

1 Markov Decision Processes

Note: We only briefly went over MDPs in class, so we will discuss MDPs in-depth in an example-based lecture next week. As a result, MDP questions will be saved for next week's problem set.

2 Python Exercises

Note: We will start to code up very simple examples in lecture soon. Before that, you will need to learn basic python: how to define a function, how to define variables, and how to write loops. If you already know python, skip the first part.

1. (No Answer Necessary) **Basic Python**

Complete the following sections from learnpython.org. Exercises at the bottom of each section can be skipped.

- "Hello World"
- "Variables and Types"
- "Conditions"
- "Loops"
- "Functions"

2. (No Answer Necessary) **Google Colaboratory**

- Open a Python 3 Notebook named "HW2 - First Name, Last Name" at colab.research.google.com
- Create a for loop that prints "CMSC389F" 10 times and run it
- Share the file with cmsc389f@gmail.com