## NUMPY AND PYLAB (3 points possible)

To create plots you will need the Python library packages Matplotlib (Pylab) and NumPy. If you downloaded Enthought Canopy, you should already have these packages installed.

To test that you have successfully installed matplotlib and numpy, download and unzip ProblemSet1.zip then open the file `run_pkgtest.py` and run it. A graph should appear after a short pause (it may take a few minutes, depending on the speed of your machine); when it does, please answer the questions at the bottom of this page related to the graph's appearance.

Saving Figures

If you see an error such as:

```
Traceback (most recent call last):
  File "C:/Users/winedx9/Desktop/run_pkgtest.py", line 1, in <module>
    import ps1_pkgtest
  File "ps1_pkgtest.py", line 2, in <module>
ImportError: No module named numpy
```

and/or

```
Traceback (most recent call last):
  File "C:/Users/winedx9/Desktop/run_pkgtest.py", line 1, in <module>
    import ps1_pkgtest
  File "ps1_pkgtest.py", line 3, in <module>
ImportError: No module named pylab
```

then you do **not** have the required packages installed. Read on for more support.

- If you **do** have Enthought installed, be sure the top of your IDLE interpreter says something like `Python 2.7.6 | 64-bit | (default, Jan 29 2014, 17:03:59) [MSC v.1500 64 bit (AMD64)] on win32`. If it doesn't say anything like this, you are not running the IDLE interpreter from the Enthought distribution. Find the Enthought folder on your system and choose IDLE from within the Enthought folder.

- If you **did not** install Enthought, you can attempt to install the correct packages on your own. Note that the 6.00.2x staff will not be able to help you install these packages. If you have trouble, we strongly recommend you simply install Canopy. That said, here are the packages you need to have. Choose which set of instructions to follow based on which OS and version of Python you are running. You only need the one of each library that matches your setup!

  Note on 32 bit v 64 bit

  OS X

  Windows

  Linux

Once the graph displays, you should be able to answer the following questions. Please note that spelling, spacing, and capitalization matter, so if you get it wrong (but it looks right), take a very close and careful look at each character in your answer.

1. What is the title of the graph?

2. What is the label on the x-axis of the graph?

3. What is the label on the y-axis of the graph?

Useful PyLab links:

- http://matplotlib.org/api/pyplot_summary.html
- http://scipy.org/getting-started.html
- http://matplotlib.sourceforge.net/users/customizing.html

Help

Check Save *You have used 0 of 10 submissions*

Show Discussion

New Post


EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

© 2014 edX, some rights reserved.

Terms of Service and Honor Code

**About & Company Info**

About

News

Contact

FAQ

edX Blog

**Donate to edX**

**Jobs at edX**

**Follow Us**

Twitter

Facebook

Meetup

LinkedIn

Google+