

Homework 5

- Problem 1 - Tell me what your plan is for a class project. Specifically: what will the program do, what sort of data will it work with, and what will it do with that data ? Again, it's ok if you're forced to change some of the details as your project develops, but you need to start with a plan.
- Problem 2:
 1. Install numpy/matplotlib/[scipy] on your computer.
 2. Write a simple CSV plotting program : It's very easy to export data from a spreadsheet as a CSV (comma separated value) file. While spreadsheets are great at creating business charts, they are less good at generating scientific plots, and value manipulations are somewhat limited. Your program should:
 - A. Read a user-specified CSV file.
 - B. The user should pick which columns from the file to use for X and Y
 - C. Make a simple line or scatter plot of the data using matplotlib. The plot can appear on the screen or be saved as a picture to a file. Your choice. You only need to turn in the .py program, not the output.
- A couple of sample CSV files are provided on the class website.
- Tip: Careful investigation of the manuals for numpy and python may reveal some possible solutions to make part of this assignment easier, but you may also just use string/file manipulation.