Resource Summary Report

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WFU Biological Parametric Mapping Toolbox

RRID:SCR_002613
Type: Tool

Proper Citation

WFU Biological Parametric Mapping Toolbox (RRID:SCR_002613)

Resource Information

URL: http://fmri.wfubmc.edu/software/Bpm

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Description: Software toolbox that performs SPM analysis with voxel-wise imaging covariates. The BPM toolbox incorporates information obtained from other modalities as regressors in a voxel-wise analysis, thereby permitting investigation of more sophisticated hypotheses. The BPM toolbox has been developed in Matlab with a user-friendly interface for performing analyses, including voxel-wise multimodal correlation, ANCOVA, and multiple regression. It has a high degree of integration with the SPM (statistical parametric mapping) software relying on it for visualization and statistical inference. Furthermore, statistical inference for a correlation field, rather than a widely used T-field, has been implemented in the correlation analysis for more accurate results. Requirements: * SPM2 or SPM5 * MATLAB version 6.5 or higher

Abbreviations: WFU_BPM, WFU BPM

Synonyms: BPM - Integrated Tool for Biological Parametric Mapping, WFU Biological Parametric Mapping, BPM toolbox, BPM

Resource Type: software toolkit, software application, image analysis software, data processing software, software resource

Defining Citation: PMID:17070709

Keywords: analyze, matlab, microsoft, magnetic resonance, nifti, posix/unix-like, statistical operation, win32 (ms windows), windows

Funding: Human Brain Project ;
NIBIB 1R01EB004673

Availability: WFU ANSIR License, Http://www.nitrc.org/include/glossary.php#494

Resource Name: WFU Biological Parametric Mapping Toolbox

Resource ID: SCR_002613

Alternate IDs: nlx_156016

Alternate URLs: http://www.nitrc.org/projects/wfu_bpm

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250509T055539+0000

Ratings and Alerts

No rating or validation information has been found for WFU Biological Parametric Mapping Toolbox.

No alerts have been found for WFU Biological Parametric Mapping Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Conwell K, et al. (2018) Test-retest variability of resting-state networks in healthy aging and prodromal Alzheimer's disease. NeuroImage. Clinical, 19, 948.

Richter N, et al. (2017) White matter lesions and the cholinergic deficit in aging and mild cognitive impairment. Neurobiology of aging, 53, 27.

Agosta F, et al. (2013) Divergent brain network connectivity in amyotrophic lateral sclerosis. Neurobiology of aging, 34(2), 419.

Luo C, et al. (2012) Patterns of spontaneous brain activity in amyotrophic lateral sclerosis: a resting-state FMRI study. PloS one, 7(9), e45470.