Table S1.

Descriptive statistics for PID-5 scales

|  |  |  |
| --- | --- | --- |
|  | PID-5 | PID-IRT |
|   | M | SD | Skew | Kurtosis | M | SD | Skew | Kurtosis |
| **Negative Affectivity** |  |  |  |  |  |  |  |  |
| Anxiousness | 1.26 | .69 |  .20 | -.51 | 1.27 | .79 |  .12 | -.75 |
| Emotional Lability | 1.12 | .70 |  .30 | -.50 | 0.98 | .75 |  .40 | -.58 |
| Hostility | 1.02 | .58 |  .36 | -.39 | 0.87 | .70 |  .59 | -.26 |
| Perseveration | 1.07 | .58 |  .06 | -.34 | 1.03 | .67 |  .26 | -.44 |
| (lack of) Restricted Affectivity | 1.03 | .60 |  .27 | -.57 | 1.08 | .67 |  .32 | -.57 |
| Separation Insecurity | 1.08 | .65 |  .17 | -.66 | 1.19 | .75 |  .17 | -.68 |
| Submissive | 1.30 | .65 | -.18 | -.57 | 1.30 | .65 | -.18 | -.57 |
| **Detachment** |  |  |  |  |  |  |  |  |
| Anhedonia | 0.91 | .54 |  .65 |  .19 | 0.73 | .66 |  .83 |  .08 |
| Depressivity | 0.70 | .63 |  .91 |  .16 | 0.56 | .69 |  1.18 |  .62 |
| Intimacy Avoidance | 0.74 | .61 |  .83 |  .29 | 0.71 | .71 |  .94 |  .24 |
| Suspiciousness | 1.02 | .52 |  .34 | -.10 | 0.89 | .63 |  .44 | -.39 |
| Withdrawal | 0.99 | .66 |  .43 | -.50 | 0.84 | .73 |  .62 | -.44 |
| **Psychoticism** |  |  |  |  |  |  |  |  |
| Eccentricity | 1.14 | .75 |  .17 | -.80 | 1.08 | .82 |  .29 | -.87 |
| Perceptual Dysregulation | 0.79 | .59 |  .56 | -.42 | 0.55 | .64 |  1.07 |  .29 |
| Unusual Beliefs and Experiences | 0.85 | .64 |  .48 | -.50 | 0.72 | .69 |  .71 | -.30 |
| **Antagonism** |  |  |  |  |  |  |  |  |
| Attention Seeking | 1.11 | .66 |  .09 | -.61 | 1.17 | .73 |  .08 | -.68 |
| Callousness | 0.60 | .53 |  .97 |  .26 | 0.54 | .63 |  1.15 |  .67 |
| Deceitfulness | 0.88 | .59 |  .35 | -.66 | 0.80 | .69 |  .53 | -.63 |
| Grandiosity | 0.90 | .62 |  .51 | -.34 | 0.75 | .70 |  .70 | -.34 |
| Manipulativeness | 1.05 | .66 |  .20 | -.59 | 0.97 | .68 |  .31 | -.61 |
| **Disinhibition** |  |  |  |  |  |  |  |  |
| Distractibility | 1.07 | .64 |  .18 | -.49 | 1.16 | .74 |  .16 | -.63 |
| Impulsivity | 0.95 | .62 |  .30 | -.62 | 0.97 | .72 |  .41 | -.60 |
| Irresponsibility | 0.69 | .54 |  .76 |  .11 | 0.64 | .62 |  .93 |  .36 |
| (lack of) Rigid Perfectionism | 1.22 | .60 |  .12 | -.38 | 1.11 | .70 |  .23 | -.54 |
| Risk Taking | 1.32 | .49 | -.16 |  .33 | 0.92 | .68 | .45 | -.46 |

Table S2.

