

Joining the Python society



Prickly Pythons, Spring 2018

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DesertPy meetups:

<https://www.meetup.com/Phoenix-Python-Meetup-Group/> (Tonight at 7pm!)

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> (last meeting: November 2017 South Africa, 2018 meeting not scheduled yet)

EVO 598 course: Advanced Programming for Bio

<https://webapp4.asu.edu/catalog/course?s=EVO&n=598>

Online Python help

Tutorials!

<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>

“Probabilistic Programming & Bayesian Methods for Hackers”: An introduction to Bayesian methods
<https://github.com/CamDavidsonPilon/Probabilistic-Programming-and-Bayesian-Methods-for-Hackers>

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

ATT.: 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>