

Assignment 4 – GGS416

Due October 4th, 2022

Having explored the API code for accessing both sentinel-2 and planet data, your task this week is to collate and execute a script to obtain new imagery from both sources.

Your imagery should be:

- For a single unique location. Do not collaborate with other students. Your location should be entirely unique to you (e.g., related to your coursework project, your birthplace, a place you want to travel to visit etc.).
- For a recent time-period, e.g., in the last 1-2 months.
- From both sentinel-2 and planet (the aim is to get images from two different sources but with as little time gap between them as possible, to minimize variance).

Once you've collated the code, either submit the underlying notebook as a pdf, or take screenshots of your notebook, and paste into a word document for inspection.

Your aim is to compare the images you obtain of your chosen location from sentinel-2 and planet. Submit the images side-by-side with your critical analysis.

50% of the grade is dependent on your submitted code, which should feature your annotations/comments, to demonstrate you understand what the API query code is doing. This matters because future classes build on this knowledge sequentially.

The point of this exercise is to enable you to become familiar with extracting imagery via an API, as this is critical for your coursework projects (and future careers!).

The Mason honor code applies.