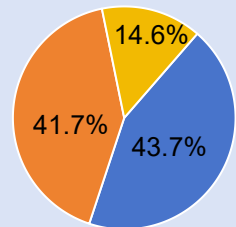


Data Collection & Reward Labelling



Expert Demonstrations



Suboptimal Demonstrations



Policy Rollouts

- Expert Demonstrations
- Policy Rollouts
- Suboptimal human Data

A) *Pick up pen and put it in the container*
 B) *Move forward to the whiteboard and clean it*
 ...
Language Instruction

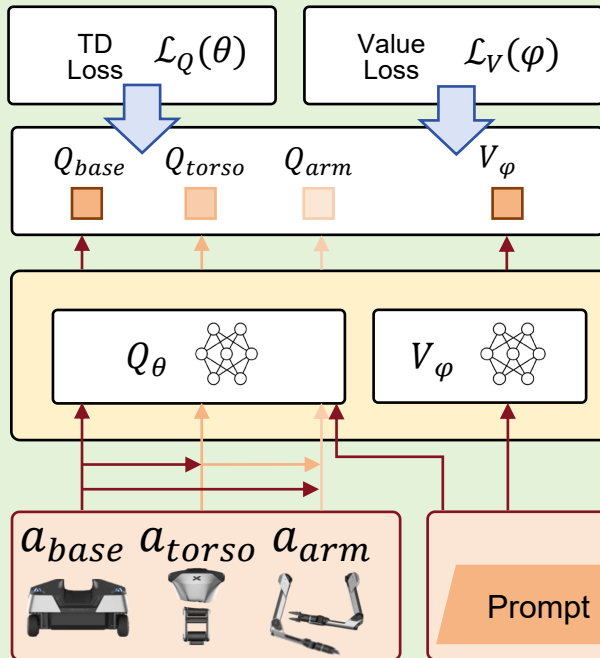


$\{(s, a, r, s')\}$

Mixed-Quality Dataset

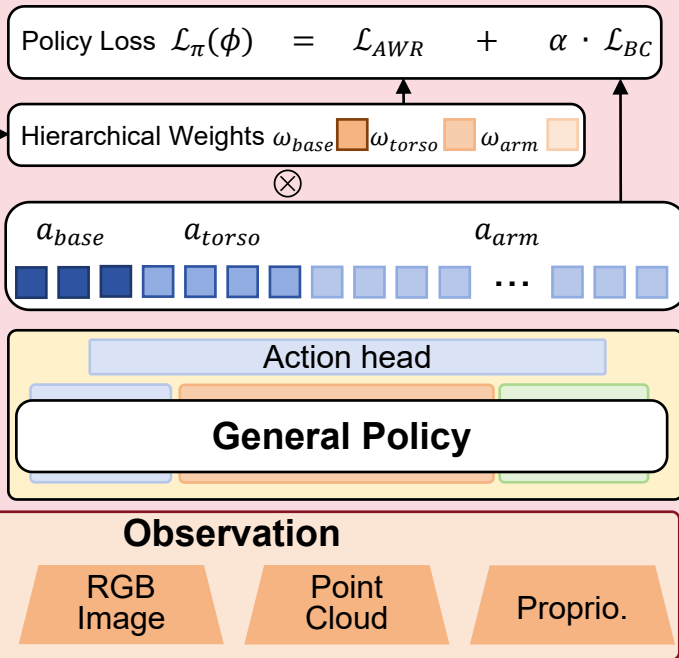
Dataset Construction

Value Learning Objective



Value Learning

Policy Learning Objective



Policy Learning