Week 12 Assignment

Write a program that pulls down biological data from a public API using the requests module

Public APIs are listed here : https://github.com/public-apis/public-apis

Try to find an API that gives you access to some kind of biological data

You may need to get authorization first, depending on which site you use.

You can try other databases to see if they work with requests.

Alternatively if you find a good database that does not work with requests, but there is a python module that can interact with the API, you can use that. (don't use a data source that we have already worked with e.g. NCBI)

Have your program generate two graphs that summarize some key features of your data (use the matplotlib module, and label the axis)

If it helps, you can separate your data acquisition script from your graphing script and turn in two programs.

Write a 400 word (approximately) summary of what your data is and what your graphs are showing.

Turn in a zipped archive containing:

Your code

A file with a sample of your data (nothing too big)

Two image files with your graphs (png format)

Your summary