Resource Summary Report

Generated by PRECISE-TBI on Sep 16, 2026

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 analysis software, data processing software, software application, software resource

Defining Citation: PMID:24530839, PMID:26074200, DOI:10.1002/hbm.23115, PMID:27288322

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

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

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: 20260912T195847+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 58 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Xu Y, et al. (2026) Neural representation of time across complementary reference frames. eLife, 14.

Liu W, et al. (2026) Dual-axis myelination covariance drives the functional connectivity emergence during infancy. Nature communications, 17(1).

van der Plas E, et al. (2026) Threat and blame frames in political rhetoric about societal issues lead to neural and political polarization. Scientific reports, 16(1).

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), fcaf228.

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.

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

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

Tubiolo PN, et al. (2025) Tale of Two n-Backs: Diverging Associations of Dorsolateral Prefrontal Cortex Activation With n-Back Task Performance. Journal of neuroscience research, 103(2), e70021.

Mansour L S, et al. (2024) Topological cluster statistic (TCS): Toward structural connectivity-guided fMRI cluster enhancement. Network neuroscience (Cambridge, Mass.), 8(3), 902.

Liu SW, et al. (2024) Bridging Reduced Grip Strength and Altered Executive Function: Specific Brain White Matter Structural Changes in Patients with Alzheimer's Disease. Clinical interventions in aging, 19, 93.

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).

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. 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.

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.

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

Dong X, et al. (2024) How brain structure-function decoupling supports individual cognition and its molecular mechanism. Human brain mapping, 45(2), e26575.

Mak E, et al. (2024) APOE ?4 exacerbates age-dependent deficits in cortical microstructure. Brain communications, 6(1), fcad351.

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