Python in the Geosciences

Fall 2015 Seminar - University of Washington

Time: 1st Tuesday of the month, 4:00PM with Happy Hour to follow.

Location: 6th floor of the Physics Tower, Seminar Room C607

Other Workshops / Seminars / Resources:

Seminar Github Repo

https://github.com/jhamman/UW_Python_for_Geosciences

Seminar Mailing List

https://mailman1.u.washington.edu/mailman/listinfo/python_for_geoscience

UW Atmos-Python Workshop:

atmos-python@uw.edu - (Andre or Jeremy)

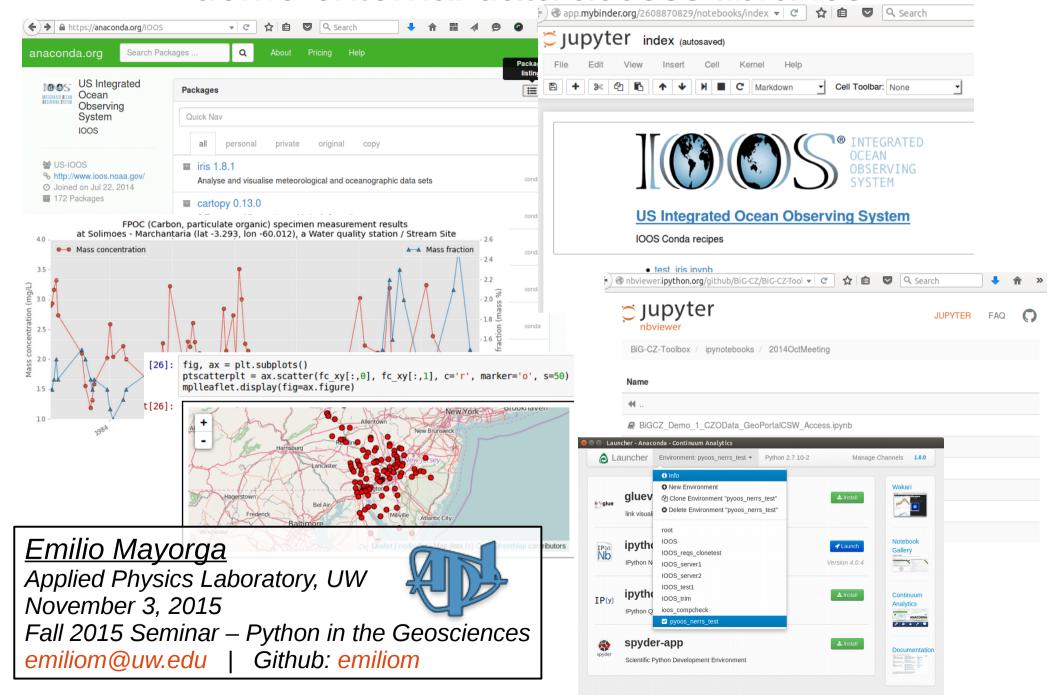
UW eScience Python Seminar: Fall 2015:

http://uwescience.github.io/python-seminar-2015/seminar/

AGU Fall Meeting 2015 Session:

Python Solutions for the Earth Sciences: IN041: https://agu.confex.com/agu/fm15/meetingapp.cgi/Session/9108

Using conda and Jupyter/IPython notebooks to demo external data access libraries



I am Emilio, UW-APL. And You?

UW / non-UW?

UW Department?

Undergrad / Grad / Postdoc / Prof. Emeritus

From the Real World?

First time at seminar?

(Ana)conda?

Jupyter Notebooks / IPython shell?

Data Access Packages. Mainly for site-based time series data

Ulmo (hydrology, climate, etc)

https://github.com/ulmo-dev/ulmo http://ulmo.readthedocs.org/

Pyoos (oceanography, weather, etc)

https://github.com/ioos/pyoos/

(Ana)conda & its tool ecosystem

IOOS channel use

https://anaconda.org/IOOS

https://ocefpaf.github.io/DMAC_presentation/binstar/slides.html

Jupyter (Ipython) notebooks & its tool ecosystem

nbviewer and GitHub

http://nbviewer.ipython.org/github/BiG-CZ/BiG-CZ-Toolbox/tree/master/ipynotebooks/2014OctMeeting/

Quote Joe Hamman: "We should stop rewriting the same things ..."

Working Assumption:

It is better to push repetitive tasks to well tested, optimized packages (e.g. pandas/xray/NumPy ... ulmo/pyoos)

So...

Don't hide your code Contribute to open source projects Build on the success of others