System test case - Original repository

Test case details

Tester: Eetu Luoma

Date: 10.04.2024

Device: Desktop Computer, fast modern processor, Windows 11 Home v.23H2

Environment details:

- Most recent master branch of the original project branch
  (https://github.com/uclaml/ucla-covid19-forecasts)
- most recent commit is 2 years ago:
  3ecc1228ad8ec4b9bcd439218107091c4ce2e0f4
- Anaconda virtual environment used with development
- Python and used imports:
  - Python 3.12.1
  - numpy 1.26.3
  - pandas 2.1.4
  - us 3.1.1
- Special conditions:
  - Since the UCLA base version does not work, some fixes
    copied over from our version

Test details

Test is a system test, running the whole model with specific parameters. For this test case we attempt run the parameters of Neil Patel's Master's thesis and compare numbers to both apparent numbers in the thesis, and the numbers in test case 4. Purpose of test is to get some idea about the functionality of the model for G11's current project so that statements about functionality can be made.

Parameters:

- Dataset: NYtimes (JHU in practice, see test 4 or the code)
- END_DATE: 2022-03-06
- VAL_END_DATE: 2022-03-08
- level: nation

Test steps and results:

1. Run validation.py with the following arguments:
   validation.py **–END_DATE** *2022-03-06* **–VAL_END_DATE** *2022-03-08* **–dataset** *NYTIMES* **–level** *nation*
   a. Result: Testing failed and test case aborted. The base version of the code has problem after problem even when pasting fixes from the group's project, so it was decided that it does not make sense to start fixing the UCLA version just to run the test, since it kind of invalidates the base premise of testing the original version, and it is not useful work here.

Test results

Failure, test case aborted due to base code being broken beyond tester's patience.