**Context: Each pair of coordinates represents the centroid of a 10m resolution raster.**

**Json\_12\_2.txt:** Output of the backend code that contains the input of each coordinate point and the associated probability of a land cover class predicted. It serves as the input of the python code.

**ReadJsonWithFunctions.py:** The python code that reads the backend output as the input and converts it to a set of 2 geojson files--final land cover class and the associated probability.

**LandCover2.geojson & LandCoverPro2.geojson:** The 2 geojson output files (as point) from the python code.

**PointOutput.zip**: Contains 2 shapefiles (as points) generated by the 2 geojson output files.

**To run the Python code:**

1. Install Anaconda
2. Go to <https://www.lfd.uci.edu/~gohlke/pythonlibs/>
3. Download the following packages that ends in .whl: GDAL, Shapely, pyproj, Fiona, geopandas, rasterio, scipy.
4. Check your Anaconda Python version. The current (Dec 2022) version is Python 3.9x, so download the latest version of the files containing “cp39” in the file names.
5. In the Anaconda prompt (not Powershell), cd to your download folder.
6. Install the packages **in the order listed in #3** by typing pip install yyy-cp39-xxxx.whl
7. Go to <https://pypi.org/project/geojson/#files>
8. Download the latest geojson whl package.
9. In the Anaconda command prompt, pip install the geojson
10. In the Anaconda command prompt, cd to your project folder.
11. Type idle
12. Idle of the latest python should be opened and run the codes there.