PID-5 descriptive statistics by gender

|  |  |  |
| --- | --- | --- |
|  | PID-5 | PID-5 IRT |
|  | Men | Women |  | Men | Women |  |
|  | M | SD | M | SD | d | M | SD | M | SD | D |
| **Negative Affectivity** |  |  |  |  |  |  |  |  |  |  |
| Anxiousness | 1.23 | .68 | 1.29 | .70 | -.09 | 1.22 | .78 | 1.30 | .79 | -.11 |
| Emotional Lability | 1.05 | .66 | 1.17 | .72 | -.17 | 0.92 | .72 | 1.02 | .76 | -.14 |
| Hostility | 1.12 | .58 | 0.96 | .58 |  .28 | 0.94 | .73 | 0.82 | .68 |  .17 |
| Perseveration | 1.18 | .57 | 1.01 | .57 |  .30 | 1.13 | .67 | 0.97 | .66 |  .24 |
| (lack of) Restricted Affectivity | 1.27 | .56 | 0.88 | .58 |  .68 | 1.34 | .63 | 0.90 | .64 |  .69 |
| Separation Insecurity | 1.09 | .65 | 1.08 | .64 |  .02 | 1.17 | .72 | 1.21 | .76 | -.05 |
| Submissiveness | 1.32 | .63 | 1.29 | .66 |  .05 | 1.32 | .63 | 1.29 | .66 |  .05 |
| **Detachment** |  |  |  |  |  |  |  |  |  |  |
| Anhedonia | 1.01 | .56 | 0.85 | .52 |  .30 | 0.85 | .70 | 0.64 | .63 |  .32 |
| Depressivity | 0.79 | .66 | 0.64 | .60 |  .24 | 0.67 | .73 | 0.49 | .65 |  .26 |
| Intimacy Avoidance | 0.81 | .63 | 0.68 | .59 |  .21 | 0.80 | .72 | 0.64 | .70 |  .23 |
| Suspiciousness | 1.11 | .51 | 0.96 | .52 |  .29 | 1.02 | .63 | 0.80 | .62 |  .35 |
| Withdrawal | 1.13 | .67 | 0.90 | .64 |  .35 | 0.99 | .75 | 0.74 | .70 |  .35 |
| **Psychoticism** |  |  |  |  |  |  |  |  |  |  |
| Eccentricity | 1.30 | .67 | 1.04 | .78 |  .36 | 1.24 | .76 | 0.96 | .84 |  .35 |
| Perceptual Dysregulation | 0.90 | .60 | 0.71 | .57 |  .32 | 0.69 | .69 | 0.45 | .59 |  .37 |
| Unusual Beliefs and Experiences | 1.01 | .62 | 0.74 | .62 |  .44 | 0.87 | .71 | 0.63 | .66 |  .35 |
| **Antagonism** |  |  |  |  |  |  |  |  |  |  |
| Attention Seeking | 1.24 | .66 | 1.02 | .64 |  .34 | 1.28 | .73 | 1.09 | .72 |  .26 |
| Callousness | 0.79 | .56 | 0.47 | .47 |  .62 | 0.73 | .68 | 0.42 | .56 |  .50 |
| Deceitfulness | 1.03 | .56 | 0.77 | .58 |  .46 | 0.98 | .68 | 0.68 | .66 |  .45 |
| Grandiosity | 1.10 | .64 | 0.78 | .57 |  .53 | 0.96 | .74 | 0.61 | .63 |  .51 |
| Manipulative | 1.23 | .65 | 0.93 | .64 |  .47 | 1.16 | .68 | 0.83 | .65 |  .50 |
| **Disinhibition** |  |  |  |  |  |  |  |  |  |  |
| Distractibility | 1.14 | .64 | 1.02 | .63 |  .19 | 1.19 | .73 | 1.13 | .75 |  .08 |
| Impulsivity | 1.08 | .61 | 0.87 | .61 |  .34 | 1.12 | .72 | 0.87 | .71 |  .35 |
| Irresponsibility | 0.83 | .58 | 0.60 | .48 |  .43 | 0.79 | .66 | 0.54 | .56 |  .41 |
| (lack of) Rigid Perfectionism | 1.29 | .58 | 1.17 | .61 |  .20 | 1.20 | .68 | 1.05 | .70 |  .22 |
| Risk Taking | 1.44 | .45 | 1.24 | .50 |  .42 | 1.13 | .66 | 0.78 | .66 |  .53 |

Gender differences (ds) across long and short are correlated at .96.

Table S3. Coefficient alpha for the PID-5 and IRT selected PID-5 items in each individual sample

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | S1 | S2 | S3 | S4 |
|  | O | R | O | R | O | R | O | R |
| **Negative Affectivity** | .91 | .88 | .93 | .90 | .95 | .93 | .91 | .87 |
| Anxiousness | .85 | .81 | .89 | .84 | .94 | .91 | .87 | .79 |
| Emotional Lability | .86 | .82 | .86 | .85 | .93 | .91 | .86 | .84 |
| Hostility | .84 | .78 | .86 | .83 | .87 | .84 | .85 | .81 |
| Perseveration | .82 | .76 | .88 | .83 | .87 | .82 | .83 | .78 |
| (lack of) Restricted Affectivity | .78 | .72 | .79 | .71 | .83 | .80 | .79 | .76 |
| Separation Insecurity | .77 | .72 | .83 | .74 | .86 | .85 | .80 | .77 |
| Submissiveness  | .76 | .76 | .76 | .76 | .82 | .82 | .75 | .75 |
| **Detachment** | .89 | .89 | .92 | .89 | .95 | .90 | .91 | .85 |
| Anhedonia | .55 | .79 | .82 | .84 | .90 | .85 | .81 | .75 |
| Depressivity | .93 | .86 | .94 | .86 | .94 | .89 | .93 | .85 |
| Intimacy Avoidance | .57 | .77 | .84 | .84 | .86 | .83 | .81 | .78 |
| Suspiciousness | .59 | .75 | .68 | .75 | .79 | .74 | .69 | .67 |
| Withdrawal | .89 | .83 | .89 | .82 | .93 | .88 | .88 | .80 |
| **Psychoticism** | .96 | .90 | .96 | .91 | .95 | .87 | .95 | .89 |
| Eccentricity | .94 | .86 | .94 | .87 | .96 | .91 | .95 | .88 |
| Perceptual Dysregulation | .88 | .81 | .91 | .84 | .84 | .62 | .87 | .82 |
| Unusual Beliefs and Experiences | .84 | .76 | .86 | .81 | .84 | .75 | .81 | .75 |
| **Antagonism** | .90 | .89 | .93 | .91 | .92 | .89 | .93 | .91 |
| Attention Seeking | .86 | .82 | .89 | .85 | .89 | .87 | .88 | .86 |
| Callousness | .88 | .83 | .93 | .86 | .89 | .82 | .89 | .86 |
| Deceitfulness | .83 | .79 | .87 | .81 | .90 | .81 | .89 | .82 |
| Grandiosity | .80 | .79 | .84 | .83 | .77 | .84 | .82 | .83 |
| Manipulativeness | .75 | .75 | .82 | .80 | .84 | .81 | .83 | .82 |
| **Disinhibition** | .89 | .87 | .94 | .90 | .93 | .88 | .92 | .88 |
| Distractibility | .87 | .81 | .90 | .84 | .92 | .90 | .89 | .86 |
| Impulsivity | .69 | .84 | .84 | .82 | .88 | .88 | .86 | .84 |
| Irresponsibility | .65 | .76 | .85 | .81 | .75 | .62 | .83 | .79 |
| (lack of) Rigid Perfectionism | .85 | .77 | .87 | .78 | .90 | .84 | .88 | .83 |
| Risk Taking | .75 | .79 | .82 | .83 | .90 | .80 | .88 | .84 |
| **Mean** | .84 | .81 | .88 | .84 | .90 | .85 | .87 | .82 |

