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](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](https://www.ncbi.nlm.nih.gov/pubmed/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

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**Ratings and Alerts**


No alerts have been found for Network Based Statistic Toolbox.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**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](http://www.nitrc.org/projects/nbs).


