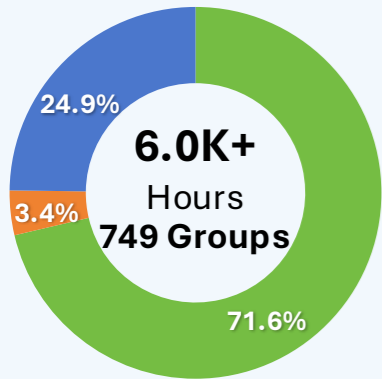


## Heterogeneous Data Sources

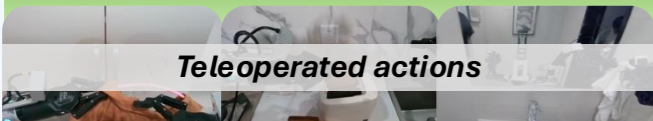


- Human
- Robot
- Simulation

### Human Egocentric Video



### Robot Demonstrations

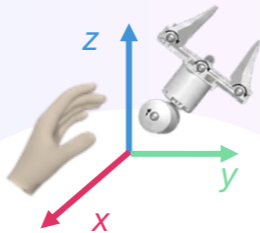


### Simulation Rollouts



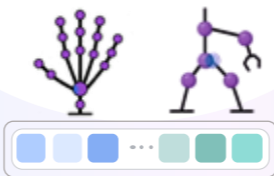
## Spatial

Canonical Action Space Construction



# ACE-Ego-0

Unified Action Representation

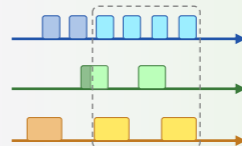


## Structural

Cross-Embodiment Morphology Conditioning

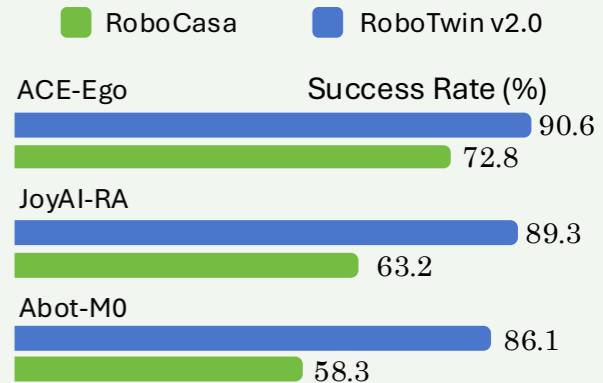
## Temporal

Time-Aligned Action Chunking



## Evaluation

Simulation and Real Robots



### Real-world Success



Scooping and Pouring



Packing Shoes



Stacking Bowls



Dustpan Sweeping