Behavioral cloning tasks performance table (No DAgger)

Tasks(environment)	Eval_Mean	Eval_Std	Percent of Expert
Ant	2804.71	909.76	59.5%
Walker2d	361.60	125.11	7.67%

Both above tasks used a 2-layer network with each layer being size 64. The training parameters included: train batch size = 100; evaluation batch size = 5000, episode length = 1000, and number of training steps = 1000.

Performance of Ant_BC vs Amount of Training Steps
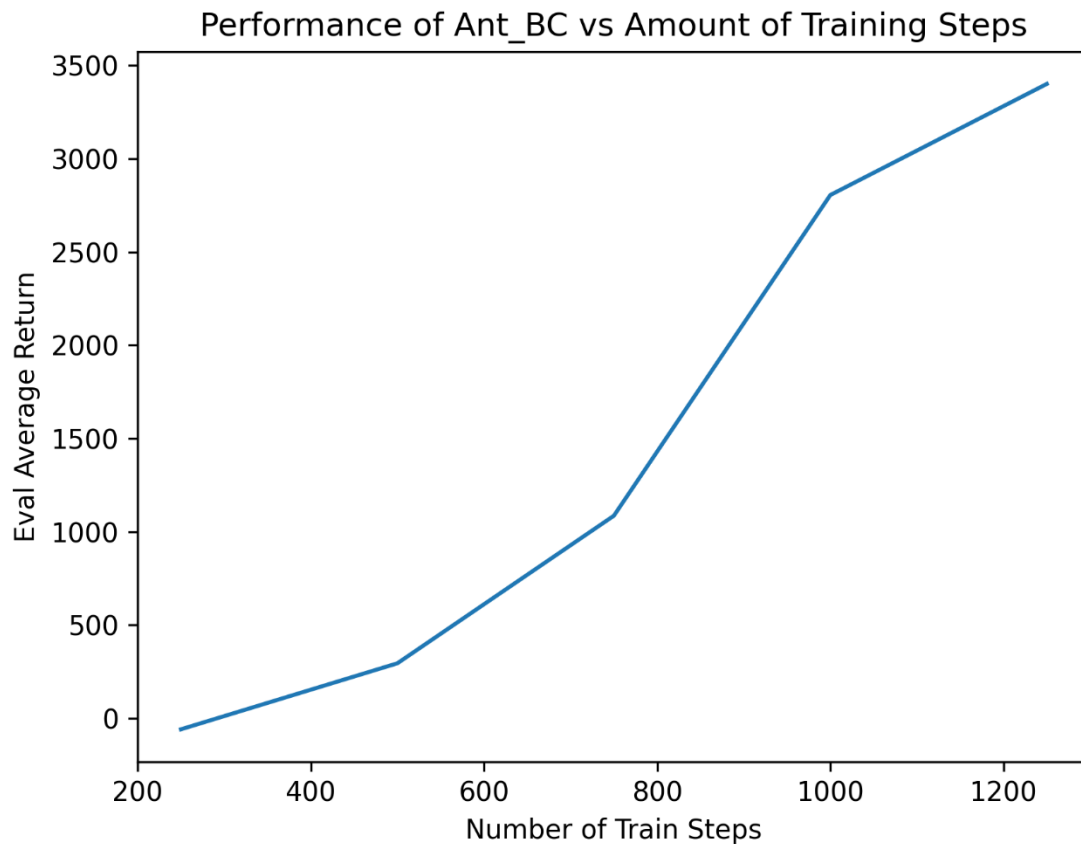
Chose to experiment with number of train steps because we can see how this metric is affecting the efficiency of the training progress.

Ant Task trained with DAgger

Walker2d Task trained with DAgger
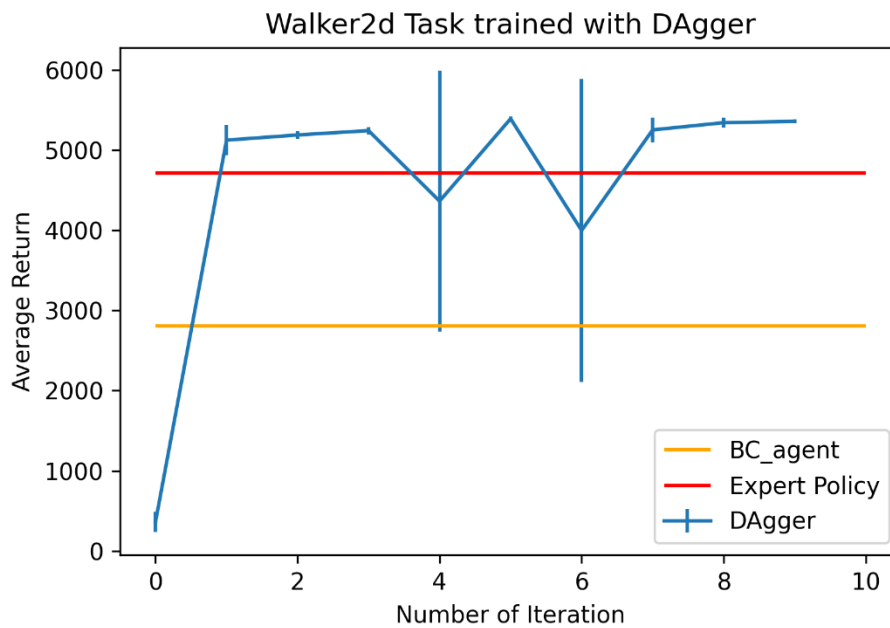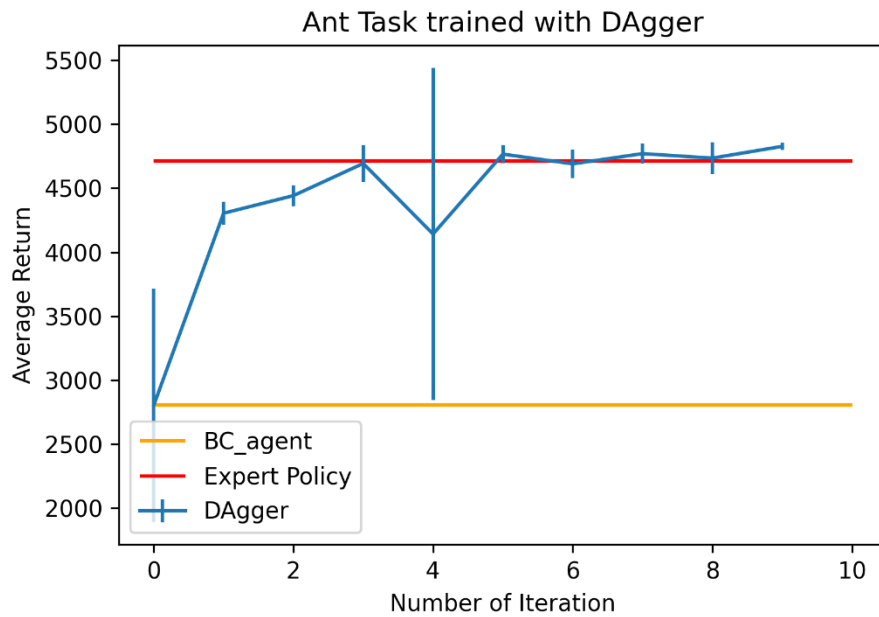
Hyperparameters:

num_agent_train_steps_per_iter: 1000; n_iter: 10; batch_size: 1000; eval_batch_size: 5000; ep_len=1000; train_batch_size: 100

network: 2 layers, width=64; learning_rate: 5e-3