

CIS 4930 NLP // EC #2 // Spring 2018

Date Assigned: March 29, 2018

Date Due: April 5, 2018

Submission Format

You will submit a soft copy of your solution using e-Learning (<http://elearning.ufl.edu>) by the end of the day (23:59 / 11:59 PM) on the assigned date (April 4). Submit one file, **ec2.py**.

Assignment

At the top of every solution file you submit this semester include: your name, section number, the assignment number, and the date due. Complete the following exercise to receive extra credit on Exam #2.

Exercises

1. [20 pts] You've been fighting it for years, but still you're plagued by the nagging feeling that you might be a robot. You want to design a program that will ask you a random question, and based on your response, assess whether you're a human or a machine. You will use the Loebner Prize transcripts (<http://loebner03.hamill.co.uk>) to build a classifier that will make this determination. Create the method *iRobot* to solve this problem. The method will ask the user a random question from one of the judges in the transcripts. It will then take an answer from the user. Based on this answer, it will decide whether the user is a human or computer and print this ruling to the screen. Assume that there will be a folder *Loebner-logs-2003* (this is the default directory when unpacking the Loebner-logs-2003.zip file) in the same directory as your code that will contain the subdirectories *ALICE*, *Confederate 1*, *Confederate 2*, and so on with the transcript text files in their original form.