Inland Empire Python User Group (IEPUG)

08/21/18 meeting

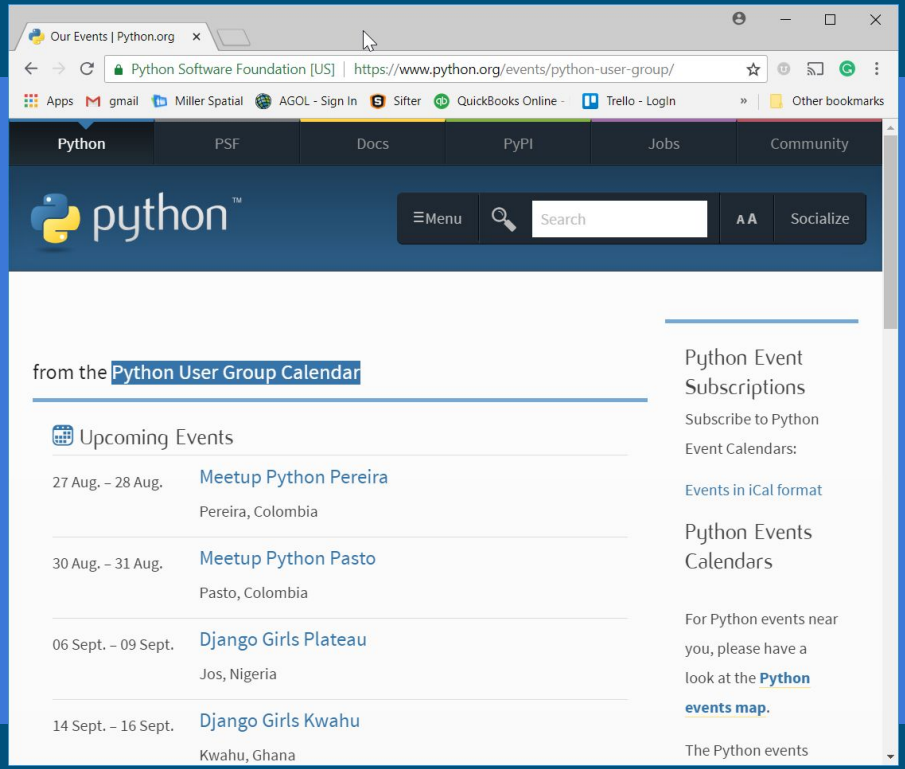
IEPUG intro

-who we are
-don’t feel you need to stay the whole time

Sponsors:
Thanks to RiversideI/O & Excite for hosting our meetings
http://www.riverside.io/en: co-working space in downtown Riverside
https://exciteriverside.org/: a unique tech business acceleration program: created in collaboration between business leaders, the City and County of Riverside, and the University of California Riverside

Python User Group Calendar:

Trying to get IEPUG listed
on Python.org's User group listing



Python Podcast list:

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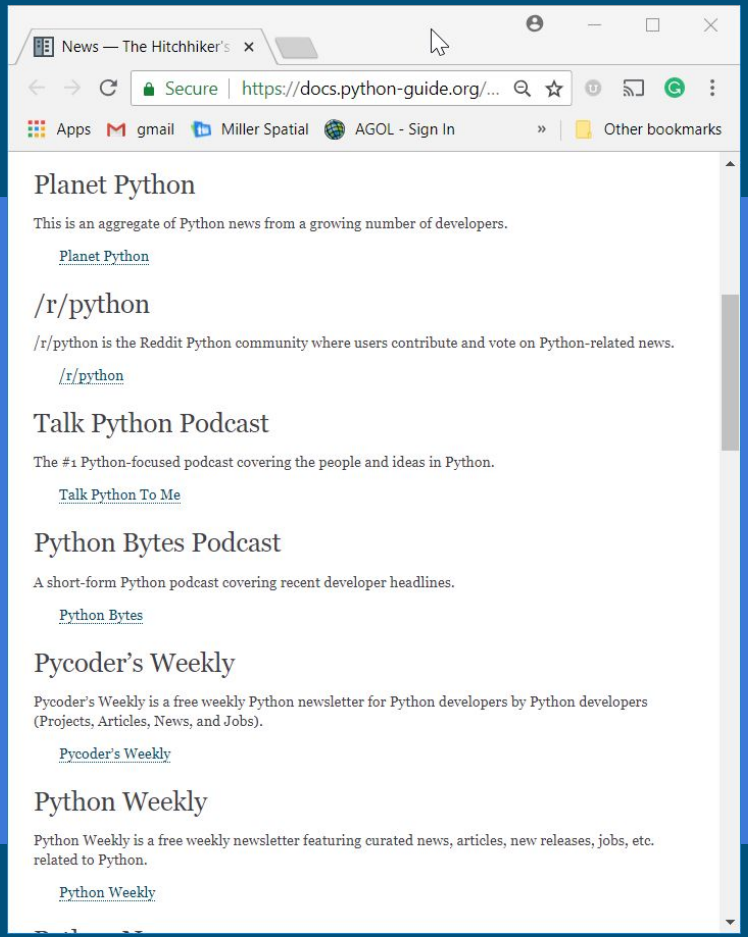
https://docs.python-guide.org/intro/news/



