Introduction to IPython and Pandas, Part II

Overview

In this course we will demonstrate how you can use the Jupyter Notebook application (formerly IPython notebook) as a practical tool for organizing your work flow. We will demonstrate how to integrate external tools and features of the notebook to carry out a practical analysis from data exploration through to producing notebooks to enable reproducible science.

Topics

- Jupyter Notebooks for practical analysis (formerly Ipython Notebooks)
- Integrating external tools
- Work flow organization
- Notebooks for reproducibility

Some familiarity with Python, Jupyter/Ipthon Notebooks, and Linux/Unix command line is assumed.

Class Resources

The notebook server for this course is no longer available, but the course materials in their completed form are available below.

ipython_pandas_part2.tgz

Before You Go

Please take a moment to tell us what you thought with our short course survey.

Using IPython on Your Own

You are welcome to install IPython and Pandas on your own laptop and use that for the class. However due to time constraints, we cannot guarantee our ability to support individual users in this way.

When you want to start working on your own machine, the Anaconda distribution provides a nice all-in-one Python installer that also sets up Jupyter, IPython, Pandas, SciPy, NumPy and many other useful scientific/analytic packages.

Alternately, it is not much more difficult and ultimately can be more fruitful to install Jupyter from scratch using pip once you have Python installed.