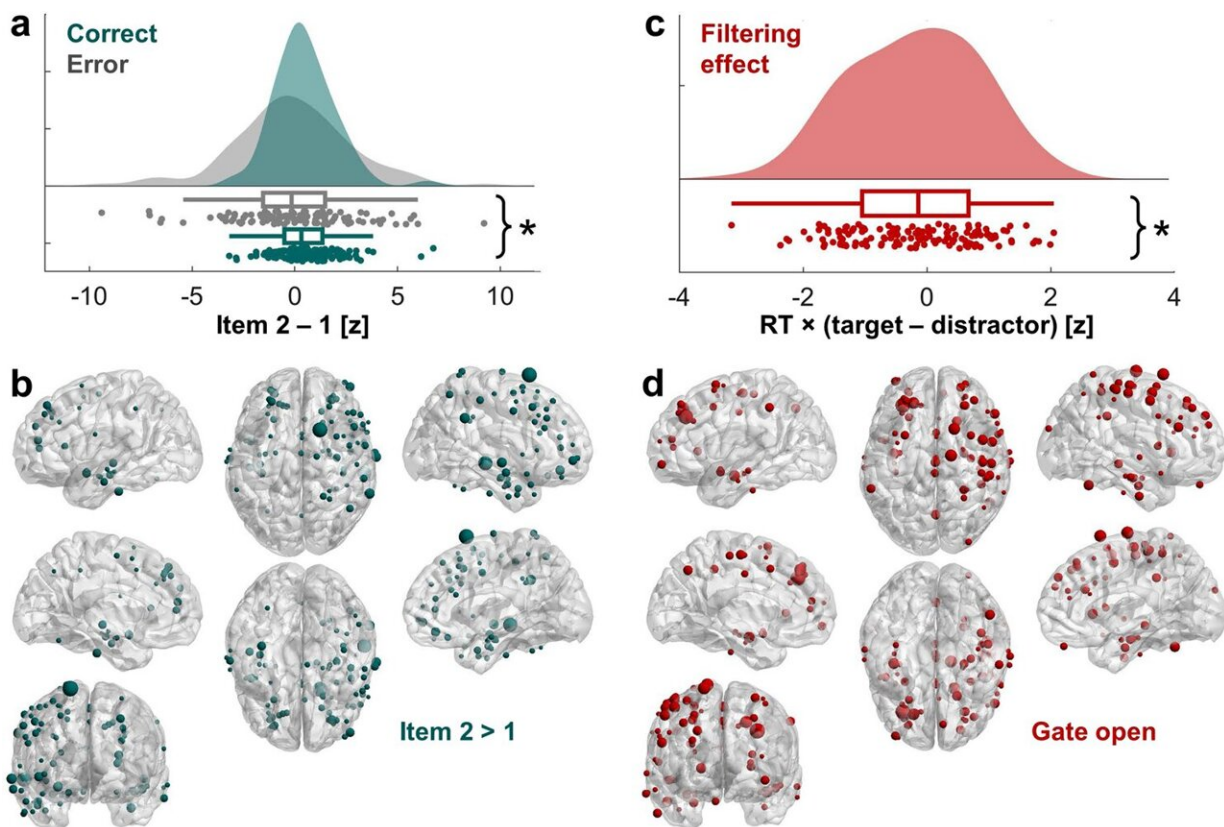


Study establishes fluctuating 'gating' mechanisms supporting flexible brain behavior

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 $1.5 \times$ 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

Citation: Study establishes fluctuating 'gating' mechanisms supporting flexible brain behavior (2023, June 5) retrieved 26 April 2024 from <https://medicalxpress.com/news/2023-06-fluctuating-gating-mechanisms-flexible-brain.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.