Python version releases:

Python 3.7.0

Release Date: 2018-06-27

Python 3.7.0 is the newest major release of the Python language, and it contains many new features and optimizations

https://www.python.org/downloads/release/python-370/

Python 2.7.15

Release Date: 2018-05-01

Python 2.7.15 is a bugfix release in the Python 2.7 series

https://www.python.org/downloads/release/python-2715/

Python For Beginners

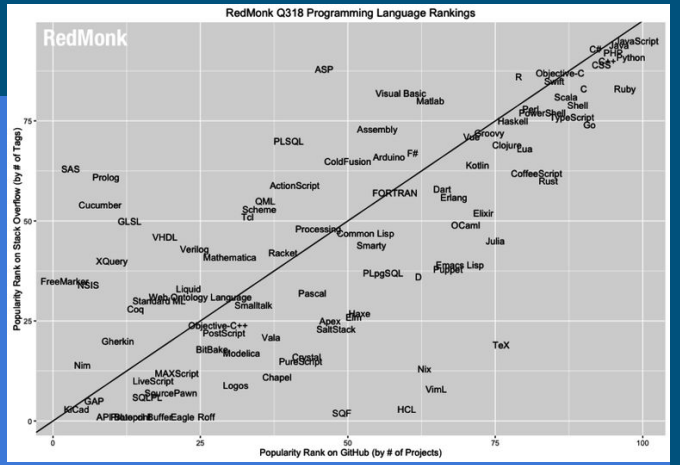
Welcome! Are you completely new to programming? If not then we presume you will be looking for information about why and how to get started with Python. Fortunately an experienced programmer in any programming language (whatever it may be) can pick up Python very quickly. It's also easy for beginners to use and learn, so jump in!
https://www.python.org/about/gettingstarted/

Code Shrew:

To help aspiring programmers start writing code, researchers from the Georgia Institute of Technology in the US have developed a free web-based platform called Code Shrew
https://shrew.app/

Pleasant programming playground paves popular Python path
https://www.theregister.co.uk/2018/08/07/code_shrew_python/

Julia: a Python replacement?



"If you are a mathematician, scientist, or engineer, you have historically had the choice to pick a language that was fast, like C++ or Java, or a language was easy to learn, like Matlab, R, or Python," says Viral Shah, one of the creators of Julia. "In Julia, we created a language that was simultaneously fast and easy."

Should data scientists using R and Python switch over to Julia?
https://qz.com/1360318/is-julia-a-good-alternative-to-r-and-python-for-programmers/

Possible Python rival? Programming language Julia is winning over developers
https://www.zdnet.com/article/possible-python-rival-programming-language-julia-is-winning-over-developers/
(languages in which program code is represented as the language's fundamental data type are called 'homoiconic')

Python resources:

Python Software Foundation: https://www.python.org/

OCPython: US.CA.Orange County's Python Community Group
https://www.meetup.com/OCPython/

Pasadena Python Developers: https://www.meetup.com/Pasadena-Python-Devs/

San Diego Python Users Group: https://www.meetup.com/pythonsd/

SoCal Python: https://www.meetup.com/socalpython/

Other groups:

Other groups that meet at RiversideIO/Excite:
Riverside Raspberry (https://www.meetup.com/Riverside-Raspberry/)
Riverside Ruby User Group (https://www.meetup.com/Riverside-Ruby-User-Group/)
IE Wordpress (https://www.meetup.com/inlandempirewp/)

Other Tech MeetUps in the IE:
Inland Empire Tech Happy Hour (https://www.meetup.com/ietechies/events/)

SoCal IT Professional Association (https://www.meetup.com/SoCalITPros/)

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IE Wordpress (https://www.meetup.com/inlandempirewp/)
Artificial Intelligence: Kick Ass Discussion in Action
(https://www.meetup.com/ArtificialIntelligencekickass/)

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Meeting notes:

Beginning Python programmers: look at June's IEPUG meetup slides:
https://github.com/IEPUG/MeetingSlides/blob/master/IEPUG%20meeting%2020180619.pdf

Python: tabs (?? don't remember what this note was for)

John Philip Jones python video series (https://www.youtube.com/user/johnphilipjones) member recommended video series

2.x and 3.x conversation:
2to3 (https://docs.python.org/2/library/2to3.html): a Python 2.x 3.7 program converter
Future (https://pypi.org/project/future/, http://python-future.org/): allows you to use 3.x libraries in 2.x

Meeting notes II:

Python virtual environments
VitrualEnv (https://virtualenv.pypa.io/en/stable/): also see June's 'Tools' meeting notes
PipENV (https://github.com/pyenv/pyenv)

future presentation ideas:
Jupyter
VirtualEnv

Humble Bundle (https://www.humblebundle.com/) watch for deals on computing book bundles

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