Environment Preparation:

FLOW introduction: https://flow-project.github.io/

FLOW installation: https://flow.readthedocs.io/en/latest/flow_setup.html

Startcode: *RL_proj.ipynb*

Requirement:

The project with a dataset should solve a reinforcement learning problem using at least a moderately large sized data set. It is recommended to use techniques that draw upon tabular methods and function approximation, and compare the results for at least two different algorithms described in the class on the same dataset. For example, one could compare a bandit algorithm to a tabular algorithm. Some points to keep in mind in the project:

-How do the algorithms perform in terms of training time?
-How close are the results to expected results?
-How did you adjust the parameters of your algorithm to solve the problem?
-What parameters played an important role in solving the problem?
-What were challenges when working with the algorithms?
-How could you improve your results with future work?

Work to be Done:

1. Adjust models(PPO and DDPG) parameters and do the training work.
2. Apply metrics to the trained model in order to estimate models' behaviors. (Yimin)
3. Write down different characters of DDPG and PPO in detail.