



Python Bootcamp

Session 0: Setting Up Environments
9am-9:30am

We Will Start Presenting at 9:30am

Due to staff constraints, we will not be able to provide real-time tech support for livestream viewers attending via Zoom

If you have any questions about the materials, feel free to type them in chat and we will answer them during question breaks

Python Bootcamp Short Break

We will be back at 10:45 am
to present
Session 2 - Loops and Conditionals

Due to staff constraints, we will not be able to provide real-time tech support for livestream viewers attending via Zoom

If you have any questions about the materials, feel free to type them in chat and we will answer them during question breaks

Python Bootcamp Lunch Break

We will be back at 1:30 pm
to present
Session 3 - Functions, Errors, and Exceptions

Due to staff constraints, we will not be able to provide real-time tech support for livestream viewers attending via Zoom

If you have any questions about the materials, feel free to type them in chat and we will answer them during question breaks

Python Bootcamp Short Break

We will be back at 3:00 pm
to present
Session 4 - Debugging and Next Steps

Due to staff constraints, we will not be able to provide real-time tech support for livestream viewers attending via Zoom

If you have any questions about the materials, feel free to type them in chat and we will answer them during question breaks



Python Bootcamp: Session 4

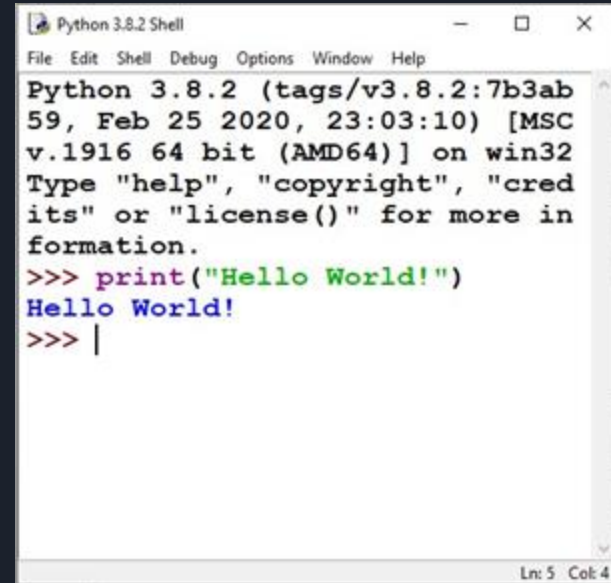


Jupyter Notebook Alternative

- Collaboratory
 - Google Drive App
 - Shareable
 - Hard to synchronously edit

How can you code in Python?