Note. O = original, full length PID-5 scales; R = reduced item PID-5 scales. S1= Sample 1, Gore & Widiger, 2013; S2= Sample 2, Miller, Gentile, Wilson, & Campbell, 2013; S3= Sample 3, Rojas & Widiger, 2013; S4=Sample 4, Griffin & Samuel, in press.

Figures S1-S25. TIFs for original and reduced PID-5 scales.

*Figure 1.* Test information functions (TIFs) for the original PID-5 Anxiousness scale and the reduced version.

*Figure 2.* Test information functions (TIFs) for the original PID-5 Emotional Lability scale and the reduced version.

*Figure 3.* Test information functions (TIFs) for the original PID-5 Hostility scale and the reduced version.

*Figure 4.* Test information functions (TIFs) for the original PID-5 Perseveration scale and the reduced version.

*Figure 5.* Test information functions (TIFs) for the original PID-5 Restricted Affectivity scale and the reduced version.

*Figure 6.* Test information functions (TIFs) for the original PID-5 Separation Insecurity scale and the reduced version.

*Figure 7.* Test information functions (TIFs) for the original and reduced PID-5 Submissiveness scale.

*Figure 8.* Test information functions (TIFs) for the original PID-5 Anhedonia scale and the reduced version.

*Figure 9.* Test information functions (TIFs) for the original PID-5 Depressivity scale and the reduced version.

*Figure 10.* Test information functions (TIFs) for the original PID-5 Intimacy Avoidance scale and the reduced version.

*Figure 11.* Test information functions (TIFs) for the original PID-5 Suspiciousness scale and the reduced version.

*Figure 12.* Test information functions (TIFs) for the original PID-5 Withdrawal scale and the reduced version.

*Figure 13.* Test information functions (TIFs) for the original PID-5 Eccentricity scale and the reduced version.

*Figure 14.* Test information functions (TIFs) for the original PID-5 Perceptual Dysregulation scale and the reduced version.

*Figure 15.* Test information functions (TIFs) for the original PID-5 Unusual Beliefs scale and the reduced version.

*Figure 16.* Test information functions (TIFs) for the original PID-5 Attention Seeking scale and the reduced version.

*Figure 17.* Test information functions (TIFs) for the original PID-5 Callousness scale and the reduced version.

*Figure 18.* Test information functions (TIFs) for the original PID-5 Deceitfulness scale and the reduced version.

*Figure 19.* Test information functions (TIFs) for the original PID-5 Grandiosity scale and the reduced version.

*Figure 20.* Test information functions (TIFs) for the original PID-5 Manipulativeness scale and the reduced version.

*Figure 21.* Test information functions (TIFs) for the original PID-5 Distractability scale and the reduced version.

*Figure 22.* Test information functions (TIFs) for the original PID-5 Impulsivity scale and the reduced version.

*Figure 23.* Test information functions (TIFs) for the original PID-5 Irresponsibility scale and the reduced version.

*Figure 24.* Test information functions (TIFs) for the original PID-5 Rigid Perfectionism scale and the reduced version.

