

Resource Summary Report

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CaT-z

RRID:SCR_023399

Type: Tool

Proper Citation

CaT-z (RRID:SCR_023399)

Resource Information

URL: https://github.com/CaT-zTools/CaT-z_Software

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Description: Software tool for 3D tracking and automatic classification of rodent behavior. Used for acquisition, annotation, and automatic behavioral profile characterization of laboratory rodents' RGB-D videos. Utilizes video segmentation, tracking of body parts, and automated classification of behaviors through machine learning and computer vision methods. Setup uses low costing RGB-D cameras for tracking behaviors in various environments. Software includes GUI interfaces for video acquisition, annotation, and processing of behavioral data. Software is capable of automated behavior detection with only 30 minutes of annotated video.

Synonyms: Classification and Tracking in depth (z)

Resource Type: software resource

Defining Citation: [DOI:10.3758/s13428-020-01381-9](https://doi.org/10.3758/s13428-020-01381-9)

Keywords: 3D tracking, automatic classification, rodent behavior, behavioral analysis, individual rats, automated behavior detection, OpenBehavior

Funding: Portugal National Funds

Availability: Free, Available for download, Freely available

Resource Name: CaT-z

Resource ID: SCR_023399

Alternate URLs: <https://edspace.american.edu/openbehavior/project/cat-z/>

Record Creation Time: 20230323T050208+0000

Record Last Update: 20260815T182734+0000

Ratings and Alerts

No rating or validation information has been found for CaT-z.

No alerts have been found for CaT-z.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.