09/11

Code working for Acrobot with height as reward

Result: Not balancing the acrobot

09/13

1. Experiment with the Pendulum environment

Result: Successfully balance the pendulum

2. Modify the acrobat reward function to include the cost of thetadot

Result: Not balancing, swings over constantly

Concern: dt too large

09/20

Add functionality to change available torque and dt based on a factor

Result: Not balancing, swings over, dt changes doesn’t seem to have much effect

Concern: Not enough torque

09/25

Change dt without change torque and start near straight up

Result: no distinctive difference between the results; does well in some initial conditions but fails more often

Concern: not enough torque options, not large enough neural network, not enough torque, not enough training, overfitting

09/27

FIX dt TO 2 FOR FOLLOWING EXPERIMENTS

1. Change neural network to [128, 128]

2. Change stacking of history to one state

3. Larger torque (by 2, by 4)

4. More options with larger torque

5. Rerun 09/25 experiments with longer training (change stopping condition)

6. Add dropout on the second layer of [32, 32] network