- Notepad
- Python IDLE
- Jupyter Notebook
- Anaconda*



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more in
formation.
>>> print("Hello World!")
Hello World!
>>> |
```

Ln: 5 Col: 4

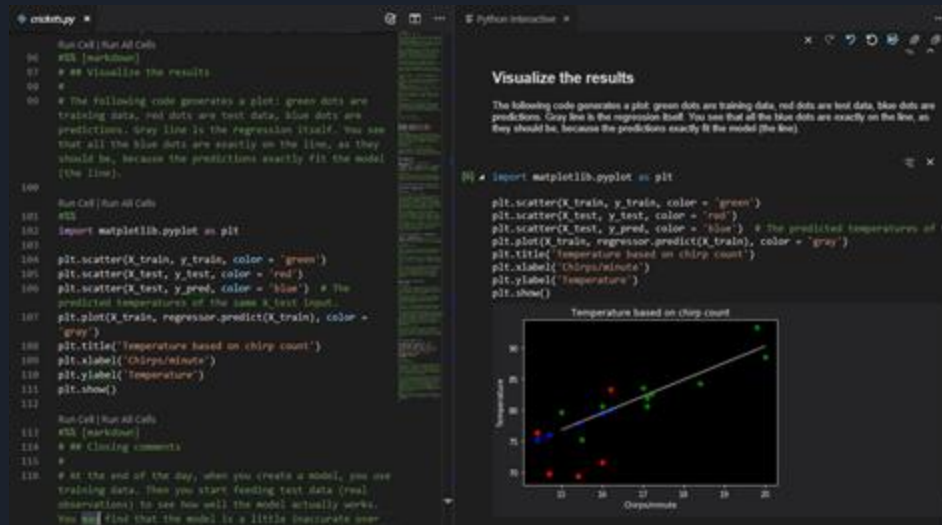


What is an IDE?

- Integrated development environment
 - Debugging
 - Syntax highlighting
 - Autocomplete code
 - Version Control
- Code Editors
 - Syntax Highlighting (and Debugging)

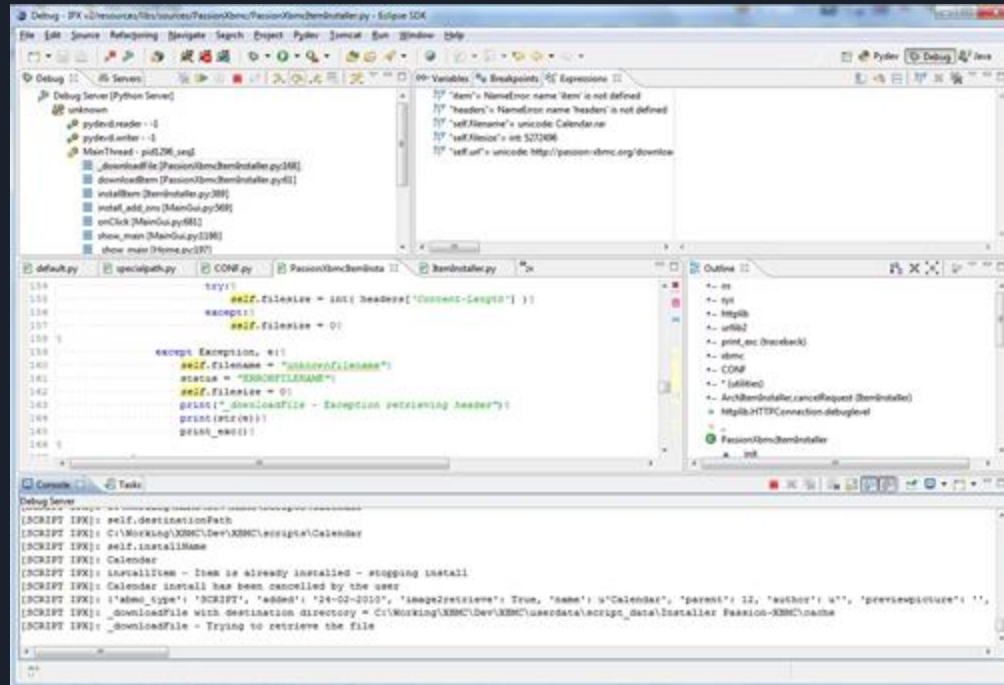
Code Editors with Python Support

- Sublime Text (evaluation version)
- Emacs
- Vi/Vim
- Visual Studio Code



