Datasets for Benchmarking Pose Estimation

Large-scale datasets that can be used to evaluate different aspects of pose estimation models (2D, 3D, tracking, different organisms)

Dataset	Task	Setting	Organism
AP-10K	2D Pose Estimation	Images of diverse animal species with annotated poses	Diverse species, Naturalistic settings
MARS	2D Pose Estimation	Videos from 2 camera views with annotated poses	Mouse, Social interactions
3D-ZEF	2D/3D Multi-Object Tracking	Videos from 2 camera views with annotated poses	Zebrafish
OpenMonkeyStudio	2D/3D Pose Estimation	Images with annotated poses from a 62 camera setup	Monkey
PAIR-R24M	2D/3D Pose Estimation & Tracking	Videos from 12 camera views with poses from motion capture	Rat, Social interactions
Rat 7M	2D/3D Pose Estimation	Videos from 12 camera views with poses from motion capture	Rat, Motor behavior
SLEAP	2D Pose Estimation & Tracking	Videos from single view of animals in common lab settings	Fly, mouse, bees, gerbils