

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

## Behavioral Segmentation of Open-field in DeepLabCut

RRID:SCR\_021385

Type: Tool

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### Proper Citation

Behavioral Segmentation of Open-field in DeepLabCut (RRID:SCR\_021385)

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### Resource Information

**URL:** <https://github.com/YttriLab/B-SOID>

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**Description:** Software pipeline that pairs unsupervised pattern recognition with supervised classification to achieve fast predictions of behaviors that are not predefined by users. Unsupervised learning algorithm that discovers and classifies actions based on inherent statistics of data points provided.

**Abbreviations:** B-SOiD

**Synonyms:** B-SOiD v2.0

**Resource Type:** software application, data analysis software, software resource, data processing software, software toolkit

**Defining Citation:** [DOI:10.1101/770271](https://doi.org/10.1101/770271)

**Keywords:** OpenBehavior, pairs unsupervised pattern recognition, supervised classification, behavior predictions, discovers actions, classifies actions

**Availability:** Free, Available for download, Freely Available

**Resource Name:** Behavioral Segmentation of Open-field in DeepLabCut

**Resource ID:** SCR\_021385

**Alternate URLs:** <https://edspace.american.edu/openbehavior/project/b-soid-unsupervised-behavior-analysis/>

**License:** GNU General Public License v3.0

**Record Creation Time:** 20220129T080355+0000

**Record Last Update:** 20260729T044518+0000

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## Ratings and Alerts

No rating or validation information has been found for Behavioral Segmentation of Open-field in DeepLabCut.

No alerts have been found for Behavioral Segmentation of Open-field in DeepLabCut.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Ibáñez Alcalá RJ, et al. (2024) RECORD, a high-throughput, customizable system that unveils behavioral strategies leveraged by rodents during foraging-like decision-making. Communications biology, 7(1), 822.

Vickers ED, et al. (2024) Pan-cortical 2-photon mesoscopic imaging and neurobehavioral alignment in awake, behaving mice. eLife, 13.

Koch ET, et al. (2024) Deep behavioural phenotyping of the Q175 Huntington disease mouse model: effects of age, sex, and weight. BMC biology, 22(1), 121.

Vickers ED, et al. (2023) Pan-cortical 2-photon mesoscopic imaging and neurobehavioral alignment in awake, behaving mice. bioRxiv : the preprint server for biology.

Huang K, et al. (2023) Rapid, automated, and experimenter-free touchscreen testing reveals reciprocal interactions between cognitive flexibility and activity-based anorexia in female rats. eLife, 12.

Hsu AI, et al. (2021) B-SOiD, an open-source unsupervised algorithm for identification and fast prediction of behaviors. Nature communications, 12(1), 5188.