Resource Summary Report

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Generalized PPI Toolbox

RRID:SCR_009489
Type: Tool

Proper Citation

Generalized PPI Toolbox (RRID:SCR_009489)

Resource Information

URL: http://www.nitrc.org/projects/gppi/

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Description: An automated toolbox for a generalized form of psychophysiological interactions for SPM and FSFAST. The automated toolbox can do the following: (a1) produce identical results to the current implementation in SPM (a2) use the current implementation of PPI in SPM but using the regional mean instead of the eigenvariate (a3) use a generalized form that allows a PPI for each task to be in the same model using either the regional mean of eigenvariate (b) create the model using the output of one of the (a) options and the first level design (c) estimate the model (/results directory) (d) compute the contrasts specified.

Synonyms: Generalized Psychophysiological Interaction Toolbox

Resource Type: software resource, software toolkit

Keywords: magnetic resonance, psychophysiological interaction, fmri, neuroimaging, automated toolbox, spm, fsfast

Funding:

Availability: Acknowledgement requested, Available for download

Resource Name: Generalized PPI Toolbox

Resource ID: SCR_009489

Alternate IDs: nlx_155636

License: Personal license

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250523T054736+0000

Ratings and Alerts

No rating or validation information has been found for Generalized PPI Toolbox.

No alerts have been found for Generalized PPI Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 48 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Abutalebi J, et al. (2024) On the brain struggles to recognize basic facial emotions with face masks: an fMRI study. Frontiers in psychology, 15, 1339592.

Ogawa A, et al. (2023) Neural Basis of Social Influence of Observing Other's Perception in Dot-Number Estimation. Neuroscience, 515, 1.

Jaspers-Fayer F, et al. (2022) An fMRI study of cognitive planning before and after symptom provocation in pediatric obsessive-compulsive disorder. Journal of psychiatry & neuroscience : JPN, 47(6), E409.

Weidacker K, et al. (2021) Avoiding monetary loss: A human habenula functional MRI ultra-high field study. Cortex; a journal devoted to the study of the nervous system and behavior, 142, 62.

Liu S, et al. (2021) Brain responses to drug cues predict craving changes in abstinent heroin users: A preliminary study. NeuroImage, 237, 118169.

Wang J, et al. (2021) Reciprocal relations between reading skill and the neural basis of phonological awareness in 7- to 9-year-old children. NeuroImage, 236, 118083.

Jeye BM, et al. (2021) Support for an inhibitory model of word retrieval. Neuroscience letters, 755, 135876.

Vijayakumar S, et al. (2021) Neural mechanisms of predicting individual preferences based

on group membership. Social cognitive and affective neuroscience, 16(9), 1006.

Sugimoto H, et al. (2021) Memory of my victory and your defeat: Contributions of reward- and memory-related regions to the encoding of winning events in competitions with others. Neuropsychologia, 152, 107733.

Wang J, et al. (2021) Common Brain Substrates Underlying Auditory Speech Priming and Perceived Spatial Separation. Frontiers in neuroscience, 15, 664985.

Tsuruha E, et al. (2021) Effects of Aging on the Neural Mechanisms Underlying the Recollection of Memories Encoded by Social Interactions With Persons in the Same and Different Age Groups. Frontiers in behavioral neuroscience, 15, 743064.

Yan Z, et al. (2020) Hyperfunctioning of the right posterior superior temporal sulcus in response to neutral facial expressions presents an endophenotype of schizophrenia. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 45(8), 1346.

Markett S, et al. (2020) Specific and segregated changes to the functional connectome evoked by the processing of emotional faces: A task-based connectome study. Scientific reports, 10(1), 4822.

Tozzi L, et al. (2020) Connectivity of the Cognitive Control Network During Response Inhibition as a Predictive and Response Biomarker in Major Depression: Evidence From a Randomized Clinical Trial. Biological psychiatry, 87(5), 462.

Schultz J, et al. (2019) A human subcortical network underlying social avoidance revealed by risky economic choices. eLife, 8.

Ladouceur CD, et al. (2019) Neural systems underlying reward cue processing in early adolescence: The role of puberty and pubertal hormones. Psychoneuroendocrinology, 102, 281.

Green IW, et al. (2019) Anhedonia modulates the effects of positive mood induction on reward-related brain activation. NeuroImage, 193, 115.

He Z, et al. (2019) Neural substrates for anticipation and consumption of social and monetary incentives in depression. Social cognitive and affective neuroscience, 14(8), 815.

Ebrahimi C, et al. (2019) Opposing roles for amygdala and vmPFC in the return of appetitive conditioned responses in humans. Translational psychiatry, 9(1), 148.

Sun D, et al. (2018) Perceived Gaze Direction Modulates Neural Processing of Prosocial Decision Making. Frontiers in human neuroscience, 12, 52.