Supplementary materials for:

“Typology of individuality: problems and solutions”

Elena Volkova, Aleksey Kalugin

**Table S1.** The Results of a Principal Component Analysis of the Multi-Level Properties of Individuality

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Multi-level properties of individuality** | **Component 1** | **Component 2** | **Component 3** | **Component 4** |
| **Temperament Properties** |
| Motor Ergonicity | -0.056 | -0.148 | **0.391** | 0.108 |
| Intellectual Ergonicity | 0.066 | -0.119 | **0.575** | -0.048 |
| Social Ergonicity | -0.016 | -0.014 | 0.231 | **0.664** |
| Motor Plasticity | 0.199 | 0.080 | 0.272 | 0.041 |
| Intellectual Plasticity | 0.137 | -0.157 | **0.508** | 0.058 |
| Social Plasticity | 0.026 | -0.134 | **0.422** | **0.522** |
| Motor Tempo | -0.005 | -0.226 | **0.416** | **0.328** |
| Intellectual Tempo | -0.017 | -0.202 | **0.601** | 0.119 |
| Social Tempo | 0.067 | -0.092 | **0.391** | **0.508** |
| Motor Emotionality | -0.075 | **0.404** | 0.127 | 0.062 |
| Intellectual Emotionality | 0.204 | **0.510** | 0.043 | -0.036 |
| Social Emotionality | 0.170 | **0.575** | 0.043 | 0.123 |
| **The Fundamental Personality Dimensions** |
| Extraversion/Introversion | -0.029 | -0.073 | **0.481** | **0.655** |
| Neuroticism/Emotional stability | 0.023 | **0.734** | 0.139 | -0.001 |
| Psychoticism/Soft-heartedness | **-0.499** | 0.194 | 0.280 | 0.049 |
| **Character Traits** |
| Hyperthymicity | 0.059 | -0.085 | **0.526** | **0.507** |
| Stuckness | -0.062 | **0.522** | 0.137 | 0.025 |
| Emotivity | 0.277 | **0.482** | 0.023 | 0.067 |
| Pedanticity | 0.194 | 0.122 | **0.395** | -0.129 |
| Anxiety | 0.138 | **0.472** | -0.051 | 0.064 |
| Cyclothymicity | 0.009 | **0.638** | -0.016 | 0.011 |
| Demonstrativeness | -0.048 | 0.040 | **0.434** | **0.499** |
| Excitability | **-0.343** | 0.170 | 0.206 | 0.189 |
| Dystimicity | -0.165 | **0.529** | -0.016 | **-0.395** |
| Exalitvenesswere | -0.119 | **0.599** | 0.006 | -0.068 |
| **Motivation** |
| Achievement Motivation | 0.198 | 0.053 | **0.717** | 0.126 |
| Accessibility Motivation | 0.282 | -0.095 | **0.485** | 0.057 |
| Value Motivation | **-0.361** | 0.267 | **0.385** | 0.165 |
| **The Cognitive Styles** |
| Field Dependence | -0.079 | **0.459** | 0.084 | 0.292 |
| Field Independence | 0.154 | -0.014 | **0.647** | 0.004 |
| Narrow Range of Equivalence | 0.199 | **0.384** | **0.393** | 0.157 |
| Wide Range of Equivalence | -0.281 | 0.160 | **0.460** | -0.005 |
| Flexibility of Cognitive Control | 0.130 | -0.073 | **0.612** | 0.138 |
| Rigidity of Cognitive Control | -0.208 | **0.410** | 0.221 | -0.066 |
| Impulsivity | -0.224 | **0.312** | **0.433** | 0.276 |
| Reflectivity | 0.253 | 0.192 | **0.504** | -0.156 |
| Concrete Conceptualization | 0.124 | **0.411** | **0.344** | -0.067 |
| Abstract Conceptualization | 0.205 | 0.015 | **0.662** | 0.072 |
