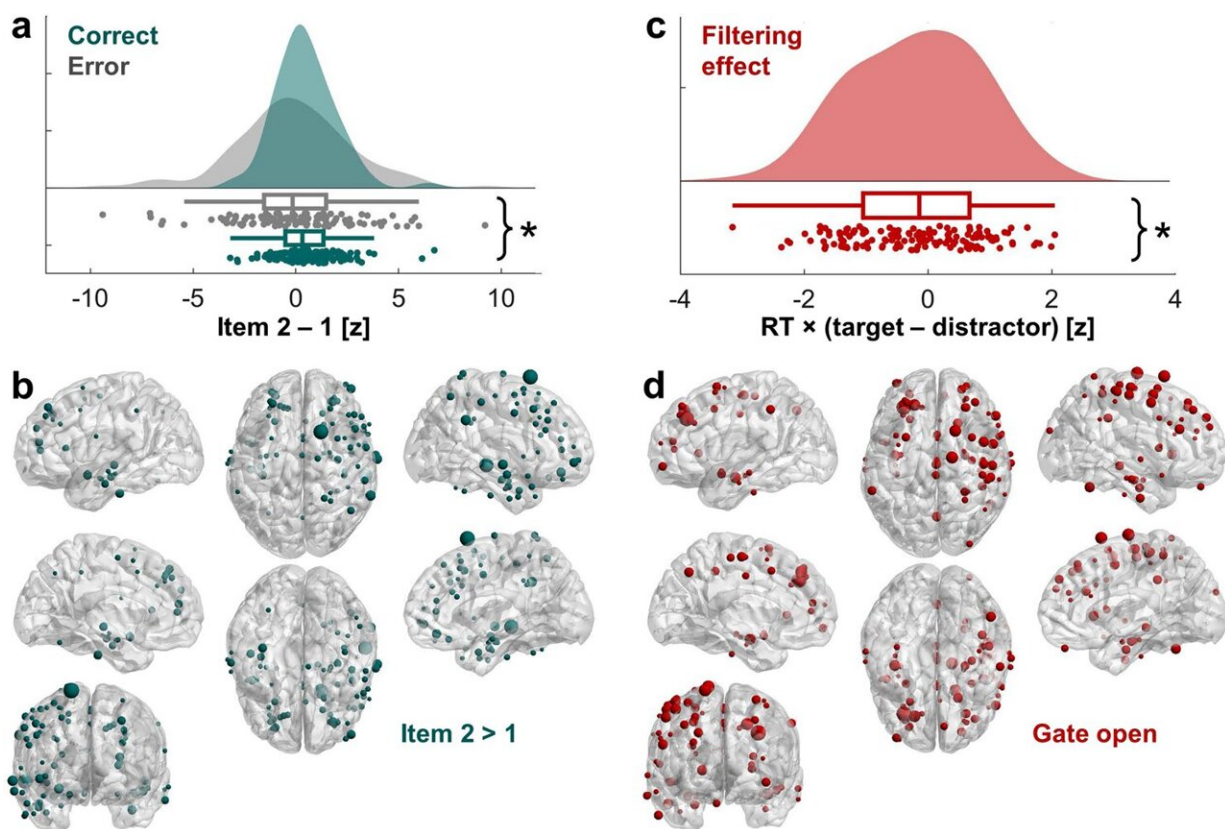


# Study establishes fluctuating 'gating' mechanisms supporting flexible brain behavior

June 5 2023, by Melissa Rohman



Regional HFB information accumulation and filtering effects supporting successful WM. a Successful CL performance was linked to increased HFB activity to the second over first item ( $F(1,255) = 13.082$ ,  $p = 0.0004$ ). Data are represented as individual electrode datapoints, and condition probability densities and medians calculated across electrodes from all subjects ( $n = 145$  electrodes from 11 biologically independent samples). Boxplots present the

medians and interquartile ranges, and whiskers the  $1.5 \times \text{IQR}$  from the quartile. Source data are provided as a Source Data file. \*p error effect in (a), overlaid on the MNI-152 template brain. Electrode size indicates the relative size of the item  $2 > 1$  difference on correct trials (0

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