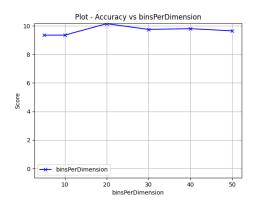
2 points -- Your implementation of QLearning.py. Make sure it's easy for the TA to follow.

See Attached File

5 points -- A writeup of your process for tuning the parameters. Include one chart per parameter with parameter value on the x-axis and policy quality on y-axis (average score on 20 runs).

For each step be sure to indicate the other parameter value you used (tuned or untuned). Include a final parameter setting and the average score it produced across 100 runs.

Step 1: Tune hyper parameter 'binsPerDimension':



Other Hyper parameter values:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1e-05

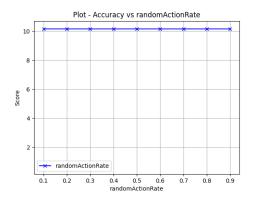
Best Parameters at step 1:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1e-05, 'binsPerDimension': 20,

Step 2: Tune hyper parameter 'randomActionRate'



Other Hyper parameter values:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'learningRateScale': 1e-05

'binsPerDimension': 20

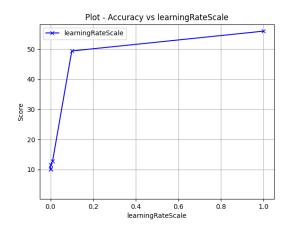
Best Parameters at step 2:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1e-05, 'binsPerDimension': 20

Step 3: Tune hyper parameter 'learningRateScale'



Other Hyper parameter values:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'binsPerDimension': 20 'randomActionRate': 0.5,

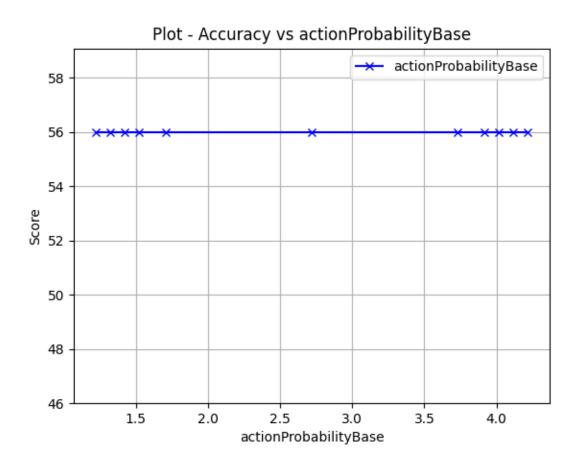
Best Parameters at step 3:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1.0, 'binsPerDimension': 20

Step 4: Tune hyperparameter 'actionProbabilityBase'



Other Hyper parameter values:

'discountRate': 1e-05, 'binsPerDimension': 20 'randomActionRate': 0.5, 'learningRateScale': 1.0,

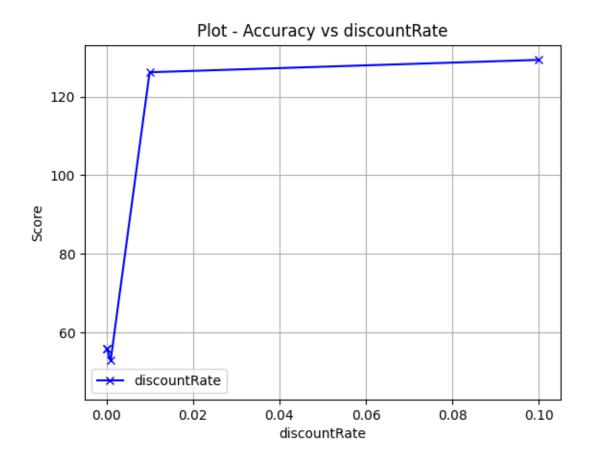
Best Parameters at step 3:

'discountRate': 1e-05,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1.0, 'binsPerDimension': 20

Step 5: Tune hyperparameter 'discountRate'



Other Hyper parameter values:

'binsPerDimension': 20 'randomActionRate': 0.5, 'learningRateScale': 1.0,

'actionProbabilityBase': 2.718281828459045,

Best Parameters at step 3:

'discountRate': 0.1,

'actionProbabilityBase': 2.718281828459045,

'randomActionRate': 0.5, 'learningRateScale': 1.0, 'binsPerDimension': 20

Evaluation score of 100 runs produced and average score of 124.6.