Resource Summary Report

Generated by SPARC SAWG on Aug 23, 2026

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: data management software, software application, software resource

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: 20260821T194023+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 39 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Ding Z, et al. (2026) Functional bipartite invariance in mouse primary visual cortex receptive fields. Nature neuroscience, 29(4), 851.

Evangelou A, et al. (2026) EthoPy provides an accessible platform for reproducible behavioral neuroscience. Cell reports methods, 6(6), 101421.

Senne RA, et al. (2026) Diurnal rhythms of choice: a novel state-dependent drift diffusion model uncovers time-dependent changes in rat decision making. Research square.

Benquet C, et al. (2026) Visual uncertainty and task demands shape active sensing strategies in mice. Current biology : CB, 36(14), 3523.

Heiser H, et al. (2025) Brain-wide microstrokes affect the stability of memory circuits in the hippocampus. Nature communications, 16(1), 3462.

Schmors L, et al. (2025) Effects of corticothalamic feedback depend on visual responsiveness and stimulus type. iScience, 28(6), 112481.

Oesterle J, et al. (2025) Task-specific regional circuit adaptations in distinct mouse retinal ganglion cells. Science advances, 11(17), eadp7075.

Dyszkant N, et al. (2025) Photoreceptor degeneration has heterogeneous effects on functional retinal ganglion cell types. The Journal of physiology, 603(21), 6599.

Ding Z, et al. (2025) Functional connectomics reveals general wiring rule in mouse visual cortex. Nature, 640(8058), 459.

Diamanti EM, et al. (2025) Working memory expands shared task representations in cortex. bioRxiv : the preprint server for biology.

Sutlief E, et al. (2025) Reward-reset interval timing drives patch foraging decisions through neural state transitions in dorsomedial striatum. bioRxiv : the preprint server for biology.

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

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.

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.

Reimer ML, et al. (2024) A FAIR, open-source virtual reality platform for dendritic spine analysis. Patterns (New York, N.Y.), 5(9), 101041.

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.

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