Here are several notes by the creator for anyone who wants to use the files on this repository:

1. In order to download the data to analyze, you may need to download both the CSV and JSON files of the AGN data, found in the Fermi LAT Light Curve Repository: https://fermi.gsfc.nasa.gov/ssc/data/access/lat/LightCurveRepository/
   After searching up the AGN, click on 'LCR Light Curves', and pick the one-month binned data.
   I also suggest that you put the files of the data in the same folder as the code.
   There is also a naming convention for the JSON and CSV files in this code; you must name it as follows: [Association name]_1monthbinned.json or [Association name]_1monthbinned.csv
   Of course, feel free to change this naming convention, or anything else, in your own branch.
   There are examples of this naming convention in the repository, using 1 month binned data from the AGN PG 1553+113.

2. The fisherPDM() method, which is the method to determine the significance of the dominant period found by Phase Dispersion Minimization, is not optimal to determine significance.
   The optimal number of permutations of Fisher's method of randomization should be 10000-20000, but since each Phase Dispersion Minimization computation takes around seven seconds, you can imagine how long 10000 permutations would take.
   As a result, I have gone for 500 permutations, which will not give an accurate False Alarm Probability. 500 permutations still takes around an hour to run.

3. The Main.py file is an example of how to implement all of the methods in a cohesive, user-friendly pipeline.
   In this Main file, you will see a dictionary containing the literature periods for different AGN. If you wish to find the periodicity of an AGN that is not already in the dictionary, simply add the association name and the expected period as a key, value pair in the dictionary.