Python Crash Course
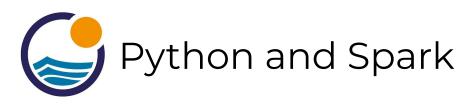
Let's learn something!

Python and Spark

- 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!

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Python and Spark

- 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!

Python and Spark

- 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!

Python and Spark

- 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.

Python and Spark

- 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!

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Python and Spark

- Let's get started!

Jupyter Notebook

Let's learn something!

Python and Spark

- 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!
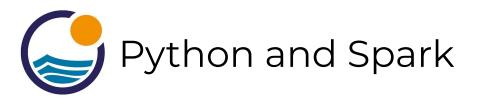
Python and Spark

- 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.

Python and Spark

- 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.

Python and Spark

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

Python Crash Course Exercises - Solutions