A network science toolbox for Brainlife

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Network from connectivity matrix

Preprocess network

Detect communities

Uses compressed JsonGraph (JGF) to store connections and metadata

Use this App to apply thresholds based on percentile. handles negative weights as layered networks

Implementation for Louvain, Infomap and SBM*

*SBM option will be available soon
Network measurements

Obtain several network measurements, including: strength, clustering coeff., centralities, etc.

Network visualization

Creates a simple visualization of the networks. Colors and size of nodes can be associated to other network properties.

Network report*

Build tables and plots for metadata and measurements stored in the networks.

*Network report will be available soon
What is next?

Interactive network visualizer