Python Resources

1. **How to run your code:**

It truly does not matter which of these you use as long as you like it and you can run your code! I recommend you do a little research / try a few out and see which you like.

The most basic method:
- Text editor + the terminal on your machine.
- Popular text editors: Atom, Notepad++, Sublime Text

Integrated Development Environments (IDEs):
- You can write and run your code in the same environment. These are very popular for Python.
- Popular IDEs: VSCode, Spyder, Jupyter Notebook, PyCharm

2. **Sample Projects:**

These all have very well-written READMEs and code structured in a way that makes sense

Data Analysis:
https://github.com/tayfritz/spacexdata/blob/main/spacex.ipynb

Battleship game simulation: this is a pretty advanced example
https://github.com/ericnerby/battleship-bot

DnD Character creator:
https://github.com/Djbray79/DnDCharacter/tree/master

Jeopardy Game:
https://github.com/acuyjet/jeopardy

Blackjack Game: another mentor's example, so a pretty advanced project as well
https://github.com/zachtib/Blackjack

Assorted other projects I haven't looked at yet:
https://github.com/TonZaga/BranhamBudgetTracker
https://github.com/kendoka69/python_titanic_project
https://github.com/Menaka-GH/sales_system_analysis.git
https://github.com/a-hawley/Chocolate-Bar-Analysis

3. **Python Resources**

If you need more examples outside of Treehouse (you will eventually), read through these.

Python Resources

a. We will almost always tell you to “read the docs” first. That means checking the documentation for the language or Python package you’re using. The Python docs are located here: https://docs.python.org/3/. If you’re using numpy, a popular computation module, the docs are located here: https://numpy.org/doc/. Always check the docs first, it’s a skill you’ll develop over time even if they seem dense and difficult to understand at first.

b. Videos: Corey Schafer’s videos on Youtube are fantastic. Don’t depend on these, but for specific topics they’re very good: https://www.youtube.com/channel/UCCezIgC97PvUuR4_gbFUs5g

c. Data Science book: https://jakevdp.github.io/PythonDataScienceHandbook/

i. Do not read this until you’ve mastered Python basics, but once you’ve done that, it’s a great book. It’s free.

d. Intro Python book: https://greenteapress.com/wp/think-python/ an intro Python book, this one is also free. A very good intro - if you prefer books over videos, check this out.

4. Data Sources:

If you get into the data science-y side of things, you’ll eventually need data sources to find data. Here are some good ones, we’ll explain how to use them soon.

a. https://www.data.gov/
b. https://data.louisvilleky.gov/
c. https://www.kaggle.com/datasets
d. https://www.quandl.com/search