Resource Summary Report

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DataJoint

RRID:SCR_014543
Type: Tool

Proper Citation

DataJoint (RRID:SCR_014543)

Resource Information

URL: https://datajoint.org/

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Description: MATLAB and Python 3 high-level programming interface for MySQL databases to support data processing chains in science labs. Specifically designed to provide robust and intuitive data model for scientific data processing chains.Used for scientific data pipelines and workflow management.

Synonyms: DataJoint: Data management for science labs

Resource Type: software application, software resource, data management software

Defining Citation: DOI:10.1101/031658

Keywords: programming interface, mysql, data processing chain, data model, MATLAB, Python, workflow management

Funding: NIH U24 NS116470

Availability: Free, Freely available

Resource Name: DataJoint

Resource ID: SCR_014543

License: LGPL License

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250412T055811+0000

Ratings and Alerts

No rating or validation information has been found for DataJoint.

No alerts have been found for DataJoint.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Köhler CA, et al. (2024) Facilitating the Sharing of Electrophysiology Data Analysis Results Through In-Depth Provenance Capture. eNeuro, 11(6).

Fu J, et al. (2024) Heterogeneous orientation tuning in the primary visual cortex of mice diverges from Gabor-like receptive fields in primates. Cell reports, 43(8), 114639.

Guidera JA, et al. (2024) Regional specialization manifests in the reliability of neural population codes. bioRxiv : the preprint server for biology.

Mosberger AC, et al. (2024) Exploration biases forelimb reaching strategies. Cell reports, 43(4), 113958.

Lee KH, et al. (2024) Spyglass: a framework for reproducible and shareable neuroscience research. bioRxiv : the preprint server for biology.

Obenhaus HA, et al. (2022) Functional network topography of the medial entorhinal cortex. Proceedings of the National Academy of Sciences of the United States of America, 119(7).

Pettit NL, et al. (2022) Fos ensembles encode and shape stable spatial maps in the hippocampus. Nature, 609(7926), 327.

Claudi F, et al. (2022) Innate heuristics and fast learning support escape route selection in mice. Current biology : CB, 32(13), 2980.

Spacek MA, et al. (2022) Robust effects of corticothalamic feedback and behavioral state on movie responses in mouse dLGN. eLife, 11.

, et al. (2021) Standardized and reproducible measurement of decision-making in mice.

eLife, 10.

Reimer ML, et al. (2021) Core principles for the implementation of the neurodata without borders data standard. Journal of neuroscience methods, 348, 108972.

Matelsky JK, et al. (2021) An Integrated Toolkit for Extensible and Reproducible Neuroscience. Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference, 2021, 2413.

Urai AE, et al. (2021) Citric Acid Water as an Alternative to Water Restriction for High-Yield Mouse Behavior. eNeuro, 8(1).

Kohn JR, et al. (2021) Flexible filtering by neural inputs supports motion computation across states and stimuli. Current biology : CB, 31(23), 5249.

Johnson EC, et al. (2020) Toward a scalable framework for reproducible processing of volumetric, nanoscale neuroimaging datasets. GigaScience, 9(12).

Zhao Z, et al. (2020) The temporal structure of the inner retina at a single glance. Scientific reports, 10(1), 4399.

Laturnus S, et al. (2020) A Systematic Evaluation of Interneuron Morphology Representations for Cell Type Discrimination. Neuroinformatics, 18(4), 591.

Heath SL, et al. (2020) Circuit Mechanisms Underlying Chromatic Encoding in Drosophila Photoreceptors. Current biology : CB, 30(2), 264.

Liu G, et al. (2019) Target specific functions of EPL interneurons in olfactory circuits. Nature communications, 10(1), 3369.

Cadena SA, et al. (2019) Deep convolutional models improve predictions of macaque V1 responses to natural images. PLoS computational biology, 15(4), e1006897.