*Figure 25.* Test information functions (TIFs) for the original PID-5 Risk Taking scale and the reduced version.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Item | PID-5 | Reduced PID-5 |
| Table S3. IRT parameters for full and reduced PID-5 scales.  |  | *a* | *b1* | *b2* | *b3* | *a* | *b1* | *b2* | *b3* |
| **Negative Affectivity** |  |  |  |  |  |  |  |  |  |
| Anxiousness | 79.  | 2.43 | -0.81 | 0.23 | 1.52 | 2.65 | -0.80 | 0.22 | 1.49 |
|  | 93.  | 1.70 | -0.92 | 0.15 | 1.76 |  |  |  |  |
|  | 95. | 1.78 | -1.13 | 0.06 | 1.67 |  |  |  |  |
|  | 96.\* | 0.56 | -1.77 | 0.09 | 2.81 |  |  |  |  |
|  | 109.  | 3.33 | -0.83 | 0.05 | 1.22 | 2.63 | -0.91 | 0.05 | 1.33 |
|  | 110.  | 3.45 | -0.49 | 0.42 | 1.37 |  |  |  |  |
|  | 130.  | 2.22 | -0.84 | 0.20 | 1.49 | 2.19 | -0.86 | 0.20 | 1.50 |
|  | 141. | 1.94 | -0.66 | 0.58 | 1.95 |  |  |  |  |
|  | 174.  | 2.55 | -0.52 | 0.50 | 1.88 | 2.66 | -0.53 | 0.50 | 1.86 |
| Emotional Lability | 18.  | 1.62 | -1.05 | 0.08 | 1.73 |  |  |  |  |
|  | 62.  | 1.81 | -0.82 | 0.56 | 2.01 |  |  |  |  |
|  | 102.  | 1.92 | -1.25 | 0.17 | 1.48 |  |  |  |  |
|  | 122. | 3.48 | -0.59 | 0.43 | 1.52 | 2.77 | -0.63 | 0.47 | 1.62 |
|  | 138. | 2.42 | -0.39 | 0.74 | 1.99 | 2.70 | -0.37 | 0.73 | 1.91 |
|  | 165.  | 2.84 | -0.19 | 0.88 | 2.02 | 2.96 | -0.18 | 0.88 | 1.98 |
|  | 181.  | 2.34 | -0.47 | 0.73 | 2.05 | 2.59 | -0.45 | 0.72 | 1.96 |
| Hostility | 28.  | 2.03 | -0.47 | 0.73 | 2.23 |  |  |  |  |
|  | 32.  | 0.85 | -2.56 | -0.71 | 2.14 |  |  |  |  |
|  | 38.  | 3.14 | -0.23 | 0.77 | 1.89 | 4.06 | -0.24 | 0.72 | 1.82 |
|  | 85.  | 0.94 | -1.49 | 0.69 | 2.90 |  |  |  |  |
|  | 92. | 2.46 | -0.42 | 0.67 | 1.89 | 2.67 | -0.42 | 0.64 | 1.85 |
|  | 116.  | 1.47 | -0.34 | 1.14 | 2.72 |  |  |  |  |
|  | 158.  | 2.15 | -0.54 | 0.61 | 2.09 | 2.07 | -0.56 | 0.60 | 2.15 |
|  | 170.  | 2.10 | 0.41 | 1.46 | 2.53 | 1.76 | 0.42 | 1.58 | 2.79 |
|  | 188.  | 1.34 | -1.05 | 0.48 | 2.30 |  |  |  |  |
|  | 216.  | 1.97 | -0.04 | 1.00 | 2.40 |  |  |  |  |
| Perseveration | 46.  | 1.12 | -1.40 | 0.41 | 2.84 |  |  |  |  |
|  | 51. | 1.23 | -1.08 | 0.63 | 2.70 |  |  |  |  |
|  | 60.  | 2.00 | -0.61 | 0.89 | 2.36 | 2.31 | -0.60 | 0.84 | 2.26 |
|  | 78.  | 1.62 | -0.63 | 1.09 | 2.65 |  |  |  |  |
|  | 80.  | 2.68 | -0.58 | 0.67 | 2.10 | 2.72 | -0.61 | 0.66 | 2.15 |
|  | 100.  | 1.82 | -0.88 | 0.35 | 1.98 | 1.47 | -1.00 | 0.36 | 2.25 |
|  | 121.  | 1.81 | -0.78 | 0.57 | 2.25 |  |  |  |  |
|  | 128.  | 3.07 | -0.34 | 0.83 | 2.25 | 3.24 | -0.37 | 0.82 | 2.29 |
|  | 137.  | 1.71 | -0.78 | 0.74 | 2.75 |  |  |  |  |
| (lack of) Restricted Affectivity | 8.  | 1.78 | -0.06 | 1.11 | 2.57 |  |  |  |  |
|  | 45.  | 1.23 | -0.78 | 1.01 | 3.06 |  |  |  |  |
|  | 84.  | 1.93 | -0.43 | 0.90 | 2.30 | 2.08 | -0.43 | 0.86 | 2.23 |
|  | 91.  | 1.62 | -1.33 | 0.24 | 1.88 | 1.81 | -1.26 | 0.23 | 1.79 |
|  | 101.  | 1.27 | -0.97 | 0.50 | 2.59 |  |  |  |  |
|  | 167.  | 1.97 | -0.55 | 0.80 | 2.25 | 1.90 | -0.57 | 0.81 | 2.31 |
|  | 184.  | 1.84 | -0.61 | 0.72 | 2.18 | 1.68 | -0.64 | 0.74 | 2.29 |
| Separation Insecurity | 12.  | 1.50 | -1.37 | -0.12 | 1.22 |  |  |  |  |
