***eLife’s* transparent reporting form**

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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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No explicit power analysis was used. Sample sizes were based on final filtered data numbers. The data were filtered to control some of the limitations of the web-based sampling procedure. With over fifty-nine thousand participants, this is one of the largest cross-sectional studies in cognitive neuroscience; hence, the authors think the sample size is sufficient. This information can be found in the Materials and Methods section.

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* Statistical analysis methods should be described and justified
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* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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This information can be found in the Results and Materials and Methods sections, Supplementary file 1, and each figure legend.

(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

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* Include model definition files including the full list of parameters used
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R code for all analyses and figure generation was uploaded in the “Source Data” file. The R code includes each model definition and the full list of parameters used. These data that support each analysis, figure, and table are freely available at Dryad (<https://datadryad.org>) doi:10.5061/dryad.2867k2m.