



Simon Hirländer

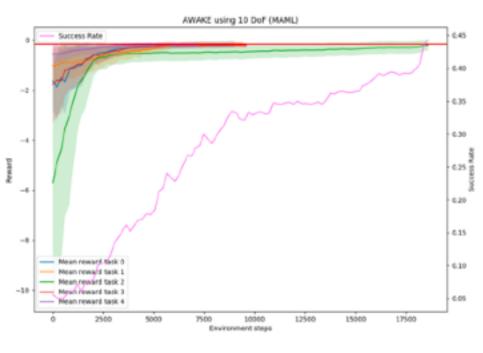
Tutorial RL4AA

Experiments Overview

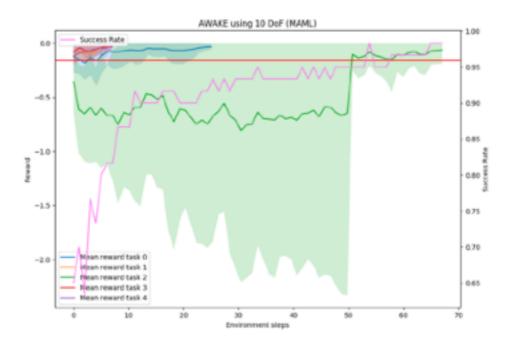
AWAKE - 10 magnets, varying the quad-strengths

Using a stable and monotonic algorithm

Adapt quickly to actual setting - <u>few shot adaption</u>



Untrained ~ 18000 samples 40% success



Meta-trained ~80 samples 100% success ~ **few steps on the machine**

Work with Lukas Lamminger Kain Verena

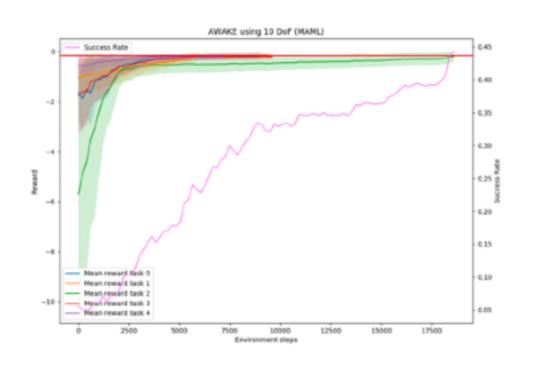


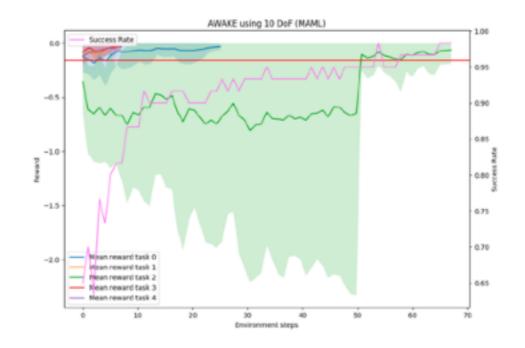


Demonstrated on the machine

Experiments Overview

- AWAKE 10 magnets, varying the quad-strengths
- Using a stable and monotonic algorithm
- Adapt quickly to actual setting few shot adaption





Untrained ~ 18000 samples 40% success

Meta-trained ~80 samples 100% success ~ **few steps on the machine**





Demonstrated on the machine



Part II: safe shallow model-based RL



