Appendix

Table A-1

Four Factor Solution for Genetic Common Factors for Best-Fit Model: Loadings and Inter-Factor Correlations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | MR1 | MR2 | MR3 | MR4 |
| **Normative Personality** |  |  |  |  |
| Extraversion | -0.13 | 0.85 | -0.01 | -0.03 |
| Agreeableness | 0.02 | 0.25 | -0.22 | -0.73 |
| Conscientiousness | 0.00 | 0.10 | -0.83 | 0.01 |
| Neuroticism | 0.64 | -0.26 | 0.01 | -0.14 |
| Openness | 0.17 | 0.52 | 0.00 | 0.35 |
| **Personality Disorder Traits** |  |  |  |  |
| Negative Emotionality | 0.58 | -0.33 | 0.22 | 0.09 |
| Detachment | 0.03 | -0.74 | 0.32 | 0.38 |
| Antagonism | 0.00 | 0.02 | 0.51 | 0.57 |
| Disinhibition  | 0.25 | 0.02 | 0.78 | -0.11 |
| Compulsivity | 0.57 | -0.19 | -0.04 | 0.25 |
| Psychoticism  | 0.33 | -0.06 | 0.47 | 0.24 |
| **Personality Disorders** |  |  |  |  |
| Paranoid | 0.94 | 0.06 | -0.11 | 0.03 |
| Schizotypal | 0.80 | -0.04 | 0.00 | -0.23 |
| Schizoid | 0.39 | -0.54 | 0.02 | 0.17 |
| Antisocial | 0.03 | 0.35 | 0.79 | 0.08 |
| Borderline | 0.84 | 0.29 | 0.20 | -0.04 |
| Histrionic | 0.81 | 0.62 | 0.00 | 0.07 |
| Narcissistic  | 0.61 | 0.32 | 0.10 | 0.34 |
| Avoidant | 0.60 | -0.58 | -0.02 | -0.07 |
| Dependent | 0.88 | -0.06 | 0.04 | -0.51 |
| Obsessive-Compulsive | 0.57 | 0.00 | -0.43 | 0.58 |
|  |  |  |  |  |
|  | 1.00 |  |  |  |
|  | -0.28 | 1.00 |  |  |
|  | 0.56 | -0.15 | 1.00 |  |
|  | 0.35 | 0.04 | 0.29 | 1.00 |

Table A-2

Four Factor Solution for Environmental Common Factors for Best-Fit Model: Loadings and Inter-Factor Correlations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | MR1 | MR2 | MR3 | MR4 |
| **Normative Personality** |  |  |  |  |
| Extraversion | -0.01 | -0.04 | 0.37 | 0.67 |
| Agreeableness | 0.01 | -0.13 | 0.49 | 0.00 |
| Conscientiousness | 0.00 | 0.00 | 0.67 | -0.05 |
| Neuroticism | 0.03 | 0.30 | -0.46 | -0.15 |
| Openness | 0.03 | 0.07 | 0.12 | 0.33 |
| **Personality Disorder Traits** |  |  |  |  |
| Negative Emotionality | -0.02 | 0.72 | -0.14 | -0.09 |
| Detachment | 0.02 | 0.44 | -0.06 | -0.30 |
| Antagonism | 0.04 | 0.49 | 0.07 | 0.25 |
| Disinhibition  | 0.00 | 0.48 | -0.26 | 0.27 |
| Compulsivity | -0.01 | 0.64 | 0.20 | -0.03 |
| Psychoticism  | 0.04 | 0.60 | -0.05 | 0.02 |
| **Personality Disorders** |  |  |  |  |
| Paranoid | 0.68 | -0.11 | -0.09 | -0.02 |
| Schizotypal | 0.70 | -0.10 | -0.11 | -0.09 |
| Schizoid | 0.47 | -0.13 | -0.03 | -0.04 |
| Antisocial | 0.47 | 0.10 | -0.01 | 0.13 |
| Borderline | 0.63 | 0.07 | 0.05 | 0.00 |
| Histrionic | 0.58 | 0.02 | -0.05 | 0.26 |
| Narcissistic  | 0.62 | -0.02 | 0.00 | 0.17 |
| Avoidant | 0.47 | 0.04 | 0.07 | -0.39 |
| Dependent | 0.56 | 0.04 | 0.07 | -0.16 |
| Obsessive-Compulsive | 0.54 | 0.09 | 0.11 | 0.09 |
|  |  |  |  |  |
|  | 1.00 |  |  |  |
|  | 0.26 | 1.00 |  |  |
|  | -0.14 | -0.30 | 1.00 |  |
|  | -0.08 | -0.20 | 0.15 | 1.00 |

