Your grade: 100%

Your latest: **100%** • Your highest: **100%**

To pass you need at least 80%. We keep your highest score.

Next item →

1. Which of the following meta-parameters can be tuned to improve performance of the agent? Performance refers to the cumulative reward the agent would receive *in expectation* across different runs. (Select all that apply)

1 / 1 point

- [x] Number of hidden-layer units in a neural network approximating the value function

  Correct
  Correct. If the number of hidden units is too small, the representational capacity may be insufficient for learning good behavioural policies. On the other hand, a large number of hidden units could help to learn a good representation, but learning progress might be very slow due to the sheer number of parameters.

- [x] Exploration parameter (e.g., epsilon in e-greedy or the temperature tau in the softmax policy)

  Correct
  Correct. We have to try different levels of exploration that the agent begins with, because different problems may require different extents of exploration. We do not know this beforehand.

- [ ] Random seed (for the random number generator)

- [x] The step size in the update rule of the learning algorithm (e.g., alpha in Q-learning)