

ReadMe(Divya Saxena 1001773376)

Language: Python

Components :

Python Files: /Homework2_1001773376/Code

- 1) Part1.py – Dyna Q
- 2) Part2a.py – Priority Sweeping
- 3) Part2b.py – Trajectory Sampling

PDF Files: /Homework2_1001773376

- 1) GraphRepresentation.pdf – It contains all the graphs generated from all models.
- 2) TheoryAnswers.pdf – It contains all the answers for Question 1 and 2.

Graphs: /Homework2_1001773376/Code

Following graphs generated will be saved in /Code folder when python files run.

- 1) DynaQ_Plot.png – Dyna Q graph Representation
- 2) Priority_Plot.png – Priority Sweeping graph Representation
- 3) trajectory_onpolicy_plot.png – Trajectory Sampling(on policy) graph Representation
- 4) trajectory_Uniform_plot.png – Trajectory Sampling(Uniform) graph Representation

Run Code:

- 1) Question 1a and 1b (Dyna Q): *python Part1.py*
Graph(DynaQ_Plot.png) generated will be saved in /Code folder
- 2) Question 2a (Priority Sweeping) : *python Part2a.py*
Graph (Priority_Plot.png) generated will be saved in /Code folder
- 3) Question 2c (Trajectory Sampling uniform/On policy): *python Part2b.py*
Graph(trajectory_onpolicy_plot.png,trajectory_Uniform_plot.png) generated will be saved in /Code folder

Answers to questions:

- 1) Question 1a and 1b(/Homework2_1001773376/Code): *python Part1.py*
- 2) Question 1c(/Homework2_1001773376): Refer TheoryAnswers.pdf
- 3) Question 2a(/Homework2_1001773376/Code): *python Part2a.py*
- 4) Question 2b(/Homework2_1001773376): Refer TheoryAnswers.pdf
- 5) Question 2c(/Homework2_1001773376/Code): *python Part2b.py*