Table A-3

Loadings on Genetic Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Best Fit Model Using Results for Only 6 Personality Disorders Assessed at Wave 2

|  |  |  |  |
| --- | --- | --- | --- |
|  | MR1 | MR2 | MR3 |
| **Normative Personality** |  |  |  |
| Extraversion | 0.05 | -0.27 | 0.81 |
| Agreeableness | -0.74 | 0.15 | 0.21 |
| Conscientiousness | -0.52 | -0.23 | 0.04 |
| Neuroticism | 0.00 | 0.74 | -0.24 |
| Openness | -0.05 | 0.52 | 0.68 |
| **Personality Disorder Traits** |  |  |  |
| Negative Emotionality | 0.43 | 0.48 | -0.31 |
| Detachment | 0.57 | 0.01 | -0.61 |
| Antagonism | 1.00 | -0.36 | 0.04 |
| Disinhibition  | 0.64 | 0.24 | 0.02 |
| Compulsivity | 0.60 | 0.16 | -0.12 |
| Psychoticism  | 0.63 | 0.34 | 0.02 |
| **Personality Disorders** |  |  |  |
| Paranoid | 0.21 | 0.71 | -0.18 |
| Schizotypal | 0.14 | 0.77 | 0.18 |
| Antisocial | 0.78 | 0.04 | 0.35 |
| Borderline | 0.34 | 0.72 | 0.06 |
| Avoidant | -0.02 | 0.51 | -0.64 |
| Obsessive-Compulsive | 0.45 | 0.21 | -0.10 |
|  |  |  |  |
|  | 1.00 |  |  |
|  | 0.49 | 1.00 |  |
|  | -0.14 | -0.25 | 1.00 |

Table A-4

Loadings on Genetic Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Best Fit Model Using Results for Only 6 Personality Disorders Assessed at Wave 1

|  |  |  |  |
| --- | --- | --- | --- |
|  | MR1 | MR3 | MR2 |
| **Normative Personality** |  |  |  |
| Extraversion | 0.04 | 0.00 | -0.95 |
| Agreeableness | -0.23 | -0.46 | -0.11 |
| Conscientiousness | 0.12 | -0.90 | -0.20 |
| Neuroticism | 0.49 | 0.08 | 0.37 |
| Openness | 0.22 | 0.20 | -0.43 |
| **Personality Disorder Traits** |  |  |  |
| Negative Emotionality | 0.61 | 0.24 | 0.37 |
| Detachment | 0.15 | 0.32 | 0.67 |
| Antagonism | 0.27 | 0.60 | -0.13 |
| Disinhibition  | 0.24 | 0.72 | 0.04 |
| Compulsivity | 0.74 | -0.06 | 0.23 |
| Psychoticism  | 0.54 | 0.42 | 0.05 |
| **Personality Disorders** |  |  |  |
| Paranoid | 0.99 | -0.06 | -0.05 |
| Schizotypal | 0.66 | -0.05 | 0.07 |
| Antisocial | 0.00 | 0.84 | -0.31 |
| Borderline | 0.73 | 0.35 | -0.22 |
| Avoidant | 0.43 | 0.00 | 0.69 |
| Obsessive-Compulsive | 0.46 | 0.00 | 0.08 |
|  |  |  |  |
|  | 1.00 |  |  |
|  | 0.46 | 1.00 |  |
|  |  0.27 | 0.24 | 1.00 |

