**For more info about:**

**Getting help**

Google the online documentation & references for each package

Asks questions to Stack**overflow** <https://stackoverflow.com/> & Google

**Our workshop**

Link to repo

**Installation of Python and MiniConda**

<https://github.com/cgentemann/cloud_science/blob/master/GHRSST_tutorial/python_installation_instructions>

**Python**

There are many introductions to Python online, videos and online tutorials. Two very easy tutorials:

<https://www.learnpython.org/>

<https://www.w3schools.com/python/>

This one is very thorough:

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

Focused on data science:

<http://earthpy.org/category/introduction-to-python.html>

<https://twiecki.io/blog/2014/11/18/python-for-data-science/>

**Jupyter Notebooks**

Main website: <https://jupyter.org/>

In your Notebook: Menu-> Help-> User Interface Tour

Menu-> Help-> Keyboard Shortcuts

Other tutorials:

<https://www.dataquest.io/blog/jupyter-notebook-tutorial/>

<https://medium.com/codingthesmartway-com-blog/getting-started-with-jupyter-notebook-for-python-4e7082bd5d46>

**Datatypes: datetime**

<https://www.guru99.com/date-time-and-datetime-classes-in-python.html>

**Numpy**

<https://www.python-course.eu/numpy.php>

Some good examples: <https://realpython.com/tutorials/numpy/>

Very thorough: <https://docs.scipy.org/doc/numpy/user/quickstart.html>

**Pandas**

<https://pandas.pydata.org/pandas-docs/stable/getting_started/10min.html>

<https://pandas.pydata.org/pandas-docs/stable/getting_started/dsintro.html>

<https://www.datacamp.com/community/tutorials/pandas-tutorial-dataframe-python>

<https://data36.com/pandas-tutorial-1-basics-reading-data-files-dataframes-data-selection/>

<https://www.hackerearth.com/practice/machine-learning/data-manipulation-visualisation-r-python/tutorial-data-manipulation-numpy-pandas-python/tutorial/>

**Xarray**

<http://xarray.pydata.org/en/stable/>

<https://rabernat.github.io/research_computing/xarray.html>

**Object oriented programming with Python**

<https://realpython.com/python3-object-oriented-programming/>