Words | -0.1 | -0.05 | -0.07 | 0.03 | 0.03 | 0.02 | -0.21† | 0.05 | 0.03 | 0.08 | 0.06 | -0.01 | 0.03 | -0.01 |  |  |  |  |  |
| 1. Drift Rate (v) to Positive Words | -0.59\*\* | -0.57\*\* | -0.53\*\* | -0.23\* | -0.47\*\* | -0.78\*\* | -0.02 | -0.18 | 0.16 | -0.41\*\* | 0.04 | -0.38\*\* | -0.06 | 0.12 | -0.01 |  |  |  |  |
| 1. RT to Positive Words | 0.32\*\* | 0.29\* | 0.3\* | 0.11 | 0.89\*\* | 0.53\*\* | 0.03 | 0.66\*\* | -0.21† | 0.58\*\* | -0.2 | 0.39\*\* | 0.02 | -0.01 | -0.07 | -0.6\*\* |  |  |  |
| 1. Number of Positive Words Recalled | -0.02 | 0.02 | 0.17 | 0.5\* | -0.02 | 0.04 | -0.19 | -0.08 | -0.12 | 0.14 | -0.03 | -0.1 | 0.04 | 0.07 | -0.01 | -0.14 | 0.08 |  |  |
| 1. Number of Self-Referential Positive Words Recalled | -0.38\*\* | -0.35\*\* | -0.25\*\* | 0.22 | -0.18\*\* | -0.39\*\* | -0.18\* | -0.05 | 0.06 | -0.12\* | 0.02 | -0.3\*\* | 0.01 | 0.11 | 0.12 | 0.45\*\* | -0.21\* | 0.7† |  |
| 1. Number of Positive Words Endorsed | -0.6\*\* | -0.54\*\* | -0.55\*\* | -0.23\* | -0.3\*\* | -0.63\*\* | -0.05 | 0 | 0.22 | -0.38\*\* | 0.1 | -0.35\*\* | -0.03 | 0.11 | 0.21 | 0.84\*\* | -0.48\*\* | -0.15 | 0.51\*\* |

Table S2.

