Homework 0: Assignments Tips and Self-Assessment

DS-GA 1003 · Spring 2021 · NYU Center for Data Science

1 Assignments Tips

The homeworks will start with the instructions below. The rest of this section is meant to help you choose a solution to typeset your work. For the programming part of the assignments, you should start getting confortable with the Python packages NumPy and matplotlib if you are not already.

Due: N/A

Instructions: Your answers to the questions below, including plots and mathematical work, should be submitted as a single PDF file. It's preferred that you write your answers using software that typesets mathematics (e.g.LaTeX, LyX, or MathJax via iPython), though if you need to you may scan handwritten work. You may find the minted package convenient for including source code in your LaTeX document. If you are using LyX, then the listings package tends to work better.

1.1 LATEX

You should check the source file "hw0_latex.tex" in the .zip for an example of LATEX typesetting.

Minted Package The minted package is convenient for including source code in your LaTeX document.

Including Python Code from File Here we're extracting lines 4 through 13 from the file code.py.

Python Code Inline Here we're extracting lines 4 through 13 from the file code.py.

1.2 Jupyter notebooks

Check "hw0_jupyter.ipynb" for a solution relying on Jupyter Notebooks.

2 Self-Assessment

In the .zip file, you will also find a "math-self-assement.pdf". The questionnaire is meant to give you a preview of the mathematical objects and notations we will use in the class. Take the time to have a quick look to be aware of were you stand!