

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

DANNCE

RRID:SCR_023061

Type: Tool

Proper Citation

DANNCE (RRID:SCR_023061)

Resource Information

URL: <https://github.com/spoonssso/dannce>

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Description: Convolutional neural network that calculates 3D positions of user-defined anatomical landmarks on behaving animals from videos taken at multiple angles. Works on recorded video data from multiple cameras. Used for 3D markerless pose estimation and tracking.

Synonyms: 3-Dimensional Aligned Neural Network for Computational Ethology

Resource Type: 3d visualization software, data processing software, data visualization software, software application, software resource

Keywords: OpenBehavior, track animals, pose information, 3D positions, video data, multiple cameras, 3D markerless pose estimation and tracking,

Availability: Free, Available for download, Freely available

Resource Name: DANNCE

Resource ID: SCR_023061

Alternate URLs: <https://edspace.american.edu/openbehavior/?s=DANNCE>

Record Creation Time: 20221228T050157+0000

Record Last Update: 20260905T133018+0000

Ratings and Alerts

No rating or validation information has been found for DANNCE.

No alerts have been found for DANNCE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Rose F, et al. (2026) Deep Imputation for Skeleton data (DISK) for behavioral science. Nature methods, 23(1), 236.

Jiang H, et al. (2025) DCAF7 recruits USP2 to facilitate hepatocellular carcinoma progression by suppressing clockophagy-induced ferroptosis. Cell death & disease, 16(1), 654.