5. Parameter Tuning

Effects of adjusting epsilon

0 points possible (ungraded)

Ungrading Note: The problem is now ungraded because there has been a lot of confus

In this question, you will investigate the impact of ε on the convergence of Q-learning a below do you observe from running the algorithm?

- [x] For very large ε (say $\varepsilon = 1$), the algorithm converges slower compared to $\varepsilon = 0$
- [ ] For very large ε (say $\varepsilon = 1$), the algorithm converges faster compared to $\varepsilon = 0$.
- [ ] For very small ε (say $\varepsilon = 0.00001$), the algorithm converges slower compared t
- [x] For very small ε (say $\varepsilon = 0.00001$), the algorithm converges faster compared to

Submit You have used 1 of 3 attempts

Effects of alpha

0 points possible (ungraded)

In this question, you will investigate the impact of α on the convergence of Q-learning exploration parameter $\varepsilon = 0.5$ and do the experiments with different values of the trai

What you have observed?

- [ ] The algorithm converges for all values of α in less than 200 epochs
- [x] The algorithm does not converge for all values of α in less than 200 epochs
- [x] The smaller α, the slower the convergence
- [ ] The smaller α, the faster the convergence