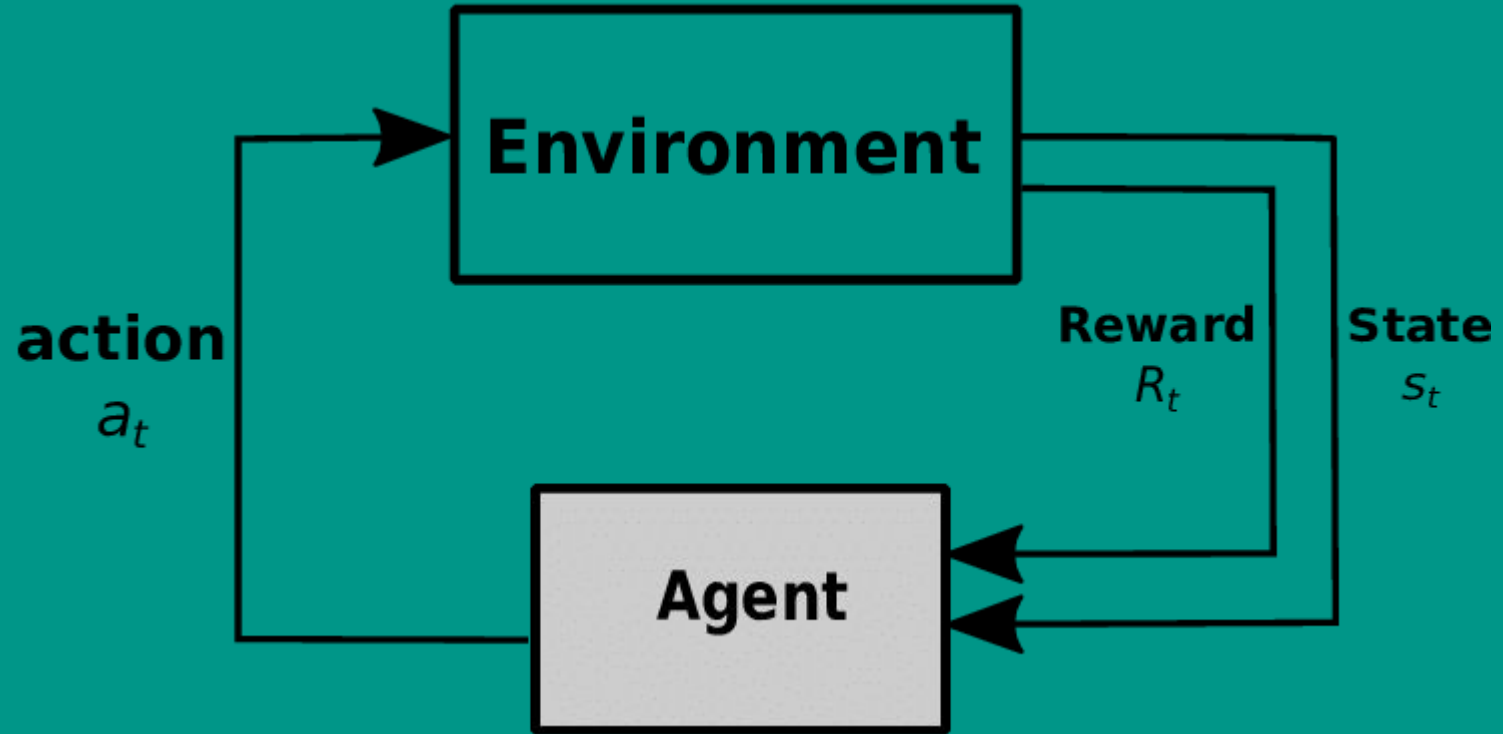


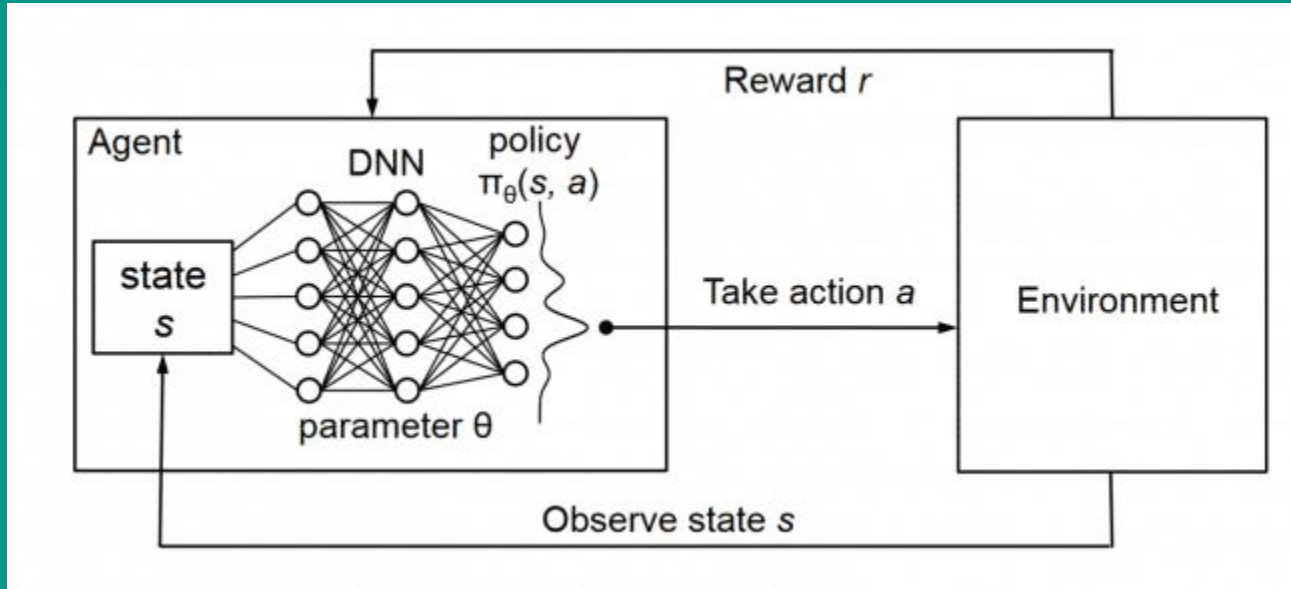
Deep Q- Learning Parameter Search: Lunar Lander Simulation

By Shilpa Kancharla

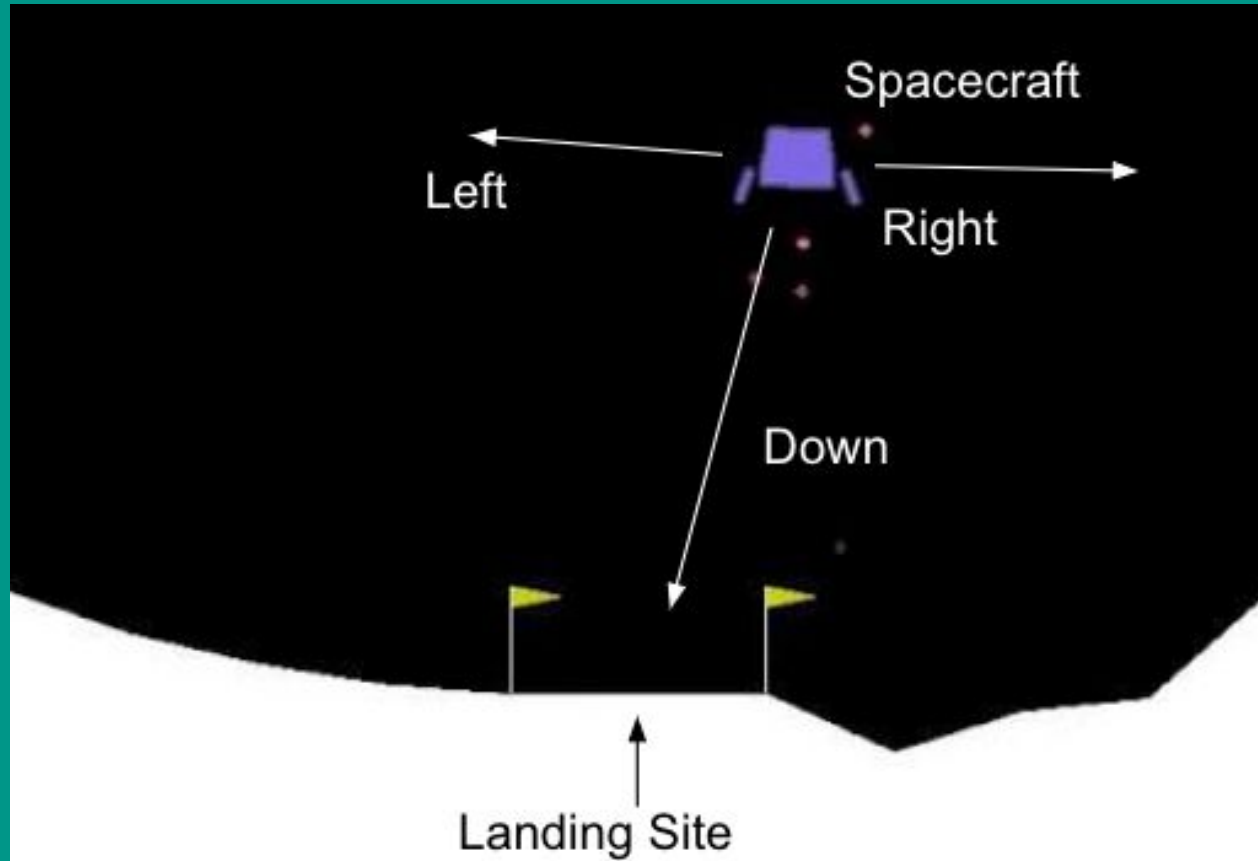
What is reinforcement learning?