|  | 50.  | 2.47 | -0.91 | 0.14 | 1.29 | 2.70 | -0.88 | 0.12 | 1.26 |
|  | 57.  | 1.14 | 0.54 | 1.84 | 3.57 |  |  |  |  |
|  | 64.  | 1.45 | 0.06 | 1.39 | 2.85 |  |  |  |  |
|  | 127.  | 2.74 | -0.50 | 0.45 | 1.49 | 3.14 | -0.49 | 0.41 | 1.45 |
|  | 149.  | 1.55 | -0.37 | 0.94 | 2.45 | 1.34 | -0.42 | 1.01 | 2.69 |
|  | 175.  | 1.71 | -0.98 | 0.26 | 1.59 | 1.55 | -1.03 | 0.26 | 1.68 |
| Submissiveness  | 9.  | 1.58 | -1.50 | 0.06 | 2.03 | 1.58 | -1.50 | 0.06 | 2.03 |
|  | 15.  | 2.01 | -1.04 | 0.32 | 2.12 | 2.01 | -1.04 | 0.32 | 2.12 |
|  | 63.  | 2.51 | -0.90 | 0.47 | 2.17 | 2.51 | -0.90 | 0.47 | 2.17 |
|  | 202.  | 2.00 | -1.13 | 0.04 | 2.15 | 2.00 | -1.13 | 0.04 | 2.15 |
| **Detachment** |  |  |  |  |  |  |  |  |  |
| Anhedonia | 1.  | 1.43 | -1.34 | 0.33 | 2.55 |  |  |  |  |
|  | 23.  | 2.11 | -0.19 | 1.14 | 2.27 | 2.02 | -0.20 | 1.16 | 2.34 |
|  | 26.  | 2.80 | 0.34 | 1.30 | 2.23 | 2.78 | 0.33 | 1.31 | 2.26 |
|  | 30.\* | 0.52 | -2.37 | 1.84 | 5.95 |  |  |  |  |
|  | 124.  | 2.34 | -0.34 | 0.92 | 2.11 | 2.37 | -0.35 | 0.91 | 2.10 |
|  | 155.\* | 0.54 | -2.58 | 1.57 | 5.08 |  |  |  |  |
|  | 157.  | 3.02 | 0.07 | 1.17 | 2.17 | 3.02 | 0.07 | 1.17 | 2.19 |
|  | 189.  | 2.08 | -0.31 | 1.03 | 2.31 |  |  |  |  |
| Depressivity | 27. | 2.20 | -0.23 | 0.79 | 2.04 |  |  |  |  |
|  | 61.  | 2.35 | -0.40 | 0.76 | 1.78 |  |  |  |  |
|  | 66.  | 2.97 | 0.07 | 1.06 | 1.94 |  |  |  |  |
|  | 81. | 3.29 | 0.62 | 1.34 | 2.14 | 3.09 | 0.62 | 1.38 | 2.23 |
|  | 86.  | 1.50 | -0.67 | 0.60 | 2.00 |  |  |  |  |
|  | 104.  | 2.46 | -0.37 | 0.69 | 1.81 |  |  |  |  |
|  | 119.  | 2.43 | 0.87 | 1.55 | 2.45 |  |  |  |  |
|  | 148.  | 3.83 | 0.49 | 1.18 | 2.02 |  |  |  |  |
|  | 151.  | 3.29 | 0.15 | 0.98 | 1.98 | 3.05 | 0.12 | 1.01 | 1.96 |
|  | 163.  | 3.31 | 0.21 | 1.10 | 2.03 | 3.71 | 0.20 | 1.10 | 2.01 |
|  | 168.  | 2.73 | -0.13 | 0.84 | 2.02 |  |  |  |  |
|  | 169.  | 3.96 | 0.47 | 1.28 | 2.10 | 3.82 | 0.46 | 1.31 | 2.16 |
|  | 178.  | 2.69 | 0.98 | 1.61 | 2.50 |  |  |  |  |
|  | 212. | 1.84 | -0.25 | 1.08 | 2.39 |  |  |  |  |
| Intimacy Avoidance | 89. | 3.36 | 0.15 | 1.12 | 1.90 | 3.27 | 0.15 | 1.13 | 1.93 |
|  | 97.\* | 0.56 | -0.58 | 2.15 | 6.30 |  |  |  |  |
|  | 108.  | 1.66 | 0.01 | 1.27 | 2.62 |  |  |  |  |
|  | 120.  | 1.65 | 0.14 | 1.19 | 2.15 | 1.65 | 0.13 | 1.18 | 2.15 |
|  | 145.  | 3.43 | 0.03 | 0.95 | 1.81 | 3.38 | 0.02 | 0.95 | 1.83 |
|  | 203.  | 2.83 | 0.15 | 1.12 | 1.98 | 2.85 | 0.14 | 1.12 | 1.98 |
| Suspiciousness | 2.  | 1.70 | 0.35 | 1.45 | 3.16 | 1.79 | 0.34 | 1.42 | 3.07 |
|  | 103.  | 1.36 | -1.42 | 0.14 | 2.09 |  |  |  |  |
|  | 117.  | 1.71 | -0.89 | 0.38 | 1.97 | 1.55 | -0.94 | 0.40 | 2.09 |
|  | 131.\* | 0.44 | -2.79 | 2.26 | 6.06 |  |  |  |  |
|  | 133.  | 2.25 | -0.69 | 0.87 | 2.40 | 2.27 | -0.68 | 0.88 | 2.39 |
|  | 177.\* | 0.54 | -1.63 | 1.62 | 4.64 |  |  |  |  |
|  | 190.  | 1.96 | -0.07 | 1.11 | 2.38 | 2.11 | -0.06 | 1.09 | 2.30 |
| Withdrawal | 10. | 1.50 | -0.89 | 0.53 | 2.12 |  |  |  |  |
|  | 20.  | 1.52 | -1.57 | -0.23 | 1.44 |  |  |  |  |
|  | 75.  | 2.04 | -0.37 | 0.89 | 2.24 |  |  |  |  |
|  | 82.  | 2.81 | -0.34 | 0.56 | 1.79 | 2.31 | -0.38 | 0.60 | 1.93 |
