Tables

Table 1. Self-report questionnaires for connectedness on Facebook and habitual use of Facebook.

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| --- |
| **Connectedness on Facebook scale** (rated on a five-point scale)   1. I feel connected to my friends when I use Facebook. 2. I feel connected to my family members when I use Facebook.   **Habitual Use of Facebook Scale** (rated on a seven-point scale; [Bayer & Campbell, 2012; Verplanken & Orbell, 2003)](https://paperpile.com/c/LBVidN/c2QoA+aEisk) |
| 1. Using Facebook is something I do automatically. 2. Using Facebook is something I do without meaning to do it. 3. Using Facebook is something I do without thinking. 4. Using Facebook is something I start doing before I realize I'm doing it. 5. Using Facebook is something that would require effort not to do it. 6. Using Facebook is something I do without having to consciously remember. 7. Using Facebook is something that belongs to my daily routine. 8. Using Facebook is something I would find hard not to do. 9. Using Facebook is something I have no need to think about doing. 10. Using Facebook is something that's typically "me". |

Table 2. Ordinary least square model results of linking connectedness on Facebook and neural activation in each mentalizing ROI during Cyberball social exclusion, controlling for sample wave, scanner ID, and age.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | DMPFC | MMPFC | VMPFC | Precuneus | LTPJ | RTPJ | RSTS |
| (Intercept) | 3.29 | 6.72 | 4.77 | 0.38 | 1.44 | 2.51 | 1.43 |
|  | [-5.34, 11.92] | [-4.33, 17.78] | [-6.21, 15.75] | [-7.95, 8.70] | [-4.85, 7.73] | [-3.68, 8.71] | [-4.17, 7.04] |
| Connectedness on Facebook | -0.18 | -0.18 | -0.21 | -0.10 | -0.08 | -0.11 | -0.12 |
| [-0.45, 0.08] | [-0.52, 0.17] | [-0.55, 0.14] | [-0.36, 0.16] | [-0.27, 0.12] | [-0.30, 0.09] | [-0.30, 0.05] |
| Sample wave | 0.17 | 0.41 | 0.17 | 0.43 | 0.20 | 0.27 | 0.11 |
| [-0.41, 0.74] | [-0.32, 1.14] | [-0.56, 0.90] | [-0.12, 0.99] | [-0.21, 0.62] | [-0.14, 0.68] | [-0.27, 0.48] |
| Scanner ID | -0.13 | -0.34 | -0.04 | -0.16 | 0.04 | -0.17 | -0.07 |
| [-0.67, 0.42] | [-1.03, 0.36] | [-0.74, 0.65] | [-0.69, 0.36] | [-0.35, 0.44] | [-0.56, 0.23] | [-0.43, 0.28] |
| Age | -0.15 | -0.35 | -0.24 | -0.02 | -0.08 | -0.13 | -0.06 |
| [-0.65, 0.36] | [-1.00, 0.30] | [-0.89, 0.40] | [-0.51, 0.46] | [-0.45, 0.29] | [-0.50, 0.23] | [-0.39, 0.27] |
| R2 | 0.07 | 0.09 | 0.06 | 0.09 | 0.07 | 0.10 | 0.07 |
| *Note*. Numbers in brackets indicate 95% confidence interval. \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. | | | | | | | |

Table 3. Ordinary least square model results of linking habitual use of Facebook and neural activation in each social pain ROI during Cyberball social exclusion, controlling for sample wave, scanner ID, and age.

|  |  |  |  |
| --- | --- | --- | --- |
|  | VS | | LOFC |
| (Intercept) | 1.63 | 0.44 | |
|  | [-6.27, 9.53] | [-8.31, 9.18] | |
| Habitual use of Facebook | -0.04 | 0.06 | |
| [-0.18, 0.10] | [-0.10, 0.21] | |
| Sample wave | -0.24 | -0.27 | |
| [-0.70, 0.21] | [-0.78, 0.23] | |
| Scanner ID | 0.03 | 0.20 | |
| [-0.41, 0.48] | [-0.29, 0.69] | |
| Age | -0.07 | -0.02 | |
| [-0.53, 0.39] | [-0.52, 0.49] | |
| R2 | 0.03 | 0.04 | |
| *Note*. Numbers in brackets indicate 95% confidence interval.  \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. | | | |

Table 4. Ordinary least square model results of linking habitual use of Facebook and neural activation in each mentalizing ROI during Cyberball social exclusion, controlling for sample wave, scanner ID, and age.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | DMPFC | MMPFC | VMPFC | Precuneus | LTPJ | RTPJ | RSTS |
| (Intercept) | -1.32 | 1.31 | 2.93 | -2.80 | -1.56 | -1.19 | -0.12 |
|  | [-10.08, 7.44] | [-9.88, 12.49] | [-8.75, 14.61] | [-11.34, 5.74] | [-7.89, 4.76] | [-7.29, 4.91] | [-6.08, 5.83] |
| Habitual use of Facebook | 0.19 \* | 0.23 \* | 0.04 | 0.14 | 0.13 \* | 0.16 \*\* | 0.05 |
| [0.03, 0.34] | [0.03, 0.42] | [-0.16, 0.24] | [-0.01, 0.28] | [0.02, 0.24] | [0.05, 0.27] | [-0.06, 0.15] |
| Sample wave | 0.48 | 0.75 \* | 0.40 | 0.63 \* | 0.38 \* | 0.49 \*\* | 0.26 |
| [-0.02, 0.99] | [0.11, 1.39] | [-0.27, 1.07] | [0.14, 1.12] | [0.01, 0.74] | [0.14, 0.84] | [-0.08, 0.60] |
| Scanner ID | -0.39 | -0.62 | -0.23 | -0.33 | -0.10 | -0.35 \* | -0.20 |
| [-0.88, 0.10] | [-1.25, 0.01] | [-0.89, 0.42] | [-0.81, 0.15] | [-0.45, 0.26] | [-0.69, -0.01] | [-0.53, 0.14] |
| Age | 0.06 | -0.11 | -0.18 | 0.12 | 0.06 | 0.03 | 0.00 |
| [-0.45, 0.57] | [-0.76, 0.54] | [-0.86, 0.50] | [-0.38, 0.62] | [-0.31, 0.42] | [-0.32, 0.39] | [-0.34, 0.35] |
| R2 | 0.13 | 0.16 | 0.03 | 0.13 | 0.15 | 0.21 | 0.05 |
| *Note*. Numbers in brackets indicate 95% confidence interval. \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. | | | | | | | |