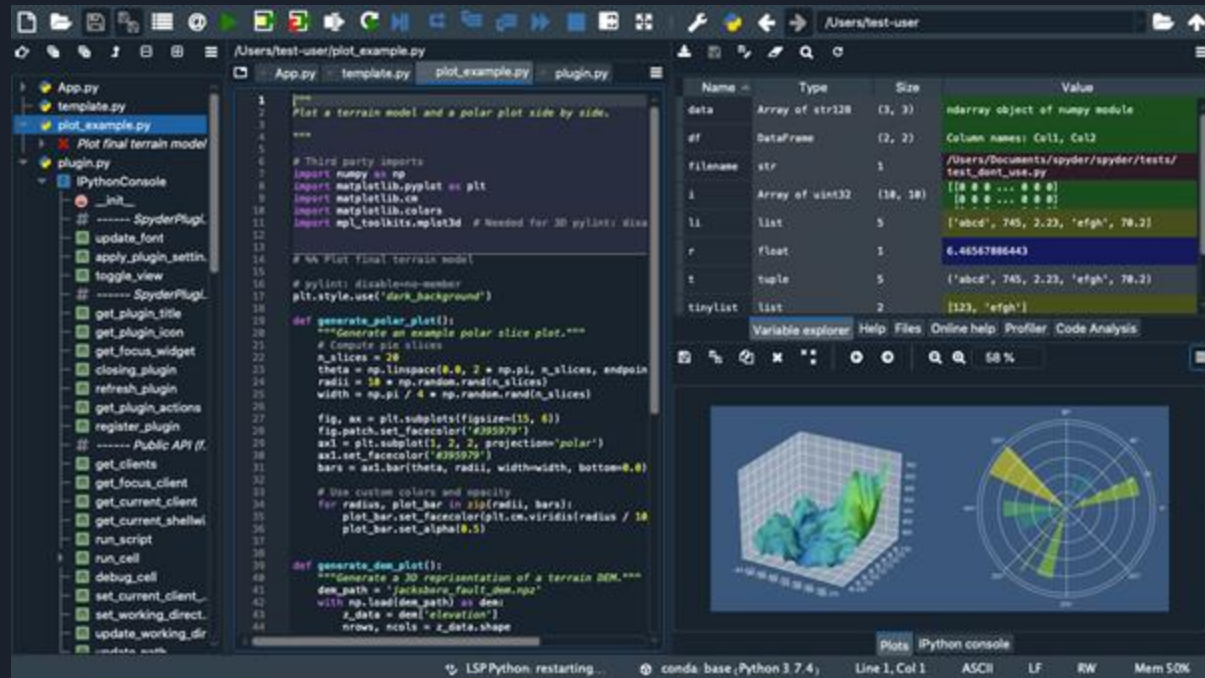
General IDEs with Python Support

- Eclipse + PyDev
- Visual Studio + Python Tools



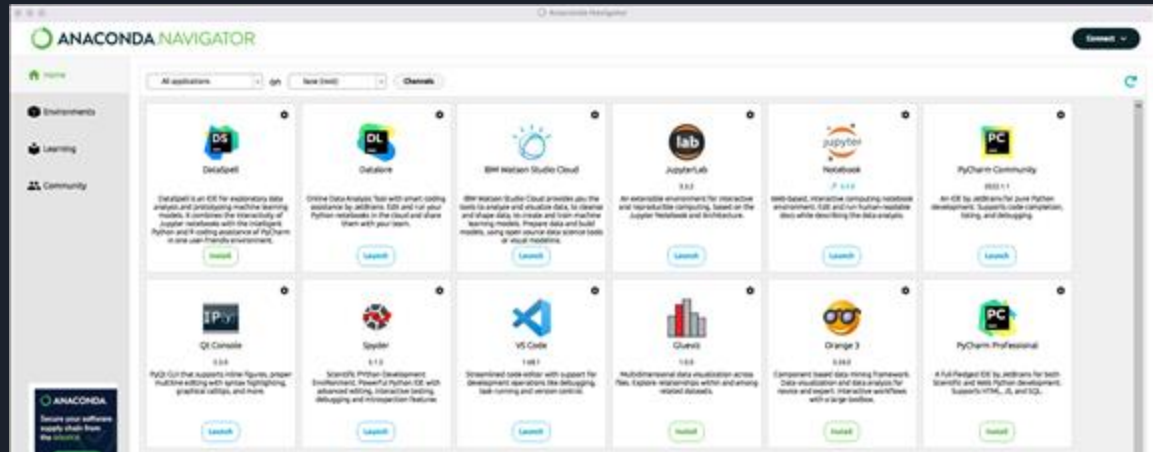
Python-Specific Editors and IDEs

- PyCharm
- Spyder
- Thonny

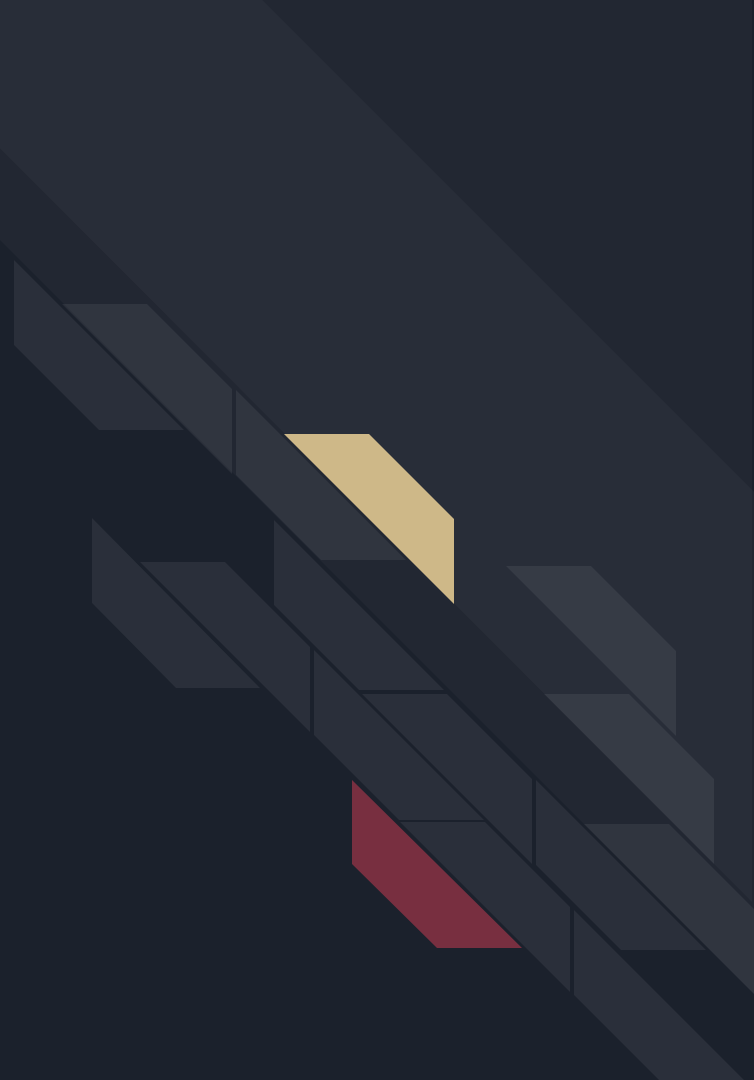


Anaconda Navigator

- Spyder
- Jupyter Notebook
- Jupyter Lab
- iPython



Moving Forward





FSU Resources

myFSU vLab

Research Computing Center - HPC



Learning Resources

<https://wiki.python.org/moin/BeginnersGuide/Programmers>

<https://github.com/openlists/PythonResources>

<https://programminghistorian.org/>

