INSTRUCTIONS FOR SETTING UP YOUR LAPTOP

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Step 1: Obtaining a distribution of Python 2.7

Go to https://www.continuum.io/downloads and follow the instructions to download and install a Python 2.7 (*not Python 3.5*) distribution for whichever operating system your laptop has. The Python package manager installed is called Anaconda.

Step 2: Testing the Jupyter Notebook

For Windows: Open up an Anaconda2 prompt (this should be available in the apps/start menu after completing Step 1) and type `jupyter notebook`. Your default web browser should open up showing a URL of `http://localhost:8888/tree` and `jupyter` should be displayed at the top of the webpage. Whatever directory the Anaconda2 prompt was set to when you typed `jupyter notebook` will have all of its contents displayed on the webpage. For now, close the tab in the web browser associated with the notebook and enter Ctrl+C twice in the Anaconda2 prompt to close everything down.

Congratulations, everything is working properly.

For Mac OS or Linux: Open up a terminal and type `jupyter notebook`. Your default web browser should open up showing a URL of `http://localhost:8888/tree` and `jupyter` should be displayed at the top of the webpage. Whatever directory the Anaconda2 prompt was set to when you typed `jupyter notebook` will have all of its contents displayed on the webpage. For now, close the tab in the web browser associated with the notebook and enter Ctrl+C twice in the terminal to close everything down.

Congratulations, everything is working properly.

Step 3: Obtain a copy of the lectures

Go to https://github.com/variscarey/CCM-Intro-to-SC and either clone or download the repository. If you are unfamiliar with using `git`, then just download the repository and unzip it to wherever you want the repository to reside on your hard drive.

Step 4: One final test

Repeat step 2 except prior to typing `jupyter notebook` you should first change the directory (either within the Anaconda2 prompt if you are using Windows, or within a terminal if you are using Mac OS or

Linux) to where you cloned or unzipped the repository. Then, type `jupyter notebook`. The URL should be the same but the files/folders displayed should now be from the repository. Click on one of the lectures (with exensions .ipynb). A new tab should open in your web browser (it may take a few seconds to load). In the upper left part of the notebook that is displayed, you should see a toolbar listing options like "File", "Edit", etc. Find the option titled "Cell" and select "Run All". Scroll through the notebook. We will go over the results in the lectures. For now, you just want to check that something ran and there are outputs following the blocks of code.

Now, close the tab with the lecture you opened, and in the tab that was originally opened, click on "Running" and click on the shutdown button to the right of the Notebook that you opened. Now, close that tab and hit Ctrl+C in either the Anaconda2 prompt (Windows users) or in the terminal (Mac OS or Linux users) as before.

Congratulations, everything is working properly.