Deep RL agents perform hidden Shortcut Reinforcement Learning. RL agents must rely on human understandable concepts.

Interpretable Concept Bottlenecks to Align Reinforcement Learning Agents









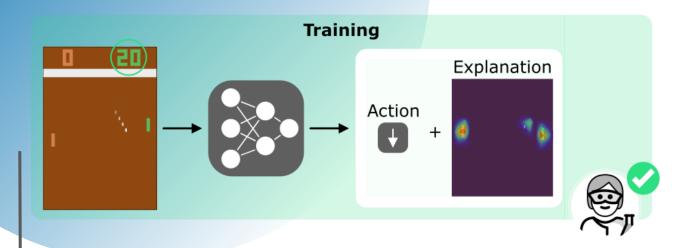




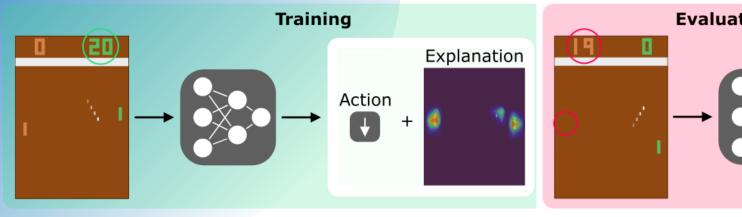


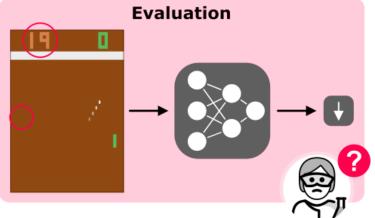
Kristian Kersting

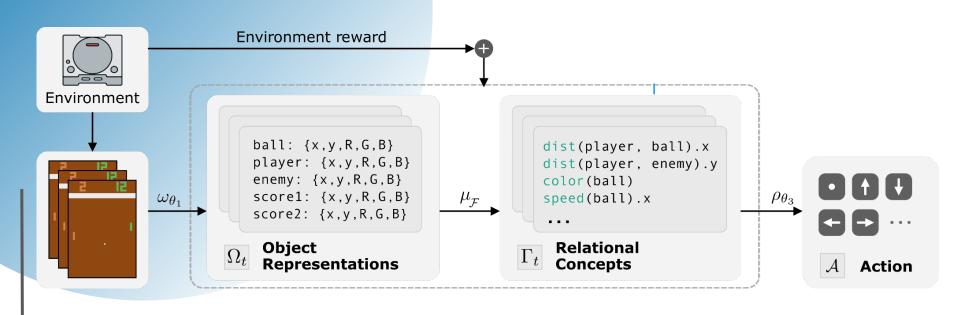
Can we interpret deep agents?

