**Supplemental Table 1.** Study 1 Spearman *p* correlations between decision making tasks

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | IGT1 | IGT2 | IGT3 | IGT4 | IGT5 | IGT Total | CCT | GDT |
| *Full Sample (n = 166)* |  |  |  |  |  |  |
|  IGT1 | -- | -.120 | -.115 | -.181 | -.225\* | .019 | .012 | .067 |
|  IGT2 |  | -- | .482\*\* | .448\*\* | .294\*\* | .638\*\* | .046 | .056 |
|  IGT3 |  |  | -- | .585\*\* | .380\*\* | .788\*\* | -.071 | .085 |
|  IGT4 |  |  |  | -- | .465\*\* | .806\*\* | -.037 | .095 |
|  IGT5 |  |  |  |  | -- | .653\*\* | -.061 | .031 |
|  IGT Total |  |  |  |  |  | -- | .002 | .112 |
|  CCT |  |  |  |  |  |  | -- | .012 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Nonclinical Controls (n = 43)* |  |  |  |  |
|  IGT1 | -- | -.101 | -.009 | -.070 | -.292 | .037 | .020 | -.020 |
|  IGT2 |  | -- | .464\* | .422\* | .129 | .611\*\* | .108 | .099 |
|  IGT3 |  |  | -- | .641\*\* | .145 | .783\*\* | -.127 | -.025 |
|  IGT4 |  |  |  | -- | .310\* | .755\*\* | .004 | .141 |
|  IGT5 |  |  |  |  | -- | .487\*\* | -.042 | -.021 |
|  IGT Total |  |  |  |  |  | -- | -.016 | .028 |
|  CCT |  |  |  |  |  |  | -- | -.012 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Clinical Controls (n = 31)* |  |  |  |  |
|  IGT1 | -- | -.124 | -.299 | -.307 | -.236 | -.115 | .150 | -.090 |
|  IGT2 |  | -- | .659\*\* | .574\*\* | .547\*\* | .790\*\* | .119 | .217 |
|  IGT3 |  |  | -- | .714\*\* | .596\*\* | .820\*\* | .020 | .207 |
|  IGT4 |  |  |  | -- | .576\*\* | .822\*\* | -.033 | .027 |
|  IGT5 |  |  |  |  | -- | .766\*\* | .017 | .105 |
|  IGT Total |  |  |  |  |  | -- | .134 | .104 |
|  CCT |  |  |  |  |  |  | -- | -.276 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Malinger-Pass WMT (n = 69)* |  |  |  |  |
|  IGT1 | -- | -.178 | -.134 | -.270 | -.207 | .004 | -.024 | .169 |
|  IGT2 |  | -- | .424\*\* | .520\*\* | .265 | .593\*\* | .133 | -.005 |
|  IGT3 |  |  | -- | .499\*\* | .388\*\* | .744\*\* | -.015 | .142 |
|  IGT4 |  |  |  | -- | .487\*\* | .807\*\* | .012 | .086 |
|  IGT5 |  |  |  |  | -- | .685\*\* | -.135 | .049 |
|  IGT Total |  |  |  |  |  | -- | .014 | .164 |
|  CCT |  |  |  |  |  |  | -- | .083 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Malinger-Fail WMT (n = 23)* |  |  |  |  |
|  IGT1 | -- | -.195 | -.082 | -.123 | -.221 | .046 | .277 | .123 |
|  IGT2 |  | -- | .468 | .085 | .284 | .485 | -.490 | -.153 |
|  IGT3 |  |  | -- | .474 | .452 | .778\*\* | -.318 | -.030 |
|  IGT4 |  |  |  | -- | .532 | .728\*\* | -.151 | .135 |
|  IGT5 |  |  |  |  | -- | .733\*\* | -.091 | -.099 |
|  IGT Total |  |  |  |  |  | -- | -.181 | -.082 |
|  CCT |  |  |  |  |  |  | -- | .215 |
|  GDT |  |  |  |  |  |  |  | -- |

*Note*: WMT=Word Memory Test; IGT=Iowa Gambling Task, Advantageous (C+D) minus Disadvantageous (A+B) selections by 20-card blocks of trials (1-5) and across all 100 trials (total); CCT=Columbia Card Task, average cards per trial; GDT=Game of Dice Task, safe (3+4) minus risky (1+2) selections.