|  | 136.  | 2.80 | -0.14 | 1.05 | 2.21 | 3.41 | -0.14 | 1.02 | 2.10 |
|  | 146.  | 2.46 | 0.23 | 1.25 | 2.27 | 2.47 | 0.22 | 1.26 | 2.27 |
|  | 147.  | 2.21 | -0.41 | 0.74 | 2.13 |  |  |  |  |
|  | 161.  | 2.42 | -0.24 | 0.82 | 2.01 |  |  |  |  |
|  | 182.  | 2.33 | -0.57 | 0.62 | 1.97 |  |  |  |  |
|  | 186.  | 2.90 | -0.28 | 0.67 | 1.64 | 2.87 | -0.28 | 0.69 | 1.67 |
| **Psychoticism** |  |  |  |  |  |  |  |  |  |
| Eccentricity | 5.  | 1.94 | -0.89 | 0.16 | 1.46 |  |  |  |  |
|  | 21.  | 2.62 | -1.00 | 0.12 | 1.49 |  |  |  |  |
|  | 24.  | 2.72 | -0.54 | 0.50 | 1.73 |  |  |  |  |
|  | 25. | 3.11 | -0.47 | 0.41 | 1.52 | 2.76 | -0.52 | 0.40 | 1.61 |
|  | 33.  | 2.12 | -1.05 | 0.05 | 1.47 |  |  |  |  |
|  | 52.  | 3.04 | -0.60 | 0.45 | 1.65 |  |  |  |  |
|  | 55.  | 2.78 | -0.31 | 0.63 | 1.77 |  |  |  |  |
|  | 70.  | 3.23 | -0.49 | 0.46 | 1.64 | 2.79 | -0.54 | 0.46 | 1.74 |
|  | 71.  | 2.96 | -0.44 | 0.49 | 1.59 |  |  |  |  |
|  | 152.  | 3.50 | -0.29 | 0.54 | 1.72 | 3.87 | -0.38 | 0.43 | 1.61 |
|  | 172.  | 2.34 | -0.39 | 0.43 | 1.79 |  |  |  |  |
|  | 185.  | 2.54 | -0.39 | 0.53 | 1.89 |  |  |  |  |
|  | 205. | 3.23 | -0.35 | 0.45 | 1.59 | 3.35 | -0.38 | 0.43 | 1.61 |
| Perceptual Dysregulation | 36.  | 2.10 | 0.17 | 1.13 | 2.24 |  |  |  |  |
|  | 37.  | 2.82 | 0.49 | 1.19 | 2.04 |  |  |  |  |
|  | 42.  | 1.47 | 0.01 | 1.19 | 2.80 |  |  |  |  |
|  | 44.  | 2.80 | 0.37 | 1.20 | 2.15 | 2.23 | 0.37 | 1.32 | 2.41 |
|  | 59.  | 1.06 | -1.03 | 0.38 | 2.32 |  |  |  |  |
|  | 77.  | 1.88 | -0.14 | 0.94 | 2.52 |  |  |  |  |
|  | 83.  | 1.38 | -0.63 | 0.59 | 2.33 |  |  |  |  |
|  | 154.  | 2.63 | 0.54 | 1.26 | 2.46 | 3.23 | 0.51 | 1.24 | 2.36 |
|  | 192.  | 2.96 | 0.71 | 1.37 | 2.26 | 3.95 | 0.67 | 1.34 | 2.15 |
|  | 193.  | 1.74 | -0.17 | 0.73 | 2.20 |  |  |  |  |
|  | 213.  | 1.45 | -0.5 | 0.65 | 2.39 |  |  |  |  |
|  | 217.  | 3.06 | 0.13 | 1.06 | 1.97 | 2.25 | 0.11 | 1.19 | 2.28 |
| Unusual Beliefs and Experiences | 94.  | 1.46 | -0.73 | 0.46 | 2.16 |  |  |  |  |
|  | 99.  | 1.86 | -0.24 | 0.73 | 2.14 |  |  |  |  |
|  | 106.  | 2.71 | 0.10 | 0.99 | 2.00 | 2.52 | 0.08 | 1.01 | 2.08 |
|  | 139.  | 2.89 | 0.16 | 1.08 | 2.04 | 3.57 | 0.25 | 1.05 | 1.96 |
|  | 143.  | 1.87 | 0.18 | 1.16 | 2.38 |  |  |  |  |
|  | 150.  | 1.96 | 0.11 | 1.17 | 2.58 | 1.82 | 0.40 | 1.21 | 2.69 |
|  | 194.  | 1.27 | 0.12 | 0.51 | 2.30 | 1.89 | -0.14 | 0.86 | 2.03 |
|  | 209.  | 2.08 | 0.08 | 0.83 | 1.92 |  |  |  |  |
| **Antagonism** |  |  | 0.11 |  |  |  |  |  |  |
| Attention Seeking | 14.  | 2.13 | -0.58 | 0.64 | 2.15 |  |  |  |  |
|  | 43.  | 1.68 | -0.11 | 1.10 | 2.59 |  |  |  |  |
|  | 74.  | 2.76 | -0.92 | 0.21 | 1.70 | 2.82 | -0.92 | 0.19 | 1.71 |
|  | 111. | 1.94 | -0.85 | 0.39 | 1.87 |  |  |  |  |
|  | 113.  | 1.50 | -1.03 | 0.63 | 2.36 |  |  |  |  |
|  | 173.  | 2.66 | -0.95 | 0.12 | 1.67 | 2.68 | -0.95 | 0.11 | 1.69 |
|  | 191.  | 2.37 | -0.32 | 0.71 | 2.08 | 2.29 | -0.34 | 0.71 | 2.13 |
|  | 211. | 3.06 | -0.65 | 0.56 | 1.89 | 3.11 | -0.65 | 0.55 | 1.91 |
| Callousness | 11.  | 1.82 | 0.97 | 1.78 | 2.85 |  |  |  |  |