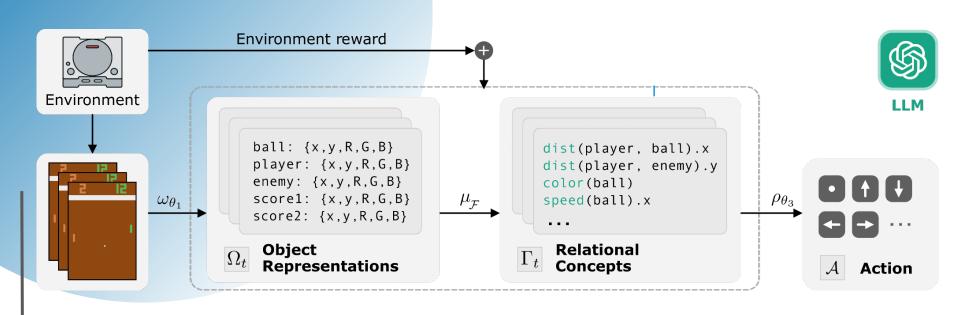


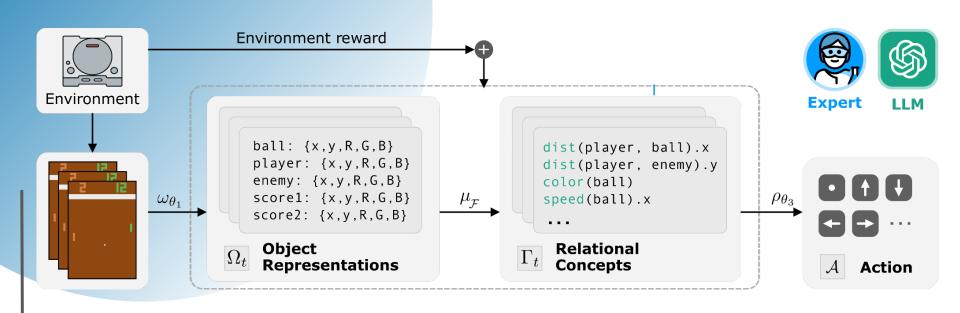
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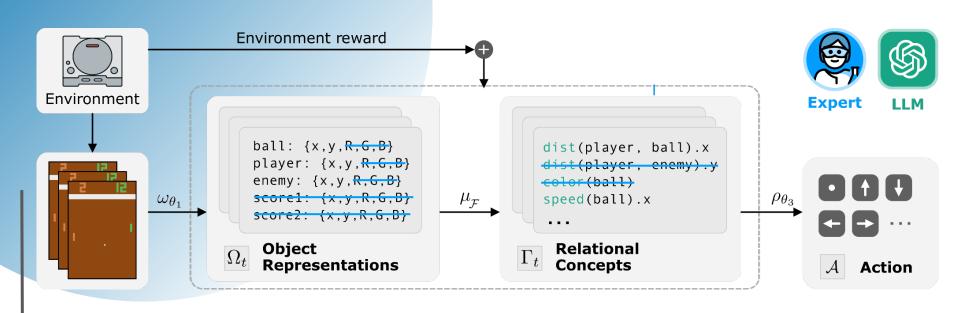