<https://software-carpentry.org/lessons/>

<https://docs.rcc.fsu.edu/driversed/>

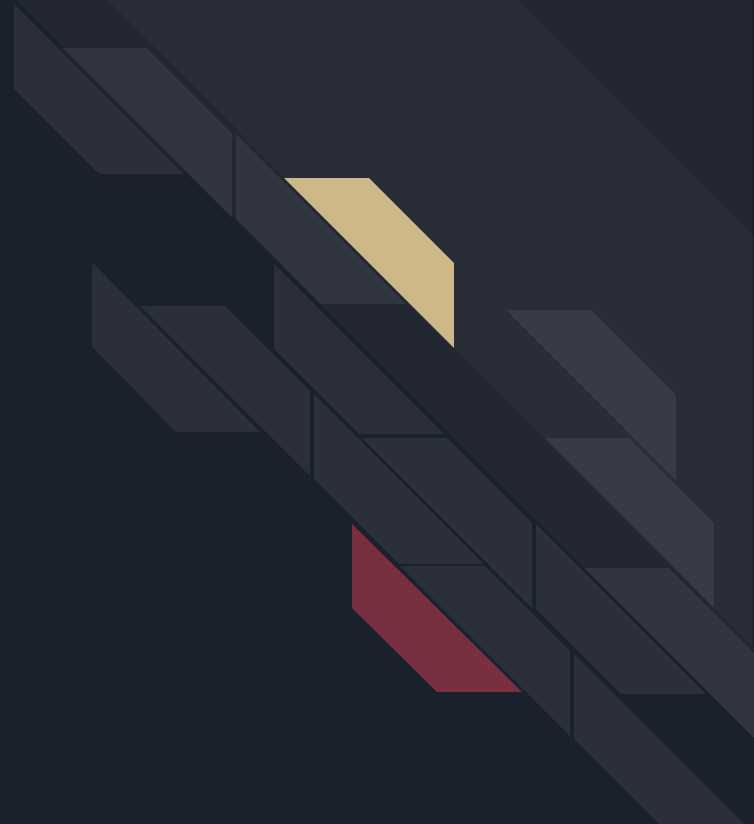
RCC Intermediate Python Workshop - March 25

Survey



https://fsu.qualtrics.com/jfe/form/SV_cuRifnJwTl1vLHo

Questions?





References

<https://realpython.com/python-ides-code-editors-guide/>

<https://swcarpentry.github.io/python-novice-inflammation/11-debugging/index.html>

<https://www.infoworld.com/article/3347406/what-is-jupyter-notebook-data-analysis-made-easier.html#toc-1>

<https://www.ibm.com/docs/en/watson-studio-local/1.2.3?topic=notebooks-markdown-jupyter-cheatsheet>