**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.