

Assignment 4: Model Based RL

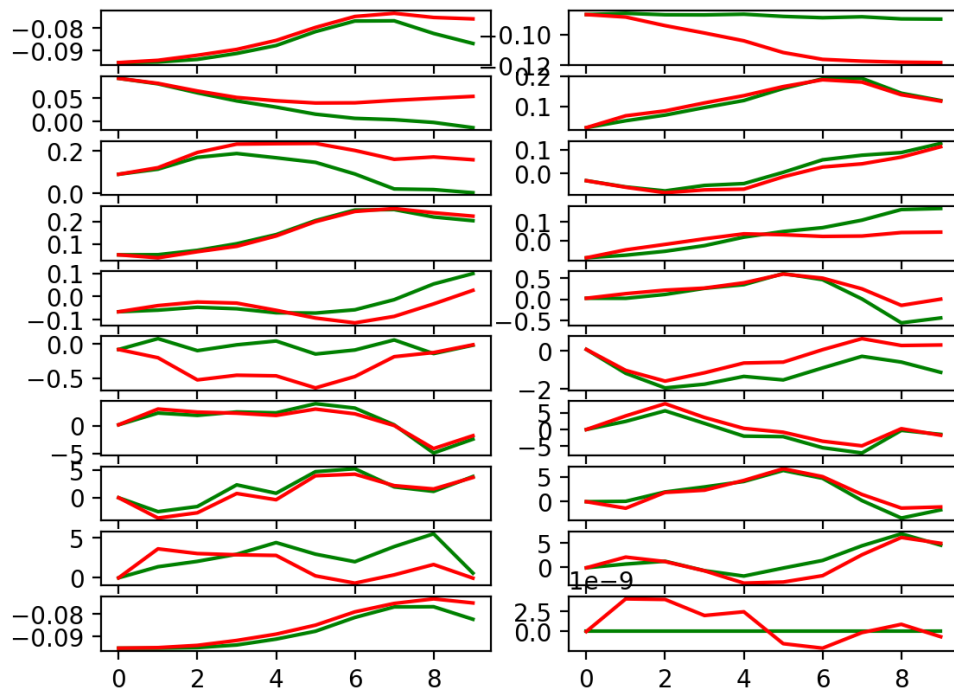
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Problem 1

First Run

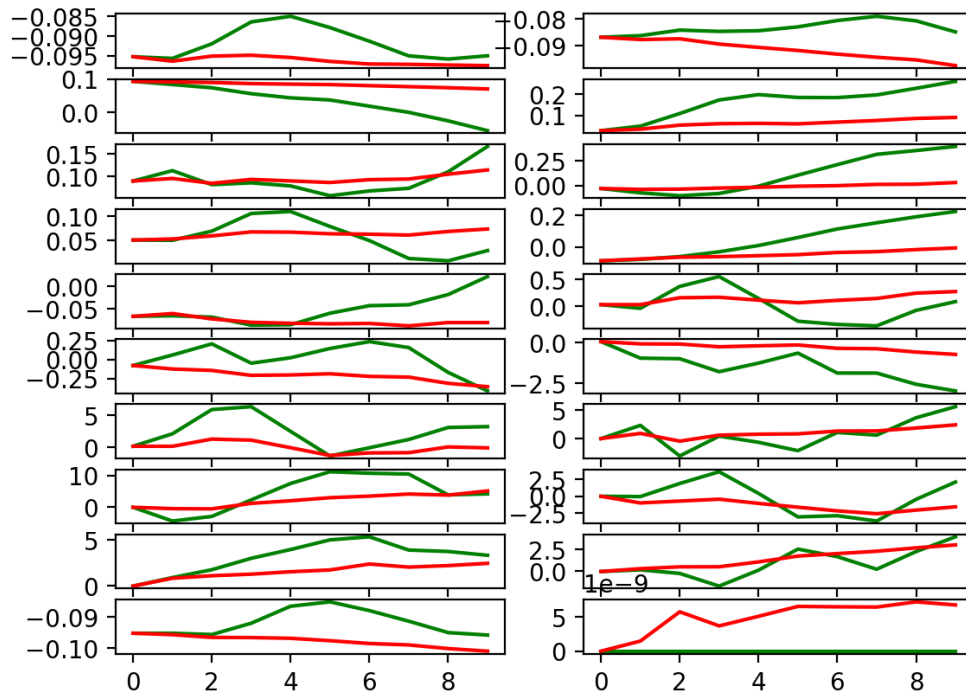
MPE: 0.6338701



A small network is used. Results can be improved using a larger network.