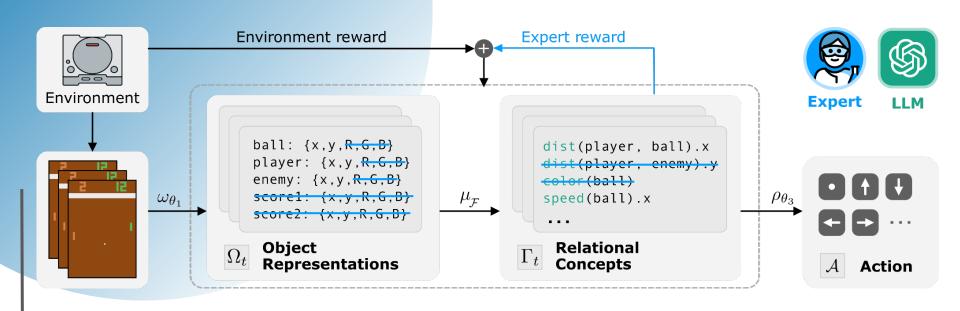




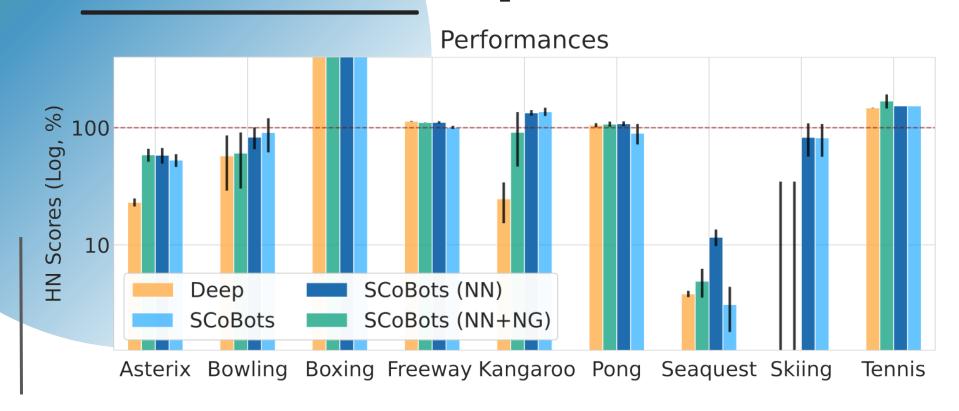




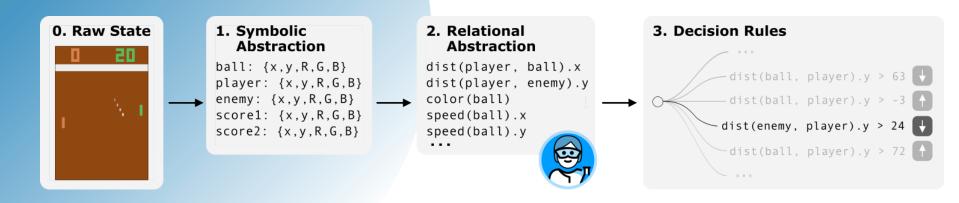




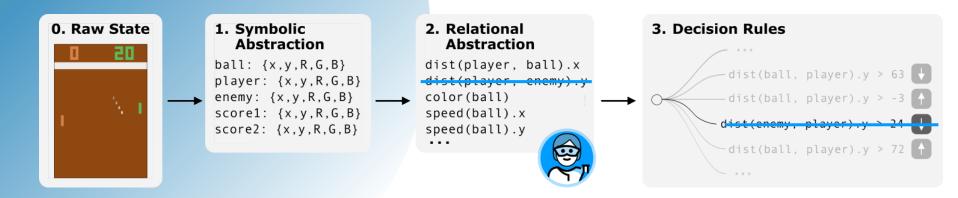
SCoBots are competitive



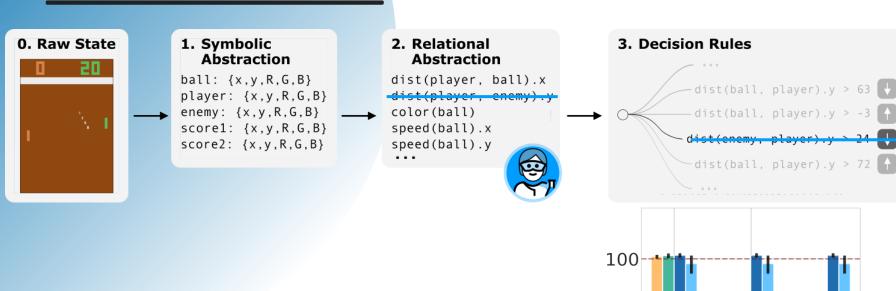
SCoBots' can be realigned!



SCoBots' can be realigned!

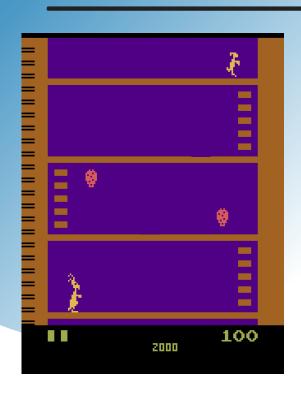


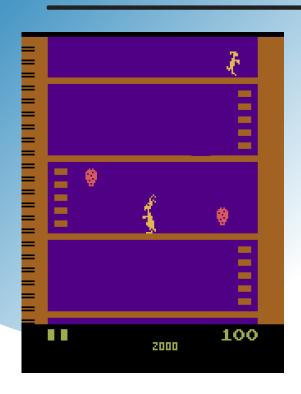
SCoBots' can be realigned!