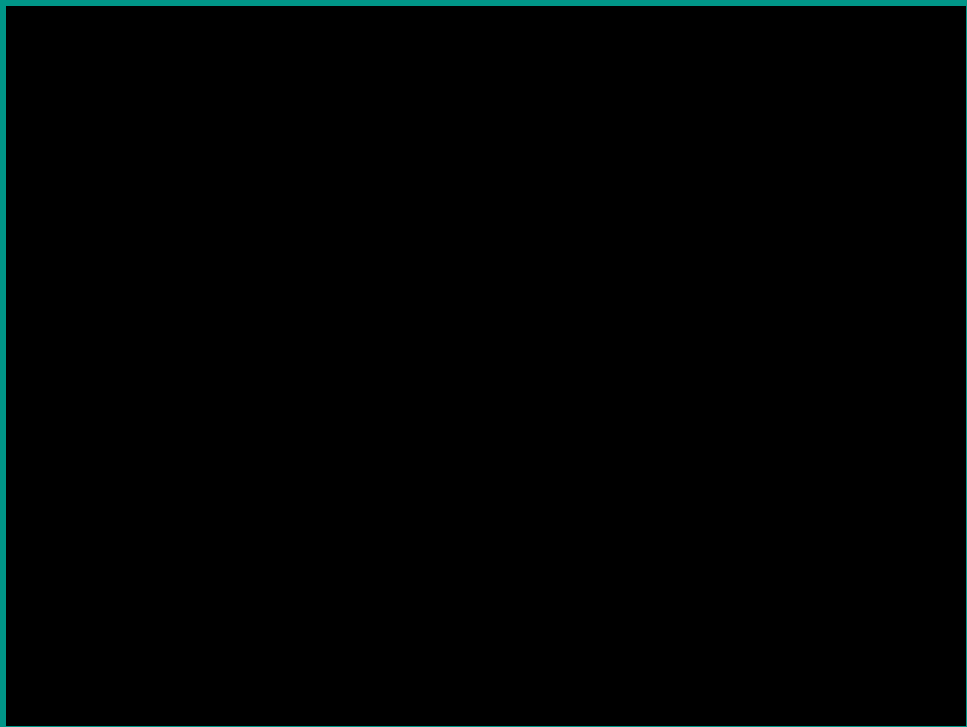


Deep Q-learning



Lunar Lander Simulation





Parameters

- ϵ : probability of choosing a random option and not going with the greedy choice
- ϵ -decay: factor by which ϵ decreases and provides a balance between exploration and exploitation
- α : learning rate, which controls how rapidly the model is adapted to the problem
- γ : discount factor that quantifies how much importance is given for future rewards

Best Results

