**S9 Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | Sample 1 accuracy |   | Sample 2 accuracy |
|  |  | *B* | *CI* | *SE* | *p* |  | *B* | *CI* | *SE* | *p* |
| **Fixed Parts** |
| (Intercept) |   | 0.8052 | 0.8020 – 0.8083 | 0.00 | **<.001** |   | 0.8137 | 0.8112 – 0.8163 | 0.00 | **<.001** |
| Trials (linear) |   | 0.0881 | 0.0822 – 0.0941 | 0.00 | **<.001** |   | 0.0866 | 0.0822 – 0.0910 | 0.00 | **.001** |
| Trials (quadratic) |   | -0.0483 | -0.0523 – -0.0443 | 0.00 | **<.001** |   | -0.0493 | -0.0525 – -0.0460 | 0.00 | **.001** |
| **Random Parts** |
| Nreset\_session:user |   | 39230 |   | 72741 |
| Nuser |   | 5566 |   | 8544 |
| Observations |   | 738946 |   | 1354597 |
| R2 / Ω02 |   | .402 / .395 |   | .407 / .401 |

**Accuracy as a function of trial for samples 1 and 2 – Nested within session within user**

Notes: This analysis is the same as reported in S2 Table, with the exception that trials are now nested within session within user, instead of just within user as before.