ROB537: HW2

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- 1 Introduction
- 2 Bandit Problem



Figure 1: Comparison of performance between greedy and epsilon greedy selection over 10 steps for an action-value learner on a multiarmed bandit problem.

3 Conclusion



Figure 2: Comparison of performance between greedy and epsilon greedy selection over 100 steps for an action-value learner on a multiarmed bandit problem.

AVGrid.png

Figure 3: Action value table for epsilon greedy agent for 20 steps.

AVGridSolution.png

Figure 4: Action value table quiver plot for epsilon greedy agent for 20 steps. Arrows are weighted average of the best action at that state.

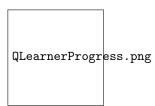


Figure 5: Q learner learning progression.

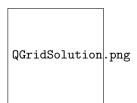


Figure 6: Q table quiver plot for epsilon greedy agent for 20 steps. Arrows are weighted average of the best action at that state.