Second Run

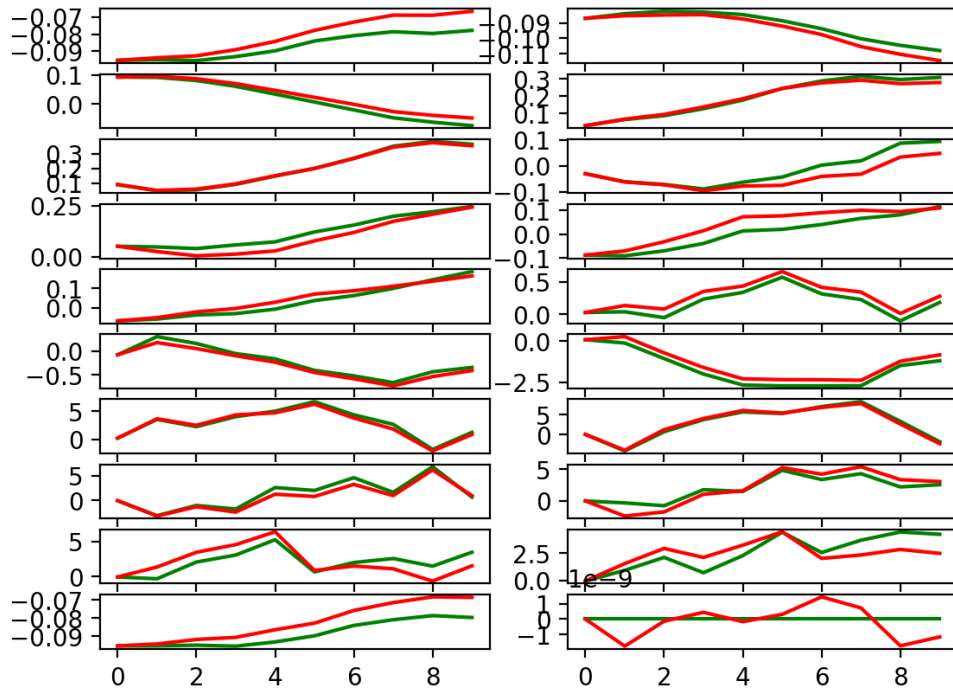
MPE: 2.1226563



Small number of iterations are used. Results can be improved by increasing iteration count. MPE is the worst.

Third Run

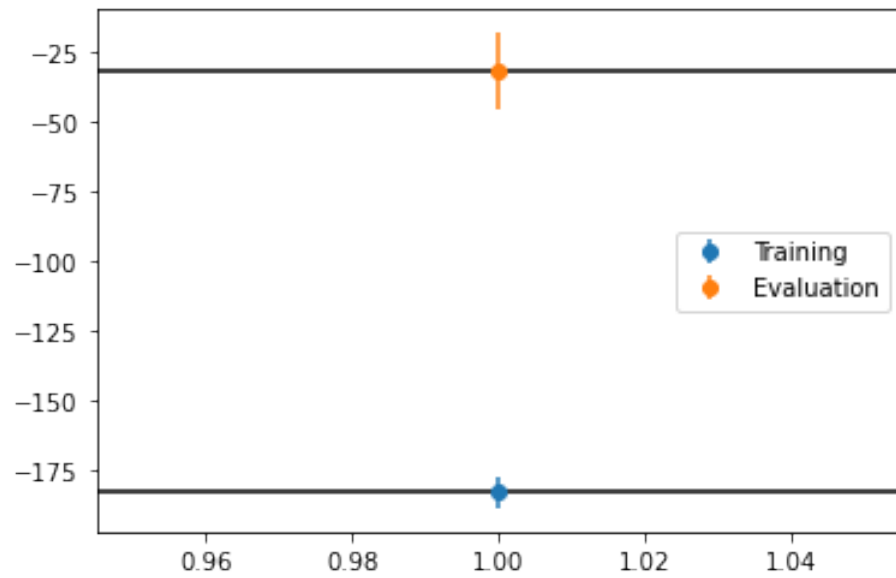
MPE: 0.24237484



Best results are obtained using a larger network and more iterations.
MPE is the best.

Problem 2

Train AverageReturn is expected to be around -160 and Eval AverageReturn is expected to be around -70 to -50.



Actual returns is around the expected values.