\**p* *<* .01

\*\**p* < .001

**Supplemental Table 2.** Study 2 Spearman p correlations between decision making tasks

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | IGT1 | IGT2 | IGT3 | IGT4 | IGT5 | IGT Total | CCT | GDT |
| *Full Sample (n = 130)* |  |  |  |  |  |  |
|  IGT1 | -- | .173 | .118 | .127 | .051 | .375\*\* | .064 | .140 |
|  IGT2 |  | -- | .439\*\* | .397\*\* | .385\*\* | .666\*\* | -.101 | .123 |
|  IGT3 |  |  | -- | .453\*\* | .315\*\* | .674\*\* | -.107 | .122 |
|  IGT4 |  |  |  | -- | .522\*\* | .756\*\* | -.092 | .241\* |
|  IGT5 |  |  |  |  | -- | .730\*\* | -.167 | .141 |
|  IGT Total |  |  |  |  |  | -- | -.143 | .198 |
|  CCT |  |  |  |  |  |  | -- | -.050 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Nonclinical Controls (n = 48)* |  |  |  |  |  |  |
|  IGT1 | -- | .155 | .272 | -.088 | -.128 | .235 | .107 | .369 |
|  IGT2 |  | -- | .405\* | .278 | .385 | .632\*\* | -.248 | .246 |
|  IGT3 |  |  | -- | .408\* | .270 | .684\*\* | -.099 | .238 |
|  IGT4 |  |  |  | -- | .485\* | .686\*\* | -.414\* | .301 |
|  IGT5 |  |  |  |  | -- | .761\*\* | -.209 | .120 |
|  IGT Total |  |  |  |  |  | -- | -.314 | .322 |
|  CCT |  |  |  |  |  |  | -- | -.155 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Combined Malinger-Pass PVTs (n = 58)* |  |  |  |  |  |  |
|  IGT1 | -- | .158 | .015 | .227 | .213 | .451\*\* | .138 | .039 |
|  IGT2 |  | -- | .467\*\* | .460\*\* | .475\*\* | .681\*\* | .000 | .048 |
|  IGT3 |  |  | -- | .60\*\* | .471\*\* | .725\*\* | -.096 | .090 |
|  IGT4 |  |  |  | -- | .644\*\* | .837\*\* | .034 | .254 |
|  IGT5 |  |  |  |  | -- | .763\*\* | -.048 | .253 |
|  IGT Total |  |  |  |  |  | -- | .026 | .191 |
|  CCT |  |  |  |  |  |  | -- | -.008 |
|  GDT |  |  |  |  |  |  |  | -- |
| *Combined Malinger-Fail PVTs (n = 24)* |  |  |  |  |  |  |
|  IGT1 | -- | .200 | .196 | .197 | -.059 | .417 | -.146 | -.005 |
|  IGT2 |  | -- | .447 | .434 | .036 | .582\*\* | .128 | .071 |
|  IGT3 |  |  | -- | .239 | .118 | .572\*\* | -.168 | .097 |
|  IGT4 |  |  |  | -- | .332 | .668\*\* | .165 | .220 |
|  IGT5 |  |  |  |  | -- | .591\*\* | -.175 | -.125 |
|  IGT Total |  |  |  |  |  | -- | -.149 | .006 |
|  CCT |  |  |  |  |  |  | -- | .075 |
|  GDT |  |  |  |  |  |  |  | -- |
| *General Malinger-Pass PVTs (n = 30)* |  |  |  |  |  |  |
|  IGT1 | -- | .234 | .016 | .170 | .041 | .441 | .199 | -.050 |
|  IGT2 |  | -- | .595\*\* | .338 | .363 | .668\*\* | .182 | -.104 |
|  IGT3 |  |  | -- | .590\*\* | .287 | .745\*\* | .012 | -.104 |
|  IGT4 |  |  |  | -- | .506\* | .798\*\* | .138 | .233 |
|  IGT5 |  |  |  |  | -- | .564\* | .099 | .068 |
|  IGT Total |  |  |  |  |  | -- | .205 | .062 |
|  CCT |  |  |  |  |  |  | -- | .075 |
|  GDT |  |  |  |  |  |  |  | -- |
| *General Malinger-Fail PVTs (n = 17)* |  |  |  |  |  |  |
|  IGT1 | -- | .142 | .414 | .214 | -.117 | .317 | .013 | -.098 |
|  IGT2 |  | -- | .326 | .727\*\* | .105 | .602\* | .131 | .058 |
|  IGT3 |  |  | -- | .612\* | .275 | .760\*\* | -.142 | .186 |
|  IGT4 |  |  |  | -- | .186 | .695\*\* | .200 | .256 |
|  IGT5 |  |  |  |  | -- | .602\* | -.042 | -.293 |
|  IGT Total |  |  |  |  |  | -- | -.098 | -.130 |
|  CCT |  |  |  |  |  |  | -- | .439 |
|  GDT |  |  |  |  |  |  |  | -- |
| *DM Malinger-Pass PVTs (n = 28)* |  |  |  |  |  |  |
|  IGT1 | -- | .119 | .019 | .373 | .358 | .469 | .020 | .175 |
|  IGT2 |  | -- | .307 | .605\* | .602\* | .685\*\* | -.309 | .235 |
|  IGT3 |  |  | -- | .673\*\* | .599\* | .654\*\* | -.356 | .257 |
|  IGT4 |  |  |  | -- | .803\*\* | .937\*\* | -.217 | .297 |
|  IGT5 |  |  |  |  | -- | .920\*\* | -.207 | .395 |
|  IGT Total |  |  |  |  |  | -- | -.279 | .333 |
|  CCT |  |  |  |  |  |  | -- | -.154 |
|  GDT |  |  |  |  |  |  |  | -- |
| *DM Malinger-Fail PVTs (n = 7)* |  |  |  |  |  |  |
|  IGT1 | -- | .363 | -.056 | .040 | -.118 | .506 | -.209 | .390 |
|  IGT2 |  | -- | .638 | .053 | -.203 | .548 | .088 | .258 |
|  IGT3 |  |  | -- | -.282 | -.084 | .282 | -.174 | -.014 |
|  IGT4 |  |  |  | -- | .608 | .653 | .041 | .207 |
|  IGT5 |  |  |  |  | -- | .449 | -.398 | .239 |
|  IGT Total |  |  |  |  |  | -- | -.275 | .408 |
|  CCT |  |  |  |  |  |  | -- | -.409 |
|  GDT |  |  |  |  |  |  |  | -- |

\**p* < .01

\*\**p* < .001