

Lab-2.1: Assignment

Gathering text data with an API

IMPORTANT: The lab shown here (on the website) is just an HTML version, included for reference. To download the assignment, please navigate to the Labs tab in the Sharepoint dropdown menu in the website's navigation bar. The relevant assignment can be determined from the folder's name, click on the three dots & select download to get the assignment.

NOTE: It is recommended that you complete this [.ipynb](#) file in VS-code.

Submission:

- Export the completed assignment to HTML or PDF (preferably with Quarto) and upload it to Canvas.
- The final uploaded version should NOT have any code-errors present
- All outputs must be visible in the uploaded version, including code-cell outputs, images, graphs, etc

Assignment-1:

- Read over the [News-API](#), [Wikipedia API](#), and [Google Scholar API](#) sections in the lab-demonstration section, if you have not done so already.
 - <https://jfh.georgetown.domains/dsan5000/>
- Get an API key for the [News-API](#): [see following link](#)
- **Submission:** Insert your API key below

► Code

Assignment-2:

- Use the provided [News-API](#) code as a starting point
- Select [THREE](#) random topics (e.g. Georgetown, Cats, Clouds) but choose whatever you like
- Query the API to pull text data and store the results in three different dictionaries
- Extract the [title](#) and [description](#) text and store for later processing (up to you how you do this)
- Clean the text as needed

Assignment-3:

- Use the provided [Wikipedia-API](#) code as a starting point
- For EACH **THREE** of the random topics, create a word cloud for your cleaned **title** and **description** text

