Assignment 1: Imitation Learning

Andrew ID: YOUR ID
Collaborators: YOUR COLLABORATORS

1 Behavioral Cloning (9.75 pt)

1.1 Part 2 (1.5 pt)

TODO

Table 1: Report your result in this table.

Metric/Env	Ant-v2	Humanoid-v2	Walker2d-v2	Hopper-v2	HalfCheetah-v2
Mean	xxx	xxx	xxx	xxx	xxx
Std.	xxx	xxx	xxx	xxx	xxx

1.2 Part 3 (5.25 pt)

TODO

Table 2: Fill your results in this table, listing hyperparameters in this caption.

Env	Ant-v2		[Another Env]	
Metric	Mean	Std.	Mean	Std.
Expert	xxx	xxx	xxx	xxx
BC	xxx	xxx	xxx	xxx

1.3 Part 4 (3 pt)

TODO, fill in the Fig. 1, provide some analysis.

2 DAgger (5.25 pt)

2.1 Part 2 (5.25 pt)

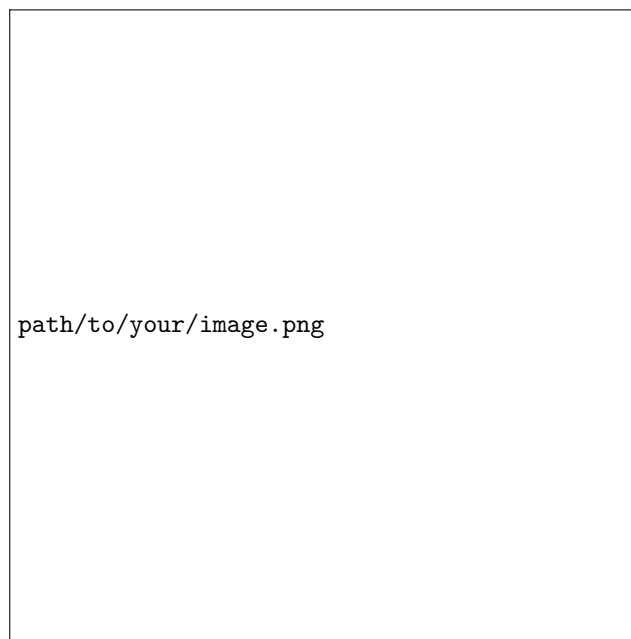# TODO, Report the results for Ant-v2 and [Another Env] in Fig. 2:

path/to/your/image.png

Figure 1: BC agent's performance varies with the value of ??? parameter in ??? environment.
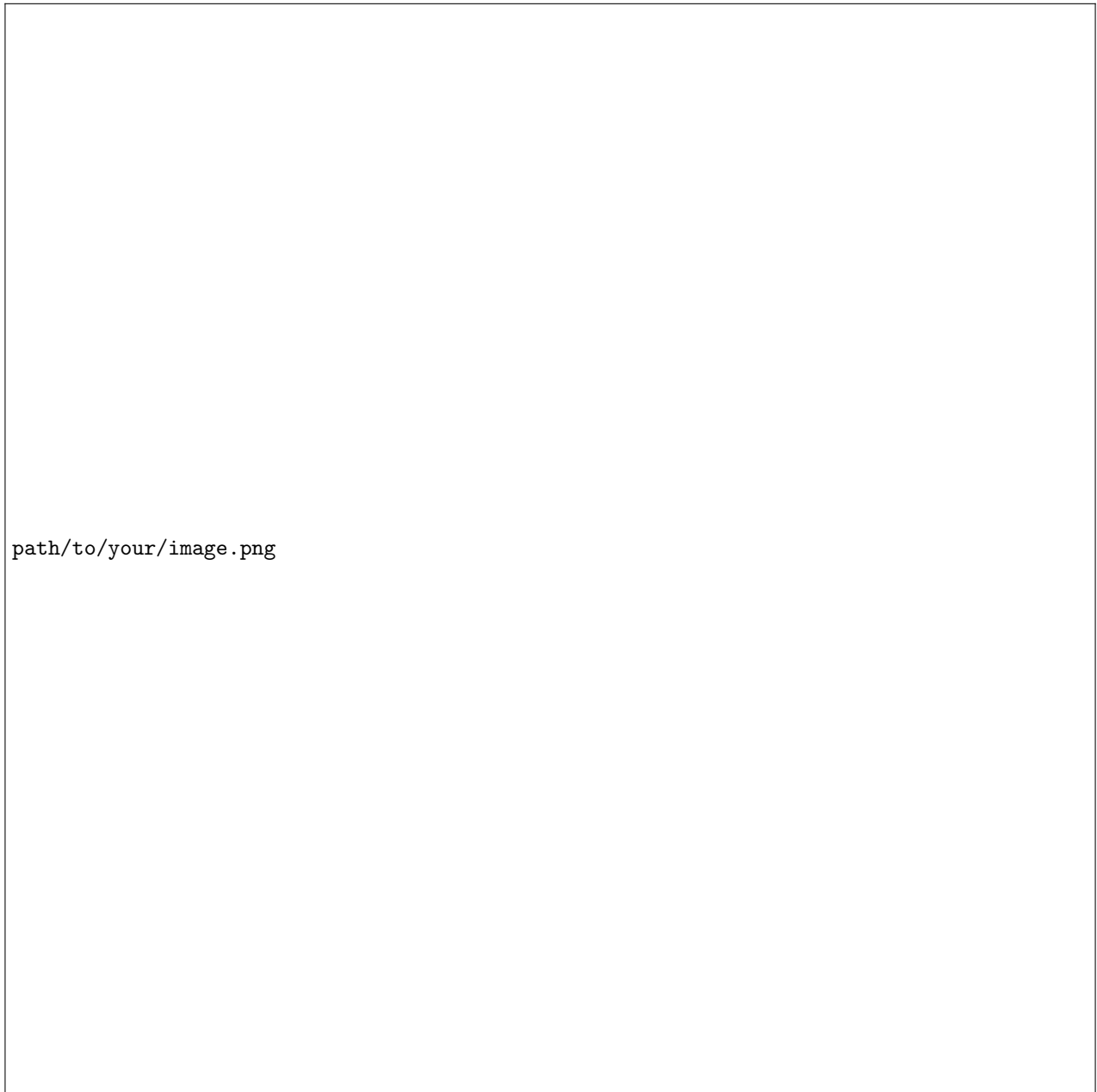
path/to/your/image.png

Figure 2: Learning curve, plotting the number of DAgger iterations vs. the policy's mean return, with error bars to show the standard deviation. Please show the Ant-v2 environment results on the left and the results from [Another Env] on the right.