| Tolerance of Unrealistic Experience | **0.320** | 0.073 | **0.526** | 0.150 |
| Intolerance of Unrealistic Experience | -0.227 | **0.386** | 0.300 | 0.014 |
| **Intelligence** |
| Logical problems (LOGOP) | 0.223 | -0.127 | -0.022 | -0.072 |
| **Hardiness** |
| Commitment | **0.326** | **-0.643** | **0.335** | 0.284 |
| Control | 0.183 | **-0.667** | **0.438** | 0.139 |
| Challenge | 0.218 | **-0.569** | 0.218 | 0.243 |
| **Spiritual Personality Traits** |
| Spiritual Virtues | **0.550** | -0.038 | 0.246 | 0.091 |
| Positive Outlook on Life | **0.446** | -0.102 | **0.331** | 0.211 |
| Spiritual Discipline | 0.248 | -0.265 | 0.295 | -0.019 |
| Goodness | **0.377** | -0.084 | 0.299 | 0.113 |
| Spiritual Service | **0.472** | 0.085 | 0.244 | 0.143 |
| Moral Rectitude | **0.521** | -0.040 | 0.206 | 0.156 |
| **Meaning in Life** |
| Purpose in Life | **0.424** | **-0.447** | 0.238 | 0.165 |
| Life Process | **0.411** | **-0.517** | 0.226 | **0.325** |
| Life Performance | **0.408** | **-0.524** | 0.209 | 0.267 |
| Locus of Control “I” | **0.436** | **-0.441** | 0.289 | 0.210 |
| Locus of Control “Life” | **0.417** | **-0.466** | 0.215 | 0.211 |
| **Axiological Orientation** |
| Collectivity | **0.733** | -0.006 | 0.007 | 0.086 |
| Spiritual Satisfaction | **0.824** | 0.011 | 0.030 | 0.024 |
| Creativity | **0.653** | -0.066 | 0.163 | 0.054 |
| Life | **0.794** | -0.049 | 0.090 | 0.112 |
| Achievement | **0.829** | 0.011 | 0.082 | 0.097 |
| Tradition | **0.616** | 0.033 | 0.087 | 0.078 |
| Material Well-being | **0.646** | 0.125 | 0.016 | 0.010 |
| Individuality | **0.684** | 0.020 | 0.101 | 0.032 |
| **Ways of Coping** |
| Seeking Social Support | **0.351** | **0.314** | -0.199 | **0.424** |
| Focus on Solving Problems | **0.589** | 0.006 | 0.203 | 0.052 |
| Working Hard and Achieve | **0.591** | -0.065 | 0.241 | 0.007 |
| Worry | **0.340** | **0.461** | -0.127 | 0.253 |
| Invest in Close Friends | 0.250 | 0.099 | -0.017 | **0.664** |
| Seek to Belong | 0.233 | **0.318** | -0.113 | **0.561** |
| Wishful thinking | 0.100 | **0.522** | -0.174 | **0.339** |
| Not Coping | -0.263 | **0.603** | -0.189 | 0.090 |
| Tension Reduction | -0.216 | **0.504** | -0.119 | 0.289 |
| Social Action | -0.242 | 0.161 | 0.058 | **0.407** |
| Ignore the Problem | -0.268 | **0.377** | -0.124 | 0.139 |
| Self-Blame | 0.072 | **0.559** | -0.110 | 0.000 |
| Keep to Self | -0.087 | 0.175 | 0.022 | **-0.351** |
| Seek Spiritual Support | 0.057 | 0.220 | 0.020 | 0.255 |
| Focusing on the Positive | **0.342** | 0.011 | 0.045 | **0.315** |
| Seek Professional Help | 0.029 | 0.102 | 0.184 | 0.172 |
| Distraction | 0.225 | 0.128 | -0.081 | **0.393** |
| Physical Recreation | 0.097 | -0.192 | 0.208 | 0.299 |
| **Eigenvalue** | **9.53** | **8.86** | **7.76** | **5.17** |
| **Percentage of Explained Variance** | **11.8** | **10.9** | **9.6** | **6.4** |

