**Supplementary file 1a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Session type** | **Predictor** | **Outcome** | **M** | **SD** | **T** | **df** | **p** |
| **Linear-order session** | |-DEV| | accuracy | 1.397 | 0.588 | 12.115 | 25 | 2.9269e-12 |
| |+DEV| | accuracy | 1.118 | 0.430 | 13.253 | 25 | 4.1489e-13 |
| **Random-order session** | |-DEV| | accuracy | 0.672 | 0.315 | 11.083 | 26 | 1.1939e-11 |
| |+DEV| | accuracy | 0.514 | 0.271 | 9.668 | 25 | 3.1518e-10 |
| |-𝚫IOI| | accuracy | -0.165 | 0.138 | -6.096 | 25 | 1.1323e-06 |
| |+𝚫IOI| | accuracy | -0.138 | 0.126 | -5.603 | 25 | 3.9471e-06 |

**Supplementary file 1b**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Experiment 1** | | | | | | | | | | | | |
| **Session averages** | **Random-order** | | **Linear-order** | |  | **paired-samples**  **t-test** | | |  | **Pearson correlation** | | |
|  | **M** | **SD** | **M** | **SD** |  | **T** | **df** | **p** |  | **r** | **df** | **p** |
| **SMT (s.)** | 0.555 | 0.189 | 0.189 | 0.194 |  | -1.763 | 26 | .090 |  | .865 | 25 | 5.8512e-09 |
| **Measurement** | **1 (before)** | | **2 (after)** | |  |  |  |  |  |  |  |  |
|  | **M** | **SD** | **M** | **SD** |  |  |  |  |  |  |  |  |
| **Random-order session** | | | | | | | | | | | | |
| **SMT (s.)** | 0.534 | 0.199 | 0.563 | 0.214 |  | -0.4174 | 25 | .67991 |  | .549 | 24 | 0.0037158 |
| **FMT ‘slowest’ (s.)** | 1.442 | 0.465 | 1.461 | 0.522 |  | 0.0202 | 24 | .98403 |  | .493 | 23 | 0.012206 |
| **FMT ‘fastest’ (s.)** | 0.227 | 0.059 | 0.223 | 0.045 |  | -0.0396 | 25 | .96873 |  | .737 | 24 | 1.747e-05 |
| **Linear-order session** | | | | | | | | | | | | |
| **SMT (s.)** | 0.574 | 0.181 | 0.605 | 0.249 |  | -0.8031 | 26 | .42919 |  | .613 | 25 | 0.00068186 |
| **FMT ‘slowest’ (s.)** | 1.602 | 0.575 | 1.628 | 0.639 |  | -0.5583 | 24 | .58179 |  | .627 | 23 | 0.00080427 |
| **FMT ‘fastest’ (s.)** | 0.211 | 0.051 | 0.204 | 0.037 |  | 0.2351 | 23 | .81621 |  | .611 | 22 | 0.001531 |
| **Experiment 2** | | | | | | | | | | | | |
| **SMT (s.)** | 0.598 | 0.222 | 0.669 | 0.218 |  | -2.6163 | 31 | .013613 |  | .758 | 30 | 5.1511e-07 |
| **FMT ‘slowest’ (s.)** | 1.427 | 0.634 | 1.438 | 0.713 |  | -0.1195 | 28 | .90577 |  | .704 | 27 | 2.8679e-05 |
| **FMT ‘fastest’ (s.)** | 0.256 | 0.078 | 0.261 | 0.067 |  | -0.5938 | 28 | .55742 |  | .669 | 27 | 7.2455e-05 |