*Correlation table for SRET outcome variables (numbered in the first column) and depression symptoms (column 1: score on the CES-D) from the MTurk sample. \*\* = p < .001; \* = p < .01; † = p < .05.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** |
| 1. Number of Negative Words Endorsed | 0.74\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Self-Referential Negative Words Recalled | 0.63\*\* | 0.8\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Negative Words Recalled | 0.29\* | 0.31\* | 0.61\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. RT to Negative Words | 0.35\*\* | 0.34\*\* | 0.35\* | 0.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Drift Rate (v) to Negative Words | 0.72\*\* | 0.83\*\* | 0.72\*\* | 0.3\* | 0.47\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Negative Words | 0.35\*\* | 0.46\*\* | 0.38\*\* | 0.06 | 0.38\*\* | 0.3\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Threshold Separation (a) | -0.04 | -0.08 | -0.16 | -0.22† | 0.59\* | 0.01 | 0.14 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Differences in Speed of Response Execution (d) | -0.19\* | -0.1\* | -0.11\* | -0.06 | -0.15\* | -0.28\*\* | -0.02† | -0.05 |  |  |  |  |  |  |  |  |  |  |  |
| 1. Response Time Constant (t0) | 0.21\*\* | 0.25\* | 0.36\*\* | 0.28\* | 0.6\*\* | 0.3\*\* | 0.08† | -0.04 | -0.14\* |  |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Drift (sv) | 0.05 | 0.06 | 0.11 | 0.17 | -0.12 | 0.07 | -0.14 | -0.28\* | -0.07 | 0.11 |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Non-Decisional Components (st0) | 0.28\* | 0.22\* | 0.11† | -0.05 | 0.48\*\* | 0.29\* | 0.34\*\* | 0.29† | -0.18\* | 0.23\* | -0.18 |  |  |  |  |  |  |  |  |
| 1. Percentage of Contaminants (p) | -0.03 | 0.03 | -0.01 | -0.04 | 0.06 | 0.01 | 0.11 | 0.16 | 0 | -0.08 | -0.19 | 0.02 |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Starting Point (szr) | -0.01 | 0 | -0.01 | -0.02 | 0.03 | -0.02 | 0.11 | 0.1 | -0.09 | -0.09 | -0.33\* | 0.03 | 0.01 |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Positive Words | -0.33\*\* | -0.32\*\* | -0.24\*\* | 0.01 | -0.17\*\* | -0.28\*\* | -0.46\*\* | -0.03 | 0.25\* | 0.02† | 0.11 | -0.22\*\* | -0.03 | -0.04 |  |  |  |  |  |
| 1. Drift Rate (v) to Positive Words | -0.65\*\* | -0.67\*\* | -0.6\*\* | -0.27\* | -0.45\*\* | -0.82\*\* | -0.24\*\* | 0.04 | 0.28\*\* | -0.37\*\* | -0.09 | -0.28\* | 0.02 | 0.02 | 0.26\*\* |  |  |  |  |
| 1. RT to Positive Words | 0.33\*\* | 0.33\*\* | 0.33\*\* | 0.13 | 0.94\*\* | 0.5\*\* | 0.28\*\* | 0.55† | -0.22\*\* | 0.63\*\* | -0.12 | 0.47\*\* | 0.09 | 0.04 | -0.19\*\* | -0.53\*\* |  |  |  |
| 1. Number of Positive Words Recalled | 0.01 | 0.03 | 0.24 | 0.59\*\* | -0.04 | 0.04 | -0.11 | -0.28\* | -0.03 | 0.22 | 0.13 | -0.13 | -0.04 | -0.01 | 0.04 | -0.12 | 0.04 |  |  |
| 1. Number of Self-Referential Positive Words Recalled | -0.34\*\* | -0.35\*\* | -0.2\* | 0.31 | -0.22\*\* | -0.37\*\* | -0.25\*\* | -0.13 | 0.11† | -0.06† | 0.04 | -0.2\*\* | -0.05 | 0.02 | 0.25\*\* | 0.4\*\* | -0.2\*\* | 0.74\* |  |
| 1. Number of Positive Words Endorsed | -0.67\*\* | -0.73\*\* | -0.61\*\* | -0.26\* | -0.36\*\* | -0.72\*\* | -0.26\*\* | 0.09 | 0.28\* | -0.35\*\* | -0.09 | -0.21\* | 0.04 | 0.05 | 0.41\*\* | 0.88\*\* | -0.43\*\* | -0.08 | 0.48\*\* |

Table S3.

