Supplemental Table 1. Bivariate Pearson correlations for all measures in Study 1

|                      | 1. MTE | 2. MMI | 3. MPPUS | 4. ASU | 5. IP | 6. LogK | 7. GNG | 8. Barratt | 9. SS | 10. BAS |
|----------------------|--------|--------|----------|--------|-------|---------|--------|------------|-------|---------|
| Smartphone & Social Media Use |        |        |          |        |       |         |        |            |       |         |
| 1. MTE               |        |        |          |        |       |         |        |            |       |         |
| 2. MMI               |        |        |          |        |       |         |        |            |       |         |
| 3. MPPUS             |        |        |          |        |       |         |        |            |       |         |
| 4. ASU               |        |        |          |        |       |         |        |            |       |         |
| Indifference Point   |        |        |          |        |       |         |        |            |       |         |
| 6. LogK              |        |        |          |        |       |         |        |            |       |         |
| Go/NoGo False Alarms |        |        |          |        |       |         |        |            |       |         |
| Barratt Impulsivity  |        |        |          |        |       |         |        |            |       |         |
| Reward Sensitivity   |        |        |          |        |       |         |        |            |       |         |

The table presents the bivariate Pearson correlations for all measures in Study 1. The Pearson correlations range from -1 to 1, indicating the strength and direction of the linear relationship between the variables. A * denotes significance at the 0.05 level (two-tailed), ** at the 0.01 level, and *** at the 0.001 level. The table is structured with the variable names in the top row and the first column, with the correlation coefficients filling the rest of the table.
| 1. MTIE | 2. OD | 3. lega | 4. ORG | 5. Barnett | 6. DS | 7. BAS | 8. vSTh-rmFFc (right) | 9. vSTh-tmFFc (left) | 10. vSTh-dFFc (right) | 11. vSTh-dFFc (left) | 12. dSTh-wmFFc (right) | 13. dSTh-wmFFc (left) | 14. dSTh-dFFc (right) | 15. dSTh-dFFc (left) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smartphone & Social Media Use | | | | | | | | | | | | | | |
| 1. Mobile Technology Engagement | | -0.263 | 0.078 | 0.203 | 0.208 | 0.105* | 0.291* | 0.039*** | 0.425* | -0.169 | -0.175 | 0.319 | 0.019 | 0.037 | -0.037 |
| Interspersal Preference | | | | | | | | | | | | | | |
| 2. Delay Discounting | | | -0.328** | 0.297** | 0.089 | 0.13 | 0.066 | -0.395** | -0.046 | -0.073** | -0.308** | 0.136 | -0.088** | -0.079 | -0.347** |
| 3. Lega | | | | -0.326 | -0.173 | -0.185 | 0.312* | 0.294 | -0.419** | 0.424* | -0.076 | -0.456* | 0.197 | 0.286 |
| Impulse Control | | | | | | | | | | | | | | |
| 6. Go/NoGo Fahe Alarma | | | | | | | | 0.321* | 0.421* | 0.33 | -0.335* | -0.321 | -0.448* | -0.456* | 0.176 | -0.097 | -0.215 | -0.435** |
| Recruit Impulsivity | | | | | | | | | 0.312 | 0.391 | -0.058 | -0.284 | -0.156 | 0.075 | 0.312 | -0.019 | 0.286 | 0.667 |
| Reward Sensitivity | | | | | | | | | | | | | | |
| 6. SS | | | | | | | | | | | | | | |
| 7. BAS - Reward | | | | | | | | | | | | | | |
| 9. vSTh-rmFFc (right) | | | | | | | | | | | | | | |
| 10. vSTh-dFFc (right) | | | | | | | | | | | | | | |
| Structural Connectivity | | | | | | | | | | | | | | |