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Insights and Takeaways



Straightforward

Compatible with any model-free RL algorithm

Fast (no decision-time planning)

Strong performance in DMControl

Representation is task agnostic

Quantization (empirically) prevents dimensional collapse

Insights

Learning a high-dimensional latent state (d=512/1024) makes Q-learning easier...

Difficulty of Q-learning is due to complex dynamics, not high-dimensional observations

aidan.scannell@aalto.fi Email: Website: www.aidanscannell.com

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