

Homework 5

1. Install numpy/matplotlib/[scipy] on your computer.
2. 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. Write a program to read a user-specified CSV file. The user should also specify which column should be X and which Y. 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. A couple of sample files are provided on the class website. You only need to turn in the .py program file, not the output.

Careful investigation of the manuals for numpy and python may reveal some solutions to make part of this assignment easier, but you may also just use string/file manipulation. Practice problems will be provided to help you on some of the steps for one approach.