Table A-5

Loadings on Environmental Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Best Fit Model Using Results for Only 6 Personality Disorders Assessed at Wave 2

|  |  |  |  |
| --- | --- | --- | --- |
|  | MR1 | MR2 | MR3 |
| **Normative Personality** |  |  |  |
| Extraversion | 0.02 | 0.03 | 0.84 |
| Agreeableness | 0.06 | -0.30 | 0.29 |
| Conscientiousness | 0.15 | -0.27 | 0.30 |
| Neuroticism | 0.02 | 0.41 | -0.42 |
| Openness | -0.06 | 0.17 | 0.37 |
| **Personality Disorder Traits** |  |  |  |
| Negative Emotionality | 0.03 | 0.69 | -0.21 |
| Detachment | 0.15 | 0.26 | -0.37 |
| Antagonism | 0.14 | 0.47 | 0.25 |
| Disinhibition  | -0.15 | 0.67 | 0.09 |
| Compulsivity | 0.02 | 0.45 | -0.02 |
| Psychoticism  | 0.06 | 0.53 | -0.08 |
| **Personality Disorders** |  |  |  |
| Paranoid | 0.70 | -0.01 | -0.03 |
| Schizotypal | 0.80 | -0.11 | 0.05 |
| Antisocial | 0.29 | 0.05 | 0.08 |
| Borderline | 0.56 | 0.14 | -0.07 |
| Avoidant | 0.57 | 0.03 | -0.36 |
| Obsessive-Compulsive | 0.45 | 0.13 | 0.07 |
|  |  |  |  |
|  | 1.00 |  |  |
|  | 0.30 | 1.00 |  |
|  | -0.09 | -0.28 | 1.00 |

Table A-6

Loadings on Environmental Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Best Fit Model Using Results for Only 6 Personality Disorders Assessed at Wave 1

|  |  |  |  |
| --- | --- | --- | --- |
|  | MR1 | MR2 | MR3 |
| **Normative Personality** |  |  |  |
| Extraversion | -0.02 | -0.02 | 0.81 |
| Agreeableness | -0.24 | 0.02 | 0.30 |
| Conscientiousness | -0.18 | 0.03 | 0.32 |
| Neuroticism | 0.37 | 0.02 | -0.45 |
| Openness | 0.10 | 0.02 | 0.37 |
| **Personality Disorder Traits** |  |  |  |
| Negative Emotionality | 0.70 | -0.01 | -0.25 |
| Detachment | 0.38 | 0.05 | -0.34 |
| Antagonism | 0.50 | 0.05 | 0.22 |
| Disinhibition  | 0.58 | -0.04 | 0.04 |
| Compulsivity | 0.54 | 0.00 | 0.03 |
| Psychoticism  | 0.60 | 0.00 | -0.07 |
| **Personality Disorders** |  |  |  |
| Paranoid | -0.08 | 0.72 | -0.05 |
| Schizotypal | -0.04 | 0.68 | -0.10 |
| Antisocial | 0.13 | 0.50 | 0.11 |
| Borderline | 0.08 | 0.59 | 0.03 |
| Avoidant | -0.01 | 0.43 | -0.25 |
| Obsessive-Compulsive | 0.08 | 0.55 | 0.14 |
|  |  |  |  |
|  | 1.00 |  |  |
|  | 0.24 | 1.00 |  |
|  | -0.22 | -0.17 | 1.00 |

Table A-7

Loadings on Genetic Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Second and Third Best Fit Models

|  |  |  |
| --- | --- | --- |
|  | 2nd Best Fit Model | 3rd Best Fit Model |
|  | MR1 | MR3 | MR2 | MR1 | MR3 | MR2 |
| **Normative Personality** |  |  |  |  |  |  |
| Extraversion | -0.19 | -0.11 | 0.83 | -0.15 | -0.21 | 0.78 |
| Agreeableness | 0.05 | -0.67 | 0.14 | 0.10 | -0.84 | 0.11 |
| Conscientiousness | -0.21 | -0.50 | 0.07 | -0.19 | -0.57 | 0.07 |
| Neuroticism | 0.75 | -0.16 | -0.23 | 0.67 | -0.04 | -0.25 |
| Openness | -0.01 | 0.31 | 0.41 | 0.04 | 0.25 | 0.55 |
| **Personality Disorder Traits** |  |  |  |  |  |  |
| Negative Emotionality | 0.62 | 0.27 | -0.28 | 0.59 | 0.34 | -0.26 |
| Detachment | 0.01 | 0.66 | -0.69 | 0.04 | 0.71 | -0.63 |
| Antagonism | -0.12 | 0.96 | 0.07 | -0.05 | 0.89 | 0.14 |
| Disinhibition  | 0.39 | 0.48 | 0.05 | 0.45 | 0.43 | 0.04 |
| Compulsivity | 0.42 | 0.36 | -0.15 | 0.55 | 0.24 | -0.16 |
| Psychoticism  | 0.23 | 0.73 | -0.07 | 0.40 | 0.55 | 0.00 |
| **Personality Disorders** |  |  |  |  |  |  |
| Paranoid | 0.85 | 0.04 | 0.09 | 0.90 | -0.02 | 0.14 |
| Schizotypal | 0.67 | 0.05 | -0.08 | 0.88 | -0.23 | 0.00 |
| Schizoid | 0.31 | 0.32 | -0.51 | 0.44 | 0.23 | -0.42 |
| Antisocial | 0.10 | 0.67 | 0.38 | 0.14 | 0.57 | 0.40 |
| Borderline | 0.89 | 0.08 | 0.36 | 0.85 | 0.08 | 0.37 |
| Histrionic | 0.77 | 0.01 | 0.70 | 0.70 | 0.02 | 0.67 |
| Narcissistic  | 0.45 | 0.45 | 0.35 | 0.50 | 0.37 | 0.40 |
| Avoidant | 0.68 | -0.04 | -0.50 | 0.70 | 0.00 | -0.47 |
| Dependent | 1.00 | -0.36 | -0.01 | 1.00 | -0.40 | -0.03 |
| Obsessive-Compulsive | 0.35 | 0.18 | 0.06 | 0.32 | 0.28 | 0.08 |