|  | 13.  | 2.07 | 0.47 | 1.47 | 2.67 |  |  |  |  |
|  | 19. | 2.98 | 0.44 | 1.42 | 2.24 | 2.67 | 0.44 | 1.47 | 2.36 |
|  | 54. | 2.85 | 0.36 | 1.36 | 2.19 |  |  |  |  |
|  | 72.  | 3.12 | 0.30 | 1.34 | 2.29 |  |  |  |  |
|  | 73.  | 1.41 | -0.45 | 0.88 | 2.76 |  |  |  |  |
|  | 90.\* | 0.35 | -0.99 | 2.29 | 8.21 |  |  |  |  |
|  | 153.  | 3.67 | 0.43 | 1.39 | 2.19 | 4.02 | 0.42 | 1.34 | 2.16 |
|  | 166.  | 3.58 | 0.43 | 1.39 | 2.19 | 3.81 | 0.42 | 1.39 | 2.20 |
|  | 183.  | 2.34 | 0.01 | 1.23 | 2.45 | 2.24 | 0.01 | 1.25 | 2.53 |
|  | 198.  | 2.33 | 0.73 | 1.56 | 2.58 |  |  |  |  |
|  | 200.  | 1.60 | 0.00 | 1.29 | 2.77 |  |  |  |  |
|  | 207.  | 2.63 | 0.26 | 1.40 | 2.34 |  |  |  |  |
|  | 208.  | 2.15 | 0.19 | 1.36 | 2.65 |  |  |  |  |
| Deceitfulness | 41.  | 1.81 | 0.04 | 1.20 | 2.45 |  |  |  |  |
|  | 53.  | 2.30 | 0.04 | 1.02 | 2.21 | 2.07 | 0.01 | 1.06 | 2.34 |
|  | 56.  | 2.20 | -0.07 | 1.04 | 2.26 |  |  |  |  |
|  | 76.  | 1.94 | -0.64 | 0.53 | 2.03 |  |  |  |  |
|  | 126.  | 2.11 | -0.70 | 0.51 | 2.15 |  |  |  |  |
|  | 134.  | 2.21 | 0.01 | 1.13 | 2.25 | 2.45 | -0.01 | 1.10 | 2.21 |
|  | 142.\* | 0.38 | -2.13 | 3.66 | 10.02 |  |  |  |  |
|  | 206.  | 2.53 | 0.10 | 1.15 | 2.41 | 2.71 | 0.07 | 1.14 | 2.39 |
|  | 214.  | 2.08 | -0.29 | 0.80 | 2.12 |  |  |  |  |
|  | 218.  | 2.77 | -0.42 | 0.54 | 1.93 | 2.35 | -0.47 | 0.56 | 2.09 |
| Grandiosity | 40.  | 2.89 | 0.12 | 1.07 | 2.03 | 2.95 | 0.12 | 1.07 | 2.02 |
|  | 65.  | 1.20 | -1.64 | 0.09 | 2.47 |  |  |  |  |
|  | 114.  | 3.19 | -0.15 | 0.90 | 1.83 | 2.94 | -0.16 | 0.93 | 1.88 |
|  | 179.  | 1.18 | -0.86 | 0.98 | 2.96 |  |  |  |  |
|  | 187.  | 2.30 | 0.05 | 1.19 | 2.34 | 2.33 | 0.05 | 1.19 | 2.33 |
|  | 197.  | 2.35 | -0.12 | 1.09 | 2.23 | 2.43 | -0.12 | 1.08 | 2.20 |
| Manipulativeness | 107.  | 1.91 | -0.93 | 0.37 | 2.17 | 1.71 | -0.98 | 0.39 | 2.30 |
|  | 125.  | 2.37 | -0.63 | 0.46 | 2.04 | 1.95 | -0.68 | 0.49 | 2.21 |
|  | 162.  | 2.27 | -0.04 | 1.06 | 2.30 | 2.64 | -0.03 | 1.02 | 2.17 |
|  | 180.  | 1.63 | -1.17 | 0.02 | 1.97 |  |  |  |  |
|  | 219.  | 2.60 | -0.10 | 1.03 | 2.26 | 3.15 | -0.10 | 0.99 | 2.12 |
| **Disinhibition** |  |  |  |  |  |  |  |  |  |
| Distractibility | 6.  | 1.49 | -1.20 | 0.16 | 1.91 |  |  |  |  |
|  | 29.  | 2.37 | -0.32 | 0.95 | 2.20 |  |  |  |  |
|  | 47.  | 1.53 | -0.60 | 0.92 | 2.54 |  |  |  |  |
|  | 68.  | 2.07 | -0.46 | 0.96 | 2.39 |  |  |  |  |
|  | 88.  | 1.86 | -0.38 | 1.15 | 2.66 |  |  |  |  |
|  | 118.  | 2.79 | -0.66 | 0.45 | 1.78 | 2.57 | -0.70 | 0.44 | 1.86 |
|  | 132.  | 2.52 | -1.09 | 0.08 | 1.52 | 2.95 | -1.05 | 0.06 | 1.46 |
|  | 144.  | 2.74 | -0.55 | 0.59 | 1.93 | 2.68 | -0.58 | 0.58 | 1,97 |
|  | 199.  | 2.70 | -0.43 | 0.61 | 1.93 | 2.85 | -0.44 | 0.59 | 1.93 |
| Impulsivity | 4.  | 2.75 | -0.34 | 0.80 | 1.98 | 2.49 | -0.36 | 0.82 | 2.05 |
|  | 16.  | 3.24 | -0.39 | 0.71 | 1.78 | 3.52 | -0.39 | 0.69 | 1.76 |
|  | 17. | 2.79 | -0.21 | 0.85 | 1.99 | 2.96 | -0.22 | 0.83 | 1.97 |
|  | 22.  | 2.20 | -0.83 | 0.61 | 2.07 | 2.09 | -0.85 | 0.61 | 2.13 |
|  | 58.\* | 0.51 | -1.22 | 3.23 | 8.24 |  |  |  |  |
|  | 204. | 2.08 | -0.58 | 0.74 | 2.31 |  |  |  |  |