**Supplementary file 1c**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **SMT #1** | **SMT #2** | **Duration**  **discrimination** | **Paced**  **tapping** | **Slider #1**  **fast-start** | **Slider #1**  **slow-start** | **Slider #2**  **fast-start** | **Slider #2**  **slow-start** | **Keypress**  **fast-start** |
| **Keypress**  **slow-start** | r = | 0.19238738 | 0.14704527 | -0.2777905 | 0.2208119 | 0.35880437 | **0.51559653** | **0.46750895** | **0.50924355** | 0.04852623 |
| p = | 0.29979413 | 0.42989342 | 0.15235564 | 0.24969911 | 0.07817678 | **0.00498272** | **0.0105523** | **0.00564496** | 0.80260746 |
| df = | 29 | 29 | 26 | 27 | 23 | **26** | **27** | **26** | 27 |
| **Keypress**  **fast-start** | r = | -0.1991552 | 0.05101907 | -0.2435522 | 0.08757407 | **0.49992895** | 0.35375669 | 0.26744148 | 0.09020309 |  |
| p = | 0.29138758 | 0.78889695 | 0.22088111 | 0.65767596 | **0.01286023** | 0.07025848 | 0.16886475 | 0.64804425 |  |
| df = | 28 | 28 | 25 | 26 | **22** | 25 | 26 | 26 |  |
| **Slider #2**  **slow-start** | r = | 0.16208113 | 0.3406378 | -0.0602415 | -0.0044475 | 0.3208116 | **0.4810407** | **0.52137264** |  |  |
| p = | 0.40089994 | 0.07057311 | 0.77003349 | 0.98243502 | 0.12639402 | **0.01108119** | **0.00443913** |  |  |
| df = | 27 | 27 | 24 | 25 | 22 | **25** | **26** |  |  |
| **Slider #2**  **fast-start** | r = | 0.35569764 | **0.52790234** | -0.0334548 | 0.17471004 | **0.79673077** | **0.46904928** |  |  |  |
| p = | 0.05372163 | **0.00271543** | 0.86842739 | 0.37389759 | **1.1156e-06** | **0.01026563** |  |  |  |
| df = | 28 | **28** | 25 | 26 | **24** | **27** |  |  |  |
| **Slider #1**  **slow-start** | r = | 0.28046384 | **0.36893725** | -0.3237635 | 0.19619323 | **0.69076946** |  |  |  |  |
| p = | 0.14057008 | **0.04889556** | 0.1066389 | 0.32669799 | **9.3667e-05** |  |  |  |  |
| df = | 27 | **27** | 24 | 25 | **24** |  |  |  |  |
| **Slider #1**  **fast-start** | r = | 0.13779212 | 0.32128253 | -0.3521865 | 0.16391112 |  |  |  |  |  |
| p = | 0.50205298 | 0.10950586 | 0.09932549 | 0.42364447 |  |  |  |  |  |
| df = | 24 | 24 | 21 | 24 |  |  |  |  |  |
| **Paced tapping** | r = | **0.41214417** | **0.40505774** | -0.0166448 |  |  |  |  |  |  |
| p = | **0.02362701** | **0.02638676** | 0.93432732 |  |  |  |  |  |  |
| df = | **28** | **28** | 25 |  |  |  |  |  |  |
| **Duration discrimination** | r = | **0.48378586** | **0.4353227** |  |  |  |  |  |  |  |
| p = | **0.00783814** | **0.0182627** |  |  |  |  |  |  |  |
| df = | **27** | **27** |  |  |  |  |  |  |  |
| **SMT #2** | r = | **0.75762652** |  |  |  |  |  |  |  |  |
| p = | **5.1511e-07** |  |  |  |  |  |  |  |  |
| df = | **30** |  |  |  |  |  |  |  |  |

**Supplementary file 1d**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Task** | **Predictor** | **Outcome** | **M** | **SD** | **T** | **df** | **p** |
| **Duration**  **discrimination** | |-𝚫IOI| | accuracy | -0.185 | 0.279 | -3.5685 | 28 | 0.0006593 |
| |+𝚫IOI| | accuracy | -0.230 | 0.261 | -4.7417 | 28 | 2.8093e-05 |
| **Paced tapping** | |-𝚫IOI| | |TME| | 0.004 | 0.005 | 4.7222 | 25 | 3.8278e-05 |
| |+𝚫IOI| | |TME| | 0.004 | 0.008 | 2.493 | 29 | 0.0093111 |