Network Based Statistic Toolbox

RRID:SCR_002454
Type: Tool

Proper Citation

Network Based Statistic Toolbox (RRID:SCR_002454)

Resource Information

URL: https://sites.google.com/site/bctnet/comparison/nbs

Description: Matlab toolbox for testing hypotheses about the human connectome. NBS has been widely used to identify connections and networks comprising the connectome that are associated with an experimental effect or a between-group difference. User provides a series of connectivity matrices from different cohorts, or from the same subject during different experimental conditions. Connectivity matrices are inferred from neuroimaging data using other packages that, for example, count the number of tractography streamlines that interconnect each pair of regions (diffusion-MRI), or measure the extent of inter-regional correlation in BOLD response (fMRI). User specifies hypothesis to be tested at every connection with the general linear model. Features include: graphical user interface; NBSview, a basic network viewer modeled on SPMresults; exchange blocks for repeated measures; options to measure network size with intensity or extent; false discovery rate (FDR) option. Developed by Zalesky, Fornito, Cocchi and Bullmore.

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Resource Type: Resource, software resource, software toolkit

Keywords: connectivity analysis, domain independent, statistical operation, matlab

Resource ID: SCR_002454

Parent Organization: University of Melbourne; Victoria; Australia

References: PMID:20600983
Availability: GNU General Public License

Website Status: Last checked up

Alternate IDs: nlx_155826

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

Abbreviations: NBS

Mentions Count: 25

Ratings and Alerts

- 4 / 5 (1 votes) Rated at NITRC http://www.nitrc.org/projects/nbs

No alerts have been found for Network Based Statistic Toolbox.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


