

Feedback: Gerrit Bartels

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- Nice references.
- The environment tends to have a sparse reward.
- Tackle the sparse reward problem by using Hindsight Experience Replay HER as mentioned in the lecture.
- Curriculum Learning could in this case also help to face the sparse reward problem.
- A sparse reward problem could also be faced with a Decision Transformer.
- Small action space: A simple DQN should be enough.
- Personally I would check if self-attention (see Vision-Transformer, DETR-paper) increases the performance
- Which paper references to the gym?
- Besides, I would check if in the lecture presented Policy Gradient algorithms such as TD3 and SAC achieve similar performance results as the DQN.