Table A-8

Loadings on Environmental Common Factors for Dimensions of Normative Personality, Personality Disorder Traits and Personality Disorders from the Second and Third Best Fit Models

|  |  |  |
| --- | --- | --- |
|  | 2nd Best Fit Model | 3rd Best Fit Model |
|  | MR1 | MR3 | MR2 | MR1 | MR3 | MR2 |
| **Normative Personality** |  |  |  |  |  |  |
| Extraversion | 0.00 | -0.07 | 0.83 | -0.02 | -0.07 | 0.84 |
| Agreeableness | -0.03 | -0.28 | 0.24 | 0.01 | -0.28 | 0.24 |
| Conscientiousness | -0.02 | -0.22 | 0.28 | 0.00 | -0.22 | 0.27 |
| Neuroticism | 0.03 | 0.42 | -0.39 | 0.02 | 0.42 | -0.39 |
| Openness | 0.03 | 0.07 | 0.36 | 0.02 | 0.07 | 0.37 |
| **Personality Disorder Traits** |  |  |  |  |  |  |
| Negative Emotionality | -0.03 | 0.74 | -0.19 | -0.02 | 0.73 | -0.21 |
| Detachment | 0.02 | 0.41 | -0.33 | 0.03 | 0.40 | -0.35 |
| Antagonism | 0.05 | 0.47 | 0.23 | 0.05 | 0.48 | 0.22 |
| Disinhibition  | 0.00 | 0.57 | 0.09 | 0.00 | 0.58 | 0.08 |
| Compulsivity | -0.03 | 0.54 | 0.03 | -0.02 | 0.53 | 0.02 |
| Psychoticism  | 0.03 | 0.61 | -0.04 | 0.03 | 0.60 | -0.04 |
| **Personality Disorders** |  |  |  |  |  |  |
| Paranoid | 0.69 | -0.08 | -0.07 | 0.68 | -0.07 | -0.06 |
| Schizotypal | 0.71 | -0.07 | -0.14 | 0.70 | -0.06 | -0.12 |
| Schizoid | 0.48 | -0.11 | -0.04 | 0.47 | -0.11 | -0.04 |
| Antisocial | 0.47 | 0.12 | 0.10 | 0.47 | 0.12 | 0.09 |
| Borderline | 0.62 | 0.08 | 0.01 | 0.62 | 0.06 | -0.01 |
| Histrionic | 0.58 | 0.07 | 0.19 | 0.58 | 0.08 | 0.20 |
| Narcissistic  | 0.62 | 0.00 | 0.14 | 0.62 | 0.00 | 0.15 |
| Avoidant | 0.45 | -0.01 | -0.30 | 0.45 | -0.02 | -0.30 |
| Dependent | 0.54 | 0.02 | -0.11 | 0.53 | 0.02 | -0.10 |
| Obsessive-Compulsive | 0.54 | 0.07 | 0.11 | 0.55 | 0.06 | 0.12 |