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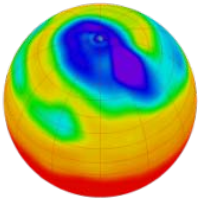
NATURAL ENVIRONMENT RESEARCH COUNCIL



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Summary & where next?

Thanks to all contributors:

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What have we looked at

- Introduction to Python, including...
- Basics and control flow
- Lists and tuples
- Input/output
- Strings and text processing
- Functions, libraries and scripts
- Sets, dictionaries and OOP

What haven't we looked at

We have only covered some of the basics...we missed out:

- Object oriented programming (in detail)
- Logging
- Aliasing
- Python debuggers
- Exception handling (errors)

And lots more!

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:
  http://www.codecademy.com/tracks/python
- *Learning Python* by Lutz & Ascher (O'Reilly)
  http://shop.oreilly.com/product/9781565924642.do
- Python website documents all the standard library modules:
  http://docs.python.org/2.7

Places to learn more/practice

- Python website also has tutorials:
  http://docs.python.org/2/tutorial/

- Software-Carpentry web site hosts videos and presentations and lots more:
  http://www.software-carpentry.org/v4/python/

CEDA materials

- Full version of the modules presented here:

  http://www.ceda.ac.uk/ncas-york-2014/

- Full version of the exercises and solutions:

http://www.ceda.ac.uk/static/media/uploads/ncas-york-2014/python_exercises_and_solutions.pdf

Good luck!