

Resource Summary Report

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PALM

RRID:SCR_017029

Type: Tool

Proper Citation

PALM (RRID:SCR_017029)

Resource Information

URL: <https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/PALM>

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Description: Software tool for inference using permutation methods. Requires Matlab or Octave. Can be executed from inside either environment, or directly from the shell and can be called from scripts. For users who are familiar with statistics and willing to use experimental analysis tools.

Abbreviations: PALM

Synonyms: PALM, Permutation Analysis of Linear Models

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

Defining Citation: [PMID:24530839](#), [PMID:26074200](#), [DOI:10.1002/hbm.23115](#), [PMID:27288322](#)

Keywords: statistics, permutation, bootstrap, non parametric, combination, inference

Funding: GlaxoSmithKline ;
Marie Curie ITN ;
Medical Research Council ;
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NIBIB R01 EB015611;
MRC G0900908;
Brazilian National Research Council

Availability: Free, Available for download, Freely available

Resource Name: PALM

Resource ID: SCR_017029

Alternate URLs: <https://github.com/andersonwinkler/PALM>

License URLs: GPL License

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260731T043005+0000

Ratings and Alerts

No rating or validation information has been found for PALM.

No alerts have been found for PALM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Sheng J, et al. (2025) Top-down attention and Alzheimer's pathology affect cortical selectivity during learning, influencing episodic memory in older adults. Science advances, 11(24), eads4206.

de Almeida Marcelino AL, et al. (2025) Lesion distribution and network mapping in dyskinetic cerebral palsy. Brain communications, 7(3), fcac228.

Häkkinen S, et al. (2025) Functional imaging of hippocampal layers using VASO and BOLD on the Next Generation (NexGen) 7T Scanner. bioRxiv : the preprint server for biology.

Dellert T, et al. (2025) Neural correlates of consciousness in an auditory no-report fMRI study. Current biology : CB, 35(23), 5721.

Aye N, et al. (2025) Longitudinal Changes of Quantitative Brain Tissue Properties Induced by Balance Training. Human brain mapping, 46(4), e70128.

Li L, et al. (2024) Transdiagnostic depression severity and its relationship to global and prefrontal-amygdala structural properties in people with major depression and post-traumatic stress disorder. Cerebral cortex (New York, N.Y. : 1991), 34(9).

Perrault AA, et al. (2024) A multidimensional investigation of sleep and biopsychosocial profiles with associated neural signatures. bioRxiv : the preprint server for biology.

Roelofs EF, et al. (2024) Longitudinal development of resting-state functional connectivity in adolescents with and without internalizing disorders. Neuroscience applied, 3.

Perrault AA, et al. (2024) A multidimensional investigation of sleep and biopsychosocial profiles with associated neural signatures. Research square.

Sheng J, et al. (2024) Top-down attention and Alzheimer's pathology impact cortical selectivity during learning, influencing episodic memory in older adults. bioRxiv : the preprint server for biology.

Tubiolo PN, et al. (2024) A tale of two n-backs: Diverging associations of dorsolateral prefrontal cortex activation with n-back task performance. bioRxiv : the preprint server for biology.

Mak E, et al. (2024) APOE ϵ 4 exacerbates age-dependent deficits in cortical microstructure. Brain communications, 6(1), ead351.

Taraku B, et al. (2024) Modulation of habenular and nucleus accumbens functional connectivity by ketamine in major depression. Brain and behavior, 14(6), e3511.

Salvan P, et al. (2023) Serotonin regulation of behavior via large-scale neuromodulation of serotonin receptor networks. Nature neuroscience, 26(1), 53.

Taraku B, et al. (2023) Ketamine treatment modulates habenular and nucleus accumbens static and dynamic functional connectivity in major depression. medRxiv : the preprint server for health sciences.

Schaper FLWVJ, et al. (2023) Mapping Lesion-Related Epilepsy to a Human Brain Network. JAMA neurology, 80(9), 891.

Zhu Z, et al. (2023) Brain network structural connectome abnormalities among youth with attention-deficit/hyperactivity disorder at varying risk for bipolar I disorder: a cross-sectional graph-based magnetic resonance imaging study. Journal of psychiatry & neuroscience : JPN, 48(4), E315.

Habig K, et al. (2023) Processing of sensory, painful and vestibular stimuli in the thalamus. Brain structure & function, 228(2), 433.

Jiang J, et al. (2023) White matter disconnection of left multiple demand network is associated with post-lesion deficits in cognitive control. Nature communications, 14(1), 1740.

van de Velden D, et al. (2023) Comparison of Resting-State EEG Network Analyses With and Without Parallel MRI in Genetic Generalized Epilepsy. Brain topography, 36(5), 750.