

AI Project 2 Rubric

Name: _____

Score: _____/23_

Date and time received: _____ (on time, Tuesday, October 11)

Late penalty (10% per day): _____

We'll be running your code on our server knuth2. So, make sure your program works on lab machine under Linux environment. YES, you will have to resubmit if it does not (10% per day penalty applies).

(See Dr. Xiao's video demo on how to access knuth2. <https://www.cs.uakron.edu/~xiao/LA/>)

Part 1: The expected utility from start (0,0). Initial value is from iteration 0, your value should be from **iteration 19**.

1. (1pt) your program utilizes the command-line arguments as required.
2. (3pts) Pass python3 yourcode -0.04 case0.csv, I am expecting: ~ **0.53108912**
3. (3pts) Pass python3 yourcode -0.05 case0.csv, I am expecting:
4. (3pts) Pass python3 yourcode -0.05 case1.csv, I am expecting:

Just for debugging:

Pass python3 yourcode -0.3 case0.csv, I am expecting: ~ **-0.76739663**

Pass python3 yourcode -0.04 case1.csv, I am expecting: ~ **0.1055599**

Part 2: Optimal policy. Initial setting is iteration 0, your policy should be the best policy of **iteration 19**.

1. (1pt) your program utilizes the command-line arguments as required.
2. (3pts) Pass python3 yourcode 0.8 -0.04, I am expecting:
[[2. 2. 2. 0.]
[1. 0. 1. 0.]
[1. -2. 1. -2.]]
3. (3pts) Pass python3 yourcode 0.7 -0.01, I am expecting:
4. (3pts) Pass python3 yourcode 0.6 -0.5, I am expecting:

(3pts) Programming Practices

General code appearance_____

Proper header_____

Good general description of program_____

Two test cases can be found at:

Case0: <https://www.cs.uakron.edu/~duan/classes/460/projects/project2/case0.csv>

Case1: <https://www.cs.uakron.edu/~duan/classes/460/projects/project2/case1.csv>