Moral reasoning found to display characteristic patterns in the brain

September 7 2023, by Harrison Tasoff

Cross-decoding of moral wrongness ratings. A multiclass (one-versus-one) linear SVM was trained to discriminate between each pair of condition-based moral
wrongness beta maps. a,b, For cross-decoding, moral wrongness beta maps from one condition were held out during training. The SVM was then used to classify the held-out moral wrongness beta map into one of the remaining seven conditions. c,d, For decoding, the SVM was provided with moral wrongness beta maps from all conditions during training and testing. Both cross-decoding and decoding SVMs were cross-validated via a LOSO pipeline. Voxels spanned the whole brain (a,c) and neurosynth ‘moral’ mask (b,d). Stars (*) indicate that the frequency of classifications is significantly ($P$)

Citation: Moral reasoning found to display characteristic patterns in the brain (2023, September 7) retrieved 12 September 2023 from https://medicalxpress.com/news/2023-09-moral-display-characteristic-patterns-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.