**S1 Table**

**Accuracy as a function of trial number for samples 1 and 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | Sample 1 accuracy |   | Sample 2 accuracy |
|  |  | *B* | *CI* | *p* |  | *B* | *CI* | *p* |
| **Fixed Parts** |
| (Intercept) |   | 0.8085 | 0.8053 – 0.8116 | **<.001** |   | 0.8154 | 0.8128 – 0.8180 | **<.001** |
| Trials (linear) |   | 0.0776 | 0.0717 – 0.0835 | **<.001** |   | 0.0800 | 0.0756 – 0.0844 | **<.001** |
| Trials (quadratic) |   | -0.0549 | -0.0588 – -0.0509 | **<.001** |   | -0.0584 | -0.0615 – -0.0553 | **<.001** |
| **Random Parts** |
| σ2 |   | 0.051 |   | 0.048 |
| τ00, user |   | 0.012 |   | 0.012 |
| ρ01 |   | -0.353 |   | -0.311 |
| Nuser |   | 5566 |   | 8544 |
| ICCuser |   | 0.189 |   | 0.204 |
| Observations |   | 738946 |   | 1354597 |
| R2 / Ω02 |   | .239 / .239 |   | .239 / .238 |

Notes: MLM with random slope and intercept within user. Dependent variable is the average correct score within a cluster of five trials. Independent variable is the order of trial clusters.