

Resource Summary Report

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OpenPose

RRID:SCR_022362

Type: Tool

Proper Citation

OpenPose (RRID:SCR_022362)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/mmop/>

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Description: Software tool as multi subject keypoint detection library for real time pose estimation. Used to track behavior of monkeys in natural environments, without disrupting their typical pattern of behavior. Deep learning software system for body, face, hands, and foot estimation in monkeys.

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

Defining Citation: [DOI:10.1101/2021.01.28.428726](https://doi.org/10.1101/2021.01.28.428726)

Keywords: OpenBehavior, tracking limb orientation, behavior measurement, freely moving, realtime recording and analysis, video analysis

Availability: Free, Available for download, Freely available

Resource Name: OpenPose

Resource ID: SCR_022362

Alternate URLs: <https://github.com/CMU-Perceptual-Computing-Lab/openpose>

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Record Creation Time: 20220602T050140+0000

Record Last Update: 20260805T044500+0000

Ratings and Alerts

No rating or validation information has been found for OpenPose.

No alerts have been found for OpenPose.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Efthimiou TN, et al. (2025) duet: An R package for dyadic analysis of motion data generated by OpenPose. Behavior research methods, 57(11), 295.

O'Neill GC, et al. (2025) Combining video telemetry and wearable MEG for naturalistic imaging. Imaging neuroscience (Cambridge, Mass.), 3.

Jahn L, et al. (2025) Comparison of marker-less 2D image-based methods for infant pose estimation. Scientific reports, 15(1), 12148.

Lee GY, et al. (2025) Medication versus globus pallidus internus deep brain stimulation in Parkinson's disease with deep learning video analysis of finger tapping. Scientific reports, 15(1), 17557.

Diaz-Rojas F, et al. (2024) Estimation of human body 3D pose for parent-infant interaction settings using azure Kinect and OpenPose. MethodsX, 13, 102861.

Mizuta N, et al. (2024) Characteristics of limb kinematics in the gait disorders of post-stroke patients. Scientific reports, 14(1), 3082.

Bauer A, et al. (2024) Phonetic differences between affirmative and feedback head nods in German Sign Language (DGS): A pose estimation study. PloS one, 19(5), e0304040.

Wakabayashi H, et al. (2024) Development of a Personal Guide Robot That Leads a Guest Hand-in-Hand While Keeping a Distance. Sensors (Basel, Switzerland), 24(7).

Hu H, et al. (2022) Towards a Visualizable, De-identified Synthetic Biomarker of Human Movement Disorders. Journal of Parkinson's disease, 1(-1), 2085.