

Resource Summary Report

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Toolboxes for Spike and LFP Analysis project

RRID:SCR_021478

Type: Tool

Proper Citation

Toolboxes for Spike and LFP Analysis project (RRID:SCR_021478)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/toolboxes-ephys-analysis/>

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Description: Portal includes compared several toolboxes for spike and LFP analysis, connectivity analysis, dimensionality reduction, and generalized linear modeling. Discussion about major features of software available for Python and MATLAB including Brainstorm, Chronux, Elephant, FieldTrip, gramm, Spike Viewer, and SPIKY. They include succinct tables for assessing system and program requirements, quality of documentation and support, and data types accepted by each toolbox.

Synonyms: Toolboxes for Spike and LFP Analysis

Resource Type: data or information resource, portal, project portal

Defining Citation: [DOI:10.3389/fninf.2019.00057](https://doi.org/10.3389/fninf.2019.00057)

Keywords: List of compared toolboxes for spike and LFP analysis, connectivity analysis, dimensionality reduction, generalized linear modeling, assessing system and program requirements, quality of documentation and support, data types accepted, OpenBehavior

Availability: Free, Freely available

Resource Name: Toolboxes for Spike and LFP Analysis project

Resource ID: SCR_021478

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Record Last Update: 20260912T200110+0000

Ratings and Alerts

No rating or validation information has been found for Toolboxes for Spike and LFP Analysis project.

No alerts have been found for Toolboxes for Spike and LFP Analysis project.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.