| Irresponsibility | 31.  | 1.77 | 0.06 | 1.40 | 2.72 |  |  |  |  |
|  | 129.  | 2.06 | -0.08 | 1.22 | 2.61 | 2.05 | -0.09 | 1.22 | 2.65 |
|  | 156.  | 2.11 | -0.05 | 1.26 | 2.67 | 2.05 | -0.05 | 1.28 | 2.74 |
|  | 160.  | 1.99 | 0.19 | 1.25 | 2.48 | 1.95 | 0.18 | 1.25 | 2.51 |
|  | 171.  | 2.65 | 0.57 | 1.42 | 2.33 | 2.61 | 0.56 | 1.43 | 2.35 |
|  | 201.  | 1.86 | 0.18 | 1.26 | 2.55 |  |  |  |  |
|  | 210.\* | 0.44 | -1.68 | 2.86 | 8.21 |  |  |  |  |
| (lack of) Rigid Perfectionism | 34.  | 1.75 | -0.83 | 0.47 | 2.12 |  |  |  |  |
|  | 49.  | 1.40 | -1.33 | 0.25 | 2.20 |  |  |  |  |
|  | 105.  | 1.88 | -1.13 | 0.46 | 2.10 | 2.12 | -1.08 | 0.43 | 1.99 |
|  | 115.  | 1.57 | -0.38 | 1.03 | 2.74 |  |  |  |  |
|  | 123.  | 2.75 | -0.45 | 0.60 | 1.88 | 3.09 | -0.44 | 0.58 | 1.83 |
|  | 135.  | 1.47 | -1.74 | -0.23 | 1.79 |  |  |  |  |
|  | 140.  | 1.56 | 1.61 | -0.26 | 1.90 |  |  |  |  |
|  | 176.  | 2.38 | -0.82 | 0.35 | 1.84 | 2.41 | -0.83 | 0.34 | 1.84 |
|  | 196.  | 1.97 | -0.56 | 0.82 | 2.35 | 1.76 | -0.60 | 0.86 | 2.48 |
|  | 220.  | 1.71 | -1.07 | 0.32 | 2.13 |  |  |  |  |
| Risk Taking | 3.  | 1.56 | 0.04 | 1.28 | 2.85 |  |  |  |  |
|  | 7.\* | 1.22 | -1.44 | 0.47 | 2.29 |  |  |  |  |
|  | 35.\* | 1.02 | -2.01 | -0.20 | 1.56 |  |  |  |  |
|  | 39. | 2.40 | 0.10 | 1.11 | 2.28 | 2.47 | 0.05 | 1.13 | 2.35 |
|  | 48.  | 3.36 | -0.23 | 0.74 | 1.87 | 3.68 | -0.30 | 0.75 | 1.95 |
|  | 67. | 2.76 | -0.86 | 0.27 | 1.64 | 2.08 | -1.01 | 0.26 | 1.91 |
|  | 69.  | 1.44 | -1.32 | 0.24 | 2.16 |  |  |  |  |
|  | 87.\* | 0.71 | -4.54 | -1.49 | 1.64 |  |  |  |  |
|  | 98.\* | 1.23 | -1.90 | 0.44 | 2.34 |  |  |  |  |
|  | 112.  | 0.90 | -3.42 | -1.36 | 2.03 |  |  |  |  |
|  | 159.  | 2.08 | -0.15 | 1.04 | 2.41 | 2.12 | -0.19 | 1.06 | 2.46 |
|  | 164.\* | 0.65 | -4.63 | -1.85 | 1.32 |  |  |  |  |
|  | 195.  | 1.91 | -0.19 | 1.04 | 2.40 |  |  |  |  |
|  | 215.\* | 0.77 | -3.84 | -1.15 | 1.75 |  |  |  |  |

*\* Indicates Reverse Scoring*

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*Figure 26.* Test information functions (TIFs) for the original PID-5 Emotional Lability scale and three, four, and five item reduced versions.

*Figure 27.* Test information functions (TIFs) for the original PID-5 Intimacy Avoidance scale and three, four, and five item reduced versions.

*Figure 28.* Test information functions (TIFs) for the original PID-5 Distractability scale and three, four, and five item reduced versions.

*Figure 29.* Test information functions (TIFs) for the original PID-5 Distractability scale and three, four, and five item reduced versions.

*Figure 30.* Test information functions (TIFs) for the original PID-5 Eccentricity scale and three, four, and five item reduced versions.

Table S4. RMSEA values for the randomly selected PID-5 original and three, four, and five item scales

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Emotional Lability | Intimacy Avoidance | Grandiosity | Distractability | Eccentricity |
| Full | .05 | .06 | .05 | .05 | .04 |
| Three | .05 | .08 | .05 | .09 | .07 |
| Four | .06 | .06 | .06 | .08 | .06 |
| Five | .06 | .06 | .05 | .07 | .05 |