

Python Programming

... and FAIR Research

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<https://github.com/talavis/biomed-bioinf>

SciLifeLab
Data Centre

FAIR RESEARCH

- ▶ Findable
- ▶ Accessible
- ▶ Interoperable
- ▶ Reusable

REUSABILITY

- ▶ Reusable data
- ▶ Reusable analysis tools
- ▶ Reproducibility

PROGRAMMING

- ▶ Automate analysis
- ▶ Allow easy recalculation if parameters are changed
- ▶ Allow others to see exactly what has been done

PYTHON

- ▶ Python www.python.org
- ▶ Jupyter www.jupyter.org/
- ▶ Anaconda www.anaconda.com/distribution/

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LEARNING PYTHON

- ▶ Two hours is not enough
- ▶ Books
- ▶ Online courses
- ▶ “Real-life” courses
- ▶ Work on something you want/need

LEARNING PYTHON

- ▶ <https://www.coursera.org/courses?query=python>
- ▶ <https://www.edx.org/learn/python>
- ▶ <http://rosalind.info/problems/>