

# Homework 1

COM SCI X 450.4 - Machine Learning

Thursday 25<sup>th</sup> June, 2020

## 1 Introduction

In your first assignment, you will be working on a Jupyter Notebook and completing the code where necessary. Please take note of how long you took for this assignment as it will be a question at the final deliverable.

## 2 Before you start

Install Python and any library that you might need. Using [Anaconda](#) is recommended as it allows you to install multiple libraries at once.

Installing the following libraries is recommended. Check documentation for installation instructions. You might be required to install additional libraries.

- [Scikit-Learn](#)
- [Pandas](#)
- [Numpy](#)
- [Matplotlib](#)
- [Searborn](#)
- [Jupyter](#)

## 3 Running your Jupyter Notebook

To run a Jupyter Notebook, you will need to follow the instructions [here](#). You will likely need to start it from the command line. Here is [a good tutorial if you are not familiar with using the command line](#).

Once your notebook is running, you will be able to access it in the terminal. Please complete the missing code according to the instructions. Some of the exercises will require answering questions.

## 4 Deliverable

You will submit your assignment before Wednesday, July 1st, before 11:59pm. You should submit a zipped file with:

- The modified Python Notebook with the code you wrote
- A separate PDF document with the answers to the questions in the Notebook

**Start early, especially if you are not familiar with Python!** If you require help, please contact instructor. Office hours can be scheduled if necessary as long as the instructor is contacted with 48 hour notice.