

Materials List for

Modeling the Functional Network for Spatial Navigation in the Human Brain

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Citation

Zhang, F., Zhang, C., Pu, Y., Kong, X.Z. Modeling the Functional Network for Spatial Navigation in the Human Brain. *J. Vis. Exp.* (200), e65150, doi:10.3791/65150 (2023).

Date Published

October 13, 2023

DOI

10.3791/65150

URL

jove.com/video/65150

Materials

| Name | Company | Catalog Number | Comments |
|--------------------------------------|------------------------------|----------------|--|
| Brain connectivity toolbox (BCT) | Mikail Rubinov & Olaf Sporns | 2019 | The Brain Connectivity Toolbox (brain-connectivity-toolbox.net) is a MATLAB toolbox for complex-network (graph) analysis of structural and functional brain-connectivity data sets. |
| GRETNA | Jinhui Wang et al. | 2 | GRETNA is a graph theoretical network analysis toolbox which allows researchers to perform comprehensive analysis on the topology of brain connectome by integrating the most of network measures studied in current neuroscience field. |
| MATLAB | MathWorks | 2021a | MATLAB is a programming and numeric computing platform used by millions of engineers and scientists to analyze data, develop algorithms, and create models. |
| Python | Guido van Rossum et al. | 3.8.6 | Python is a programming language that lets you work more quickly and integrate your systems more effectively. |
| Statistical Parametric Mapping (SPM) | Karl Friston et.al | 12 | Statistical Parametric Mapping refers to the construction and assessment of spatially extended statistical processes used to test hypotheses about functional imaging data. |