Stanford CME 241 (Winter 2021) - Assignment 1

This "assignment" is simply to complete the following tasks to get set up for course work and future assignments:

1. Register for the Course on Piazza.

2. Install/Setup on your laptop with LaTeX/Markdown (for technical writing), Python 3 (and optionally Jupyter, if you prefer working with .pynb instead of plain .py).

3. Create a git repo for this course where you can upload and organize all the code and technical writing you will do as part of assignments and self-learning.

4. Send Sven a message on Piazza with your git repo URL, so he can periodically review your assignments and other self-learning work.

5. Clone the Code Repo associated with the RLForFinanceBook and get set up to write code (for future assignments that uses classes/functions from this code repo). **Optionally**, you can create the same virtual environment I use and replicate my dependencies with the following instructions:

   - After cloning the repo on your laptop, create a virtual environment with the following shell command (from the RL-book directory):

     $ python3 –m venv .venv

   - Then, each time you're working on this project, make sure to activate the venv with the following shell command (again, from the RL-book directory):

     $ **source** .venv/bin/activate

   - Once the venv is activated, you should see a (.venv) in your shell prompt

   - Now you can use pip to install dependencies inside the venv, for example:

     (.venv) $ pip install matplotlib

   - Initially, you can install every Python package you need to work this git repo with the following shell command (again, from the RL-book directory):

     (.venv) $ pip install –r requirements.txt

   - To work with the appropriate file paths of the Python files in this repo from the RL-book directory, execute the following command from the RL-book directory (this creates a pckage):

     (.venv) $ pip install –e .

   - To make sure you are all good, verify with the following command from the RL-book directory:

     (.venv) $ python –m unittest discover

     If all is good, you should see an "OK" on the last line of the output upon running this command.