<H1> **Supplementary Material**

<H2>***Difference of means, confidence intervals and standard error***

Table S1

*Intergroup Analysis: Original Data*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Group | *M* (*SD*) | 95% CI | *SE* |
| NIC | DS | 14.86 (2.38) | [14.06, 15.67] | 0.40 |
| TD | 18.08 (1.05) | [17.73, 18.44] | 0.18 |
| IC | DS | 12.97 (2.24) | [12.22, 13.73] | 0.37 |
| TD | 18.14 (1.13) | [17.76, 18.52] | 0.19 |
| NIC  | DS young | 15 (1.82) | [14.10, 15.90] | 0.43 |
| TD young | 18.22 (1) | [17.72, 18.72] | 0.24 |
| IC | DS young | 13.06 (2.29) | [11.92, 14.19] | 0.54 |
| TD young | 18.33 (1.19) | [17.74, 18.92] | 0.28 |
| NIC | DS older | 14.72 (2.89) | [13.29, 16.16] | 0.68 |
| TD older | 17.94 (1.11) | [17.39, 18.50] | 0.26 |
| IC | DS older | 12.89 (2.25) | [11.77, 14.01] | 0.53 |
| TD older | 17.94 (1.06) | [17.42, 18.47] | 0.25 |

*Note*. *SD* = standard deviation; *SE*= standard error; CI = confidence interval; NIC = no-interference condition; IC = interference condition; DS = Down syndrome; TD = typical development.

Table S2

*Intragroup Analysis: Original Data*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group | Variables | Mean difference (*SD*) | 95% CI | *SE* |
| DS | NIC and IC | 1.89 (2.96) | [0.89, 2.89] | 0.49 |
| TD | NIC and IC | 0.06 (1.29) | [–0.49, 0.38] | 0.21 |
| DS young | NIC and IC | 1.94 (2.92) | [0.49, 3.40] | 0.69 |
| DS older | NIC and IC | 1.83 (3.09) | [0.30, 3.37] | 0.73 |
| TD young | NIC and IC | 0.11 (1.41) | [–0.81, 0.59] | 0.33 |
| TD older | NIC and IC | 0 (1.19) | [–0.59, 0.59] | 0.28 |

*Note*. *SD* = standard deviation; *SE*= standard error; CI = confidence interval; DS = Down syndrome; TD = typical development; NIC = no interference condition; IC = interference condition.