

# Python and Jupyter Notebooks

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# Learning Objectives

At the end of this session, participants should be able to:

- Perform python operations such as assigning values
- Use if statements and loops
- Use imported packages such as numpy and matplotlib
- Know where to go online for help

# To start

- First, lets make sure everyone can open a jupyter notebook

Wifi : **Wallacespace** ; password : **youarewelcome**

- Now we need to download the tutorial : **git clone**  
**[https://github.com/aa7e14/python\\_and\\_jupyter\\_notebook.git](https://github.com/aa7e14/python_and_jupyter_notebook.git)**

- It will probably make sense to work together – say in groups of 3
- For programming please try to write and run the code yourselves as well – work together but all write the code

# Where to get help?

- Python snippets: <https://www.w3schools.com/python/>
- Numpy quickstart tutorial: <https://docs.scipy.org/doc/numpy-1.15.1/user/quickstart.html>
- Matplotlib quickstart tutorial: [https://matplotlib.org/users/pyplot\\_tutorial.html](https://matplotlib.org/users/pyplot_tutorial.html)
- Or – google your question – someone will have had the same issue!
- Ask me !