*Correlation table for SRET outcome variables (numbered in the first column) and depression symptoms (column 1: score on the CDI:S) from the adolescent sample. \*\* = p < .001; \* = p < .01; † = p < .05.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** |
| 1. Number of Negative Words Endorsed | 0.7\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Self-Referential Negative Words Recalled | 0.58\*\* | 0.81\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Negative Words Recalled | 0.2† | 0.2† | 0.4\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. RT to Negative Words | 0.32\*\* | 0.32\*\* | 0.29\* | 0.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Drift Rate (v) to Negative Words | 0.61\*\* | 0.78\*\* | 0.59\*\* | 0.12 | 0.5\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Negative Words | 0.2 | 0.2 | 0.14 | 0.07 | 0.27 | 0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Threshold Separation (a) | -0.05 | -0.01 | -0.05 | 0.03 | 0.61\*\* | 0.21 | 0.11 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Differences in Speed of Response Execution (d) | -0.05 | -0.06 | 0.01 | 0 | 0 | -0.2† | 0.11 | -0.01 |  |  |  |  |  |  |  |  |  |  |  |
| 1. Response Time Constant (t0) | 0.24\* | 0.17\* | 0.23\* | 0.07 | 0.59\*\* | 0.22\* | -0.08 | 0 | -0.14† |  |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Drift (sv) | 0.03 | 0.02 | -0.01 | 0.01 | -0.09 | 0.01 | -0.18 | -0.21 | -0.1 | 0.15 |  |  |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Non-Decisional Components (st0) | 0.22\*\* | 0.29\*\* | 0.17\* | 0 | 0.45\*\* | 0.28\*\* | 0.21 | 0.16 | -0.11 | 0.39\*\* | 0 |  |  |  |  |  |  |  |  |
| 1. Percentage of Contaminants (p) | 0.04 | 0.01 | -0.04 | 0.04 | 0 | 0.02 | 0 | -0.02 | 0 | 0.06 | 0.11 | 0.07 |  |  |  |  |  |  |  |
| 1. Inter-Trial-Variability of Starting Point (szr) | -0.01 | -0.05 | 0.11 | 0.17 | 0.05 | -0.06 | 0.12 | 0.02 | -0.13 | 0.06 | -0.27† | -0.08 | -0.02 |  |  |  |  |  |  |
| 1. Relative Starting Point (zr) for Positive Words | -0.2\*\* | -0.2\*\* | -0.19\*\* | -0.02 | -0.11\* | -0.2\*\* | -0.15† | 0.05 | 0.12 | -0.03† | 0.15 | -0.17\* | 0.12 | -0.03 |  |  |  |  |  |
| 1. Drift Rate (v) to Positive Words | -0.56\*\* | -0.54\*\* | -0.46\*\* | -0.16 | -0.48\*\* | -0.65\*\* | -0.03 | -0.2 | 0.04 | -0.32\*\* | -0.07 | -0.31\*\* | -0.13 | -0.03 | 0.06\* |  |  |  |  |
| 1. RT to Positive Words | 0.29\*\* | 0.26\* | 0.25\* | 0.1 | 0.86\*\* | 0.47\*\* | 0.06 | 0.6\*\* | -0.15† | 0.61\*\* | -0.08 | 0.42\*\* | 0 | 0.09 | -0.25\* | -0.54\*\* |  |  |  |
| 1. Number of Positive Words Recalled | -0.16\* | -0.3\*\* | -0.15\* | 0.32 | -0.2\*\* | -0.24\*\* | -0.16† | -0.08 | 0 | -0.12† | 0.01 | -0.19\*\* | 0.04 | 0.07 | 0.14† | 0.19\* | -0.17\* |  |  |
| 1. Number of Self-Referential Positive Words Recalled | -0.29\*\* | -0.4\*\* | -0.27\*\* | 0.2 | -0.24\*\* | -0.36\*\* | -0.11† | -0.05 | 0.09 | -0.17\* | -0.02 | -0.23\*\* | 0.03 | 0.06 | 0.23\* | 0.39\*\* | -0.28\*\* | 0.88\*\* |  |
| 1. Number of Positive Words Endorsed | -0.61\*\* | -0.58\*\* | -0.52\*\* | -0.18† | -0.33\*\* | -0.59\*\* | -0.02 | 0.05 | 0.25† | -0.3\*\* | -0.06 | -0.26\*\* | -0.05 | 0.09 | 0.31\*\* | 0.73\*\* | -0.42\*\* | 0.2\* | 0.48\*\* |

Supplemental Figure Caption.

Figure S1.

Data distributions of depression symptom severity for all three samples. Depression for college student and MTurk samples was measured using the CES-D, which ranges from 0-60; for adolescents, with the CDI:S, which ranges from 0-20. The observed data is plotted as a histogram against density curves from (in blue) the Gaussian (normal) distribution and (in red) the negative binomial distribution. The normal curve used the mean and standard deviation of each sample; the dispersion parameter for the negative binomial distribution corresponds to the estimate of *θ* from the negative binomial model chosen by best subsets selection; the mean was the mean of each sample. The dispersion parameter was estimated as 6.13 (*SE* = 0.65) for the college student sample, as 2.34 (*SE* = 0.31) for the MTurk sample, and as 3.41 (*SE* = 1.05) for the adolescent sample.