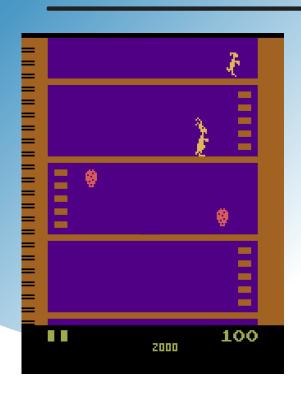


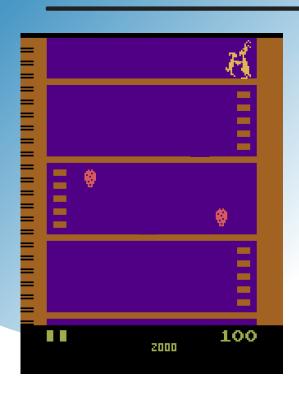


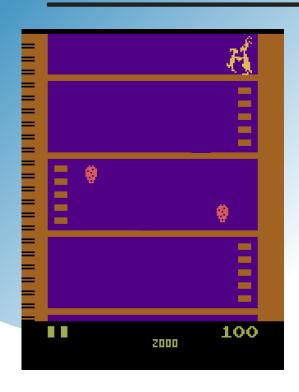


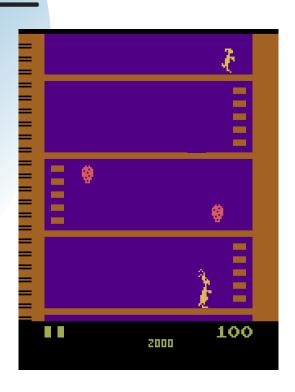


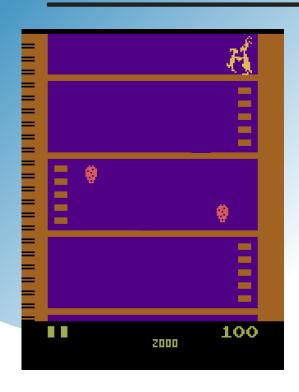


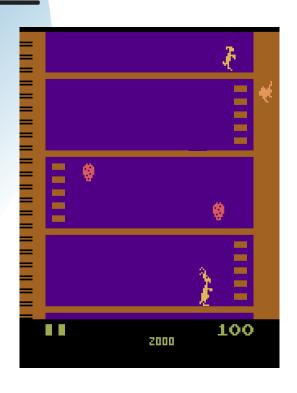


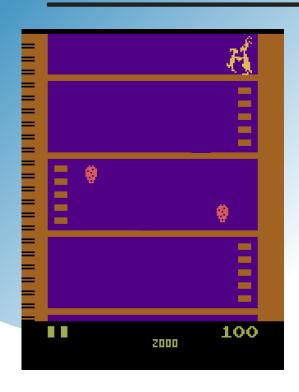


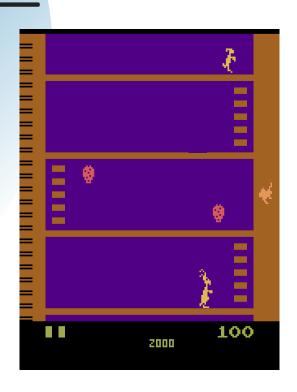


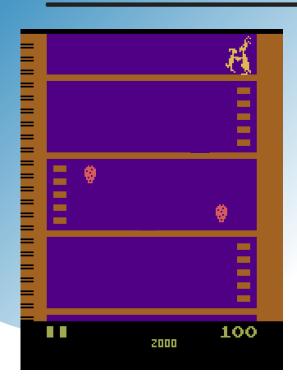




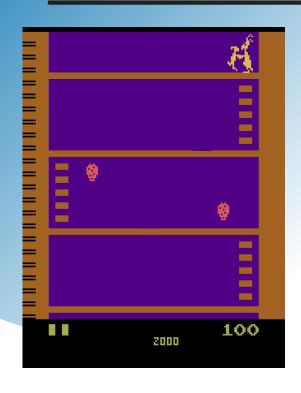


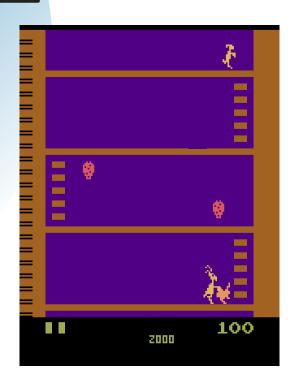


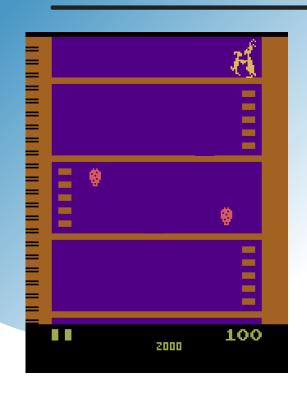


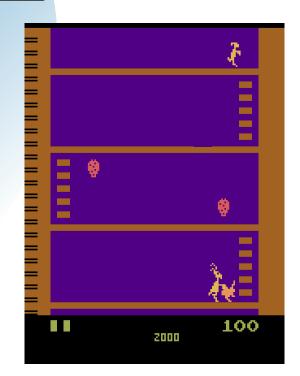


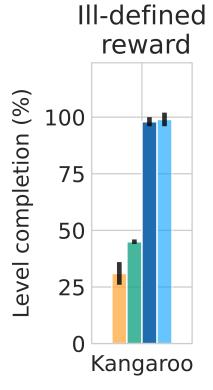






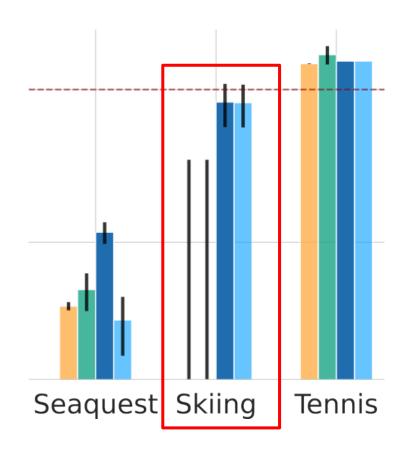




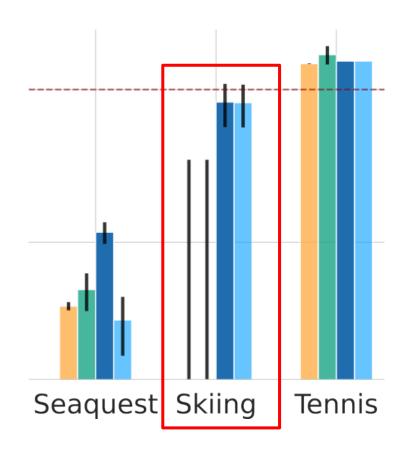












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Open source: github.com/k4ntz/
SCoBots