*Note*. *N* = 1,061. Table entries are loadings on varimax-rotated principal components. Absolute loadings of .30 or stronger are bolded.

**Table S2.** Mean for 4 selected groups (T-scores)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **Group 1** | **Group 2** | **Group 3** | **Group 4** |
| **Number of respondents** | 119 | 260 | 326 | 356 |
| **Temperament Properties** |
| Motor Ergonicity | 53 | 52 | 46 | 51 |
| Intellectual Ergonicity | 52 | 55 | 46 | 49 |
| Social Ergonicity | 51 | 47 | 45 | 57 |
| Motor Plasticity | 48 | 52 | 48 | 51 |
| Intellectual Plasticity | 49 | 54 | 46 | 51 |
| Social Plasticity | 52 | 51 | 43 | 55 |
| Motor Tempo | 50 | 53 | 44 | 53 |
| Intellectual Tempo | 51 | 54 | 44 | 52 |
| Social Tempo | 50 | 51 | 44 | 55 |
| Motor Emotionality | 53 | 48 | 50 | 51 |
| Intellectual Emotionality | 50 | 48 | 52 | 50 |
| Social Emotionality | 49 | 46 | 51 | 52 |
| General Activity | 51 | 54 | 42 | 54 |
| General Emotionality | 51 | 46 | 51 | 51 |
| Motor Activity | 50 | 53 | 45 | 53 |
| Intellectual Activity | 51 | 55 | 44 | 51 |
| Social Activity | 51 | 49 | 43 | 57 |
| General Adaptability | 50 | 55 | 42 | 53 |
| **The Fundamental Personality Dimensions** |
| Extraversion/Introversion | 54 | 49 | 43 | 56 |
| Neuroticism/Emotional stability | 54 | 46 | 52 | 50 |
| Psychoticism/Soft-heartedness | 62 | 48 | 48 | 49 |
| **Character Traits** |
| Hyperthymicity | 53 | 51 | 43 | 55 |
| Stuckness | 54 | 46 | 51 | 51 |
| Emotivity | 48 | 47 | 51 | 51 |
| Pedanticity | 50 | 53 | 48 | 49 |
| Anxiety | 50 | 47 | 52 | 51 |
| Cyclothymicity | 52 | 45 | 53 | 50 |
| Demonstrativeness | 54 | 49 | 44 | 55 |
| Excitability | 57 | 47 | 48 | 51 |
| Dystimicity | 54 | 48 | 54 | 46 |
| Exalitvenesswere | 54 | 46 | 53 | 49 |
| **Motivation** |
| Achievement Motivation | 50 | 54 | 44 | 52 |
| Accessibility Motivation | 48 | 54 | 46 | 51 |
| Value Motivation | 61 | 47 | 47 | 51 |
| **The Cognitive Styles** |
| Field Dependence | 55 | 45 | 49 | 53 |
| Field Independence | 48 | 54 | 45 | 52 |
| Narrow Range of Equivalence | 51 | 49 | 48 | 52 |
| Wide Range of Equivalence | 56 | 50 | 47 | 50 |
| Flexibility of Cognitive Control | 50 | 54 | 44 | 52 |
| Rigidity of Cognitive Control | 56 | 47 | 50 | 50 |
| Impulsivity | 58 | 47 | 46 | 53 |
| Reflectivity | 48 | 53 | 48 | 49 |
| Concrete Conceptualization | 50 | 50 | 49 | 50 |
| Abstract Conceptualization | 48 | 54 | 45 | 52 |
| Tolerance of Unrealistic Experience | 46 | 53 | 46 | 53 |
| Intolerance of Unrealistic Experience | 57 | 48 | 49 | 50 |
| **Intelligence** |
| logical problems (LOGOP) | 41 | 52 | 50 | 51 |
| **Hardiness** |
| Commitment | 44 | 56 | 44 | 53 |
| Control | 48 | 58 | 43 | 51 |
| Challenge | 46 | 55 | 45 | 52 |
| Hardiness | 45 | 57 | 43 | 52 |
| **Spiritual Personality Traits** |
| Spiritual Virtues | 41 | 53 | 49 | 52 |
| Positive Outlook on Life | 45 | 53 | 46 | 53 |
| Spiritual Discipline | 47 | 55 | 48 | 50 |
| Goodness | 45 | 53 | 48 | 51 |
| Spiritual Service | 45 | 52 | 49 | 52 |
| Moral Rectitude | 43 | 53 | 48 | 52 |
| **Meaning in Life** |
| Purpose in Life | 42 | 55 | 46 | 52 |
| Life Process | 42 | 55 | 45 | 54 |
| Life Performance | 42 | 55 | 46 | 53 |
| Locus of Control “I” | 42 | 55 | 45 | 53 |
| Locus of Control “Life” | 43 | 55 | 46 | 53 |
| Meaning in Life | 41 | 56 | 45 | 53 |
| **Axiological Orientation** |
| Collectivity | 35 | 53 | 50 | 52 |
| Spiritual Satisfaction | 33 | 54 | 51 | 52 |
| Creativity | 39 | 54 | 49 | 52 |
| Life | 34 | 54 | 49 | 53 |
| Achievement | 35 | 54 | 50 | 53 |
| Tradition | 40 | 52 | 50 | 52 |
| Material Well-being | 35 | 52 | 51 | 52 |
| Individuality | 37 | 53 | 50 | 52 |
| Profession | 34 | 54 | 50 | 52 |
| Education | 36 | 54 | 50 | 52 |
| Family | 34 | 52 | 51 | 52 |
| Social Life | 38 | 52 | 49 | 53 |
| Leisure | 34 | 53 | 51 | 53 |
| **Ways of Coping** |
| Seeking Social Support | 45 | 46 | 51 | 54 |
| Focus on Solving Problems | 39 | 54 | 49 | 52 |
| Working Hard and Achieve | 40 | 55 | 49 | 51 |
| Worry | 45 | 45 | 52 | 53 |
| Invest in Close Friends | 47 | 46 | 48 | 56 |
| Seek to Belong | 47 | 44 | 50 | 55 |
| Wishful thinking | 49 | 43 | 52 | 54 |
| Not Coping | 57 | 43 | 54 | 50 |
| Tension Reduction | 55 | 43 | 51 | 53 |
| Social Action | 59 | 45 | 48 | 52 |
| Ignore the Problem | 56 | 44 | 52 | 51 |
| Self-Blame | 49 | 46 | 53 | 50 |
| Keep to Self | 51 | 51 | 53 | 47 |
| Seek Spiritual Support | 53 | 47 | 49 | 52 |
| Focusing on the Positive | 46 | 50 | 48 | 53 |
| Seek Professional Help | 52 | 49 | 49 | 51 |
| Distraction | 46 | 48 | 50 | 54 |
| Physical Recreation | 49 | 51 | 46 | 53 |