



Northeastern University
CS 7180 – Special Topics in AI (Reinforcement Learning)
Fall 2018, Robert Platt

Intro to the Programming Environment and Monte Carlo

Name: _____

Problem	Points
SET UP THE REPO	/0
INSTALL AND SETUP PYTHON AND ANACONDA	/0
MONTÉ CARLO PROGRAMMING ASSIGNMENT	/80
Total	/80

Instructions

- Don't cheat!

(0 pts.) SET UP THE REPO

Install git and setup your repo for this course. To do this, follow the instructions [here](#). You should push your completed assignment to your directory by the assignment due date.

(0 pts.) INSTALL AND SETUP PYTHON AND ANACONDA

Now that you've setup your repo, the next step will be to install python 2.7 and Anaconda and setup a virtual environment.

- Install python 2.7: <https://www.python.org/downloads/>
- Install Anaconda: <https://www.anaconda.com/download/>. Download the Python 2.7 version. Windows users: you should install Anaconda for a single user, not for all users.
- Create an environment in which you will install Jupyter along with any future packages.

```
$ conda create -n cs7180
```

- Now activate this environment by typing (on MacOS & Linux):

```
$ source activate cs7180
```

or if using Windows:

```
$ activate cs7180
```

- Last, install Jupyter and Matplotlib:

```
$ conda install jupyter matplotlib
```

(80 pts.) MONTE CARLO PROGRAMMING ASSIGNMENT

Start the Jupyter notebook by typing:

```
$ jupyter notebook
```

Open the notebook `cs7180-hw3-monte-carlo.ipynb`. This notebook contains the various parts of the programming assignment along with descriptions and the point breakdown. Your github repository should contain this notebook along with your solutions.