Homework 4: Procedural Python With Unit Tests

In class on 1-25, we created the several functions. This homework asks you to extend these functions and create tests for them.

1. Create the function `remove_data` that deletes cached data, including the zip file. (1 pt)
2. Modify `download_if_needed` so that it reports an error if the URL does not exist or the server is not responding. (Hint: Try downloading the file using `urllib3` instead of `wget`.) (1 pt)
3. Create a separate test file that tests `download_if_needed`, `plot_daily_totals`, and `remove_data`. Note that for `download_if_needed` there are two cases to test for (data are present and data are not present). (3 pt)