BehaviorDEPOT

RRID:SCR_023602
Type: Tool

Proper Citation

BehaviorDEPOT (RRID:SCR_023602)

Resource Information

URL: https://github.com/DeNardoLab/BehaviorDEPOT

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Description: Software tool for automated behavioral detection based on markerless pose tracking. Behavioral analysis tool to first compile and clean point-tracking output from DeepLabCut, and then classify behavioral epochs using custom behavior classifiers. Used to detect frame by frame behavior from video time series and can analyze results of common experimental assays, including fear conditioning, decision-making in T-maze, open field, elevated plus maze, and novel object exploration. Calculates kinematic and postural statistics from keypoint tracking data from pose estimation software outputs.

Resource Type: software resource, source code

Defining Citation: PMID:35997072

Keywords: OpenBehavior, automated behavioral detection, markerless pose tracking, detect frame by frame behavior, video time series, kinematic and postural statistics,

Funding: NIMH K01MH116264;
NIMH K08MH116125;
Whitehall Foundation ;
Simonsen Foundation ;
NSF ;
NIMH T32MH073526;
Brain Research Foundation ;
Brain and Behavior Research Foundation

Availability: Free, Available for download, Freely available

Resource Name: BehaviorDEPOT

Resource ID: SCR_023602

Alternate URLs: https://edspace.american.edu/openbehavior/project/behaviordepot/

Record Creation Time: 20230527T050216+0000

Record Last Update: 20250410T071627+0000

Ratings and Alerts

No rating or validation information has been found for BehaviorDEPOT.

No alerts have been found for BehaviorDEPOT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.