

# Harmonisation Interactive Lecture – Preparation Guide (macOS)

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## Installing the Prerequisites

The [Anaconda](#) Python distribution contains almost everything you need to get started with the interactive lecture (Python 3 with a few additional packages). To install this:

1. Visit the [Anaconda downloads](#) page.
2. Scroll down the page and click on “Download” for the Python 3.X version.
3. Run the installer and you should be ready to go!

More advanced users may wish to use Homebrew to do this, follow this [link](#) for instructions.

In addition to python modules that come with Anaconda, cartopy and xarray must be installed. To do this run the following in the command line:

```
conda install -c conda-forge cartopy  
conda install xarray
```

## Getting the Interactive Lecture Files

The interactive lecture files are available on Dropbox for download. Do this in the following way:

1. Follow this [link](#) to the interactive lecture folder on Dropbox.
2. Download the contents of this folder to your computer, by clicking download then direct download.
3. Unzip the files to a folder wherever you like on your computer.

## Opening the Interactive Lecture Files

Once you have downloaded the interactive lecture files you can open them as follows:

1. Open a Terminal window, `cd` into the directory where the lecture resides
2. Type in the following command and press return:

```
jupyter notebook
```

A browser window opens and shows the directory contents. Click on an interactive lecture iPython notebook file and play with it!

## Uninstalling the Prerequisites

If you would like to uninstall Anaconda after the lecture is complete follow this [link](#) for instructions