

Python Crash Course

Let's learn something!





- We'll now have a quick crash course in Python and the Jupyter Notebook system.
- Before we continue, let's discuss a few things to keep in mind!



- If you already know enough Python to create functions, you can probably just skip this section, you're good to go!
- If you need a review, stick around and go through these lectures!



- Not sure if you know enough? No problem!
- Just move forward through the curriculum and attempt the Python Crash Course Exercises, if you can solve them, you know enough!



- This is meant to be a quick review, preferably you should already know how to program before enrolling in this course!
- We'll only cover concepts to the level you need to know to use Python with Spark (PySpark) well.





- We'll use the Jupyter Notebook for the course so we'll start with a very quick review of it.
- Remember you don't have to use the Jupyter Notebook! You can use any IDE or text editor you prefer, the same code works for any environment!





Let's get started!

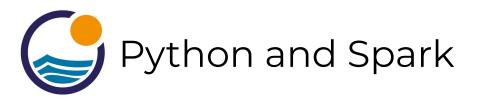




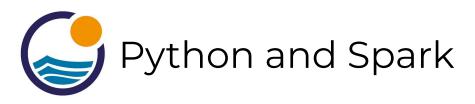
Jupyter Notebook

Let's learn something!





- In case you're new to the Jupyter
 Notebook system, this lecture will briefly cover the basics!
- Feel free to skip if you are familiar with Jupyter Notebooks!

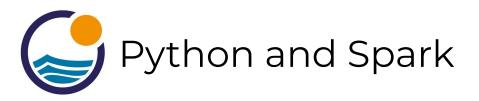


- Jupyter Notebooks use a .ipynb file format but can be saved to a .py file (even html and pdfs)
- You can't double click a .ipynb file to open it, you need to do it through the command line.



- Just open up your terminal and type:
 - jupyter notebook
- Then navigate to wherever your notebook is stored.
- You can always use cd to navigate in the terminal beforehand.





 Now let's jump to a Jupyter Notebook to discuss a few key features!



Python Crash Course Exercises - Solutions

