



This workshop will start
at 10:02 am Central

Python Fundamentals

Friday: Pandas DataFrames

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About this bootcamp

Cameras are **not** required during these lectures.

We have Dan Turner and Haley Carter here as TAs.

If my internet goes out during a lecture, that means everyone gets a 10-minute break!

Plan for the week - **6 basic objects**

LEARN PYTHON

Monday

- Objects
 - **integers**
 - **floats**
 - **booleans**
 - **strings**
- Functions
 - basic operators
 - convert between objects
 - string functions
- Concepts
 - naming variables
 - indexing strings

Tuesday

- Objects
 - **lists**
- Functions
 - list functions
- Concepts
 - for loops
 - if statements
 - error handling
 - importing functions from modules

Wednesday

- Objects
 - **dictionaries**
 - files
- Concepts
 - writing files
 - looping through dictionaries
 - writing your own functions

Thursday

- Concepts
 - interactive coding
 - writing scripts
 - running scripts
 - putting it all together

DATAFRAMES

Friday

- Objects
 - pandas dataframes
 - pandas series
 - plots
- Functions
 - dataframe functions
 - series functions
- Concepts
 - selecting data
 - filtering data
 - plotting data

Options to open fridayLecture.ipynb:

If you are running Jupyter Lab on your own computer:

- Go to <https://github.com/aGitHasNoName/pythonBootcampFriday>. Click on the green Code button and choose Download ZIP. Unzip that folder. Open Anaconda Navigator and open Jupyter Lab. Navigate to the folder you just unzipped. Open fridayLecture.ipynb

If you are using Google Colab (online)

- Go to colab.research.google.com. Choose GitHub on the orange menu. Search for agithasnoname/pythonbootcampfriday. Choose fridayLecture.ipynb

Let's code!



FRIDAY HOMEWORK

Complete by any
time you like!

No quiz!

Complete the `fridayLecture.ipynb`
notebook.

Email me questions.

Thank you for attending! I will email out
follow-up info about what you can do
next to keep up with your Python.