

Assignment 2

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[Optional]

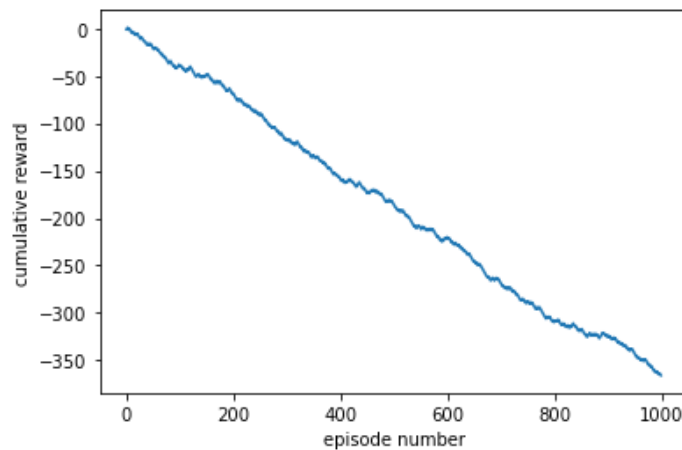
Blackjack problem:

To assess the policy learned using Monte-Carlo off-policy method, it is compared against the random policy.

Performance of random policy:

win percentage: 30.00%
loss percentage: 66.60%
draw percentage: 3.40%

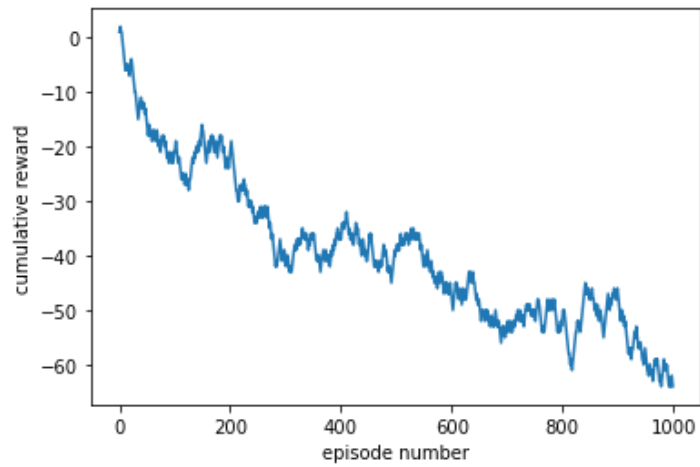
Cumulative reward :



Performance of learned policy:

win percentage: 42.80%
loss percentage: 49.20%
draw percentage: 8.00%

Cumulative reward :



Comparison:

Policy learned using Monte Carlo off-policy method achieves the best results possible in the Blackjack game. Learned policy wins about 42% games compare to 30% with random policy.