Joining the python society

Prickly Pythons, Fall 2017

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DesertPy meetups:
https://www.meetup.com/Phoenix-Python-Meetup-Group/ (Sept 26)

Facebook: Python users in Astronomy:
(have to apply to join, > 2000 members, good to stay updated on new package version etc…)

dotastronomy meetings:
https://twitter.com/dotastronomy?lang=en (November 2017 South Africa)

ASU research computing:
https://researchcomputing.asu.edu/ (August 29-31 "cloud week")

Online python help

https://www.codecademy.com/

https://codefights.com/

The "Python mega-course":
https://www.udemy.com/the-python-mega-course/ (mostly web stuff and data science)

Specific problems, google will most likely take you to:
https://stackoverflow.com/

Books!

"A Student's Guide to Python for Physical Modeling":
http://press.princeton.edu/titles/10644.html

"The Hitchhiker's Guide to Python":
http://docs.python-guide.org/en/latest/starting/which-python/#so-3

Installing
python

v2 vs v3…

Depends on what you need to do; what packages you need to use…

Python distributions …

Anaconda!!
https://www.anaconda.com/

Want a graphical interface? …

Spyder = Scientific PYthon Development EnviRonment
https://pythonhosted.org/spyder/

See more Integrated Development Environments (IDEs) here:
https://wiki.python.org/moin/IntegratedDevelopmentEnvironments

Running
python

from command line in terminal…

python / ipython
OBS: This *might* take you to the default system python
set up an alias in ~/.batchrc or ~/.tcshrc

Editors for typing python programs …

Sublime
https://www.sublimetext.com/

Atom
https://atom.io/ (can integrate GitHub)

See more here
https://wiki.python.org/moin/PythonEditors