

Python

Summary & where next?

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What have we looked at

- Basics and control flow, booleans
- Lists, slicing and tuples
- Input/output
- Strings and text processing
- Functions, libraries and scripts
- Sets and dictionaries
- Errors and debugging
- OOP

What haven't we looked at

Of course there is a lot more to python - if only we had more time...

Where to go next?

- The best way to learn is to play...
- Get python installed on your desktop/laptop (on Windows, MAC or Linux).
- Use it to:
 - Read/write files
 - Move/copy files/folders using scripts
 - Make some nice plots

Places to learn more/practice

- Code Academy site has great exercises:

<https://www.codecademy.com/learn/learn-python>

- *Learning Python* by Lutz & Ascher (O'Reilly)

<https://shop.oreilly.com/product/9781565924642.do>

- Python website documents all the standard library modules:

<https://docs.python.org/3.7>

Places to learn more/practice

- Python website also has tutorials:

<https://docs.python.org/3/tutorial/>

- Software-Carpentry web site hosts videos and presentations and lots more:

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

CEDA materials

- Full version of the modules and exercises/solutions:

<https://github.com/ncasuk/ncas-isc>

Good luck!