Python Bootcamp Instructions

SIR, YES SIR!

Welcome to Python bootcamp!

This course contains the Python Bootcamp for 2nd year astronomers. The idea behind the bootcamp is to prepare you for the Python programming part of PHY241. Programming is a vital skill for a scientist and you'll use it throughout your course, so we want to make sure everyone is on the same page before we start.

— What should I do? —

All students **need** to have worked on the bootcamps (parts I and II) over the summer break. Bootcamp part 1 should be revision – it tells you how to run Python and use the Jupyter notebook. Part 2 brings everyone up to the same level in Python – we introduce some useful libraries, how to use *functions* and common Python errors.

At the start of the Autumn Semester we will run a single session so you can get help with the material in these bootcamps before starting the PHY241 sessions.

— Bootcamp part I —

In the folder pybootcamp-part1 are a collection of files that introduce what Python is, how to install it on your laptop, and how to run Python.

- Open the notebook files and read them in order.
- Complete any tasks that are indicated by green boxes in the notebook.

— Bootcamp part II —

- Open the notebook files and read them in order.
- Complete any tasks that are indicated by green boxes in the notebook.

Where do I get help?

Don't suffer in silence! If you get stuck or confused, try sending me an email at s.littlefair@shef.ac.uk. You can get help directly from the notebook by opening the chat and typing a message that starts with `@Stuart Littlefair` – this will email me and I'll get back to you as soon as possible.