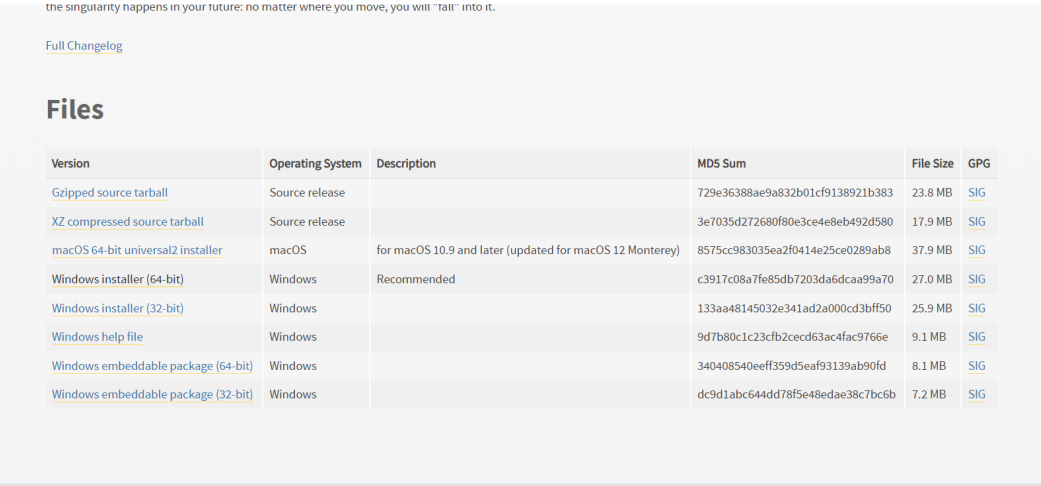
1. Install Python 3.10 (not the newest version) for windows at https://www.python.org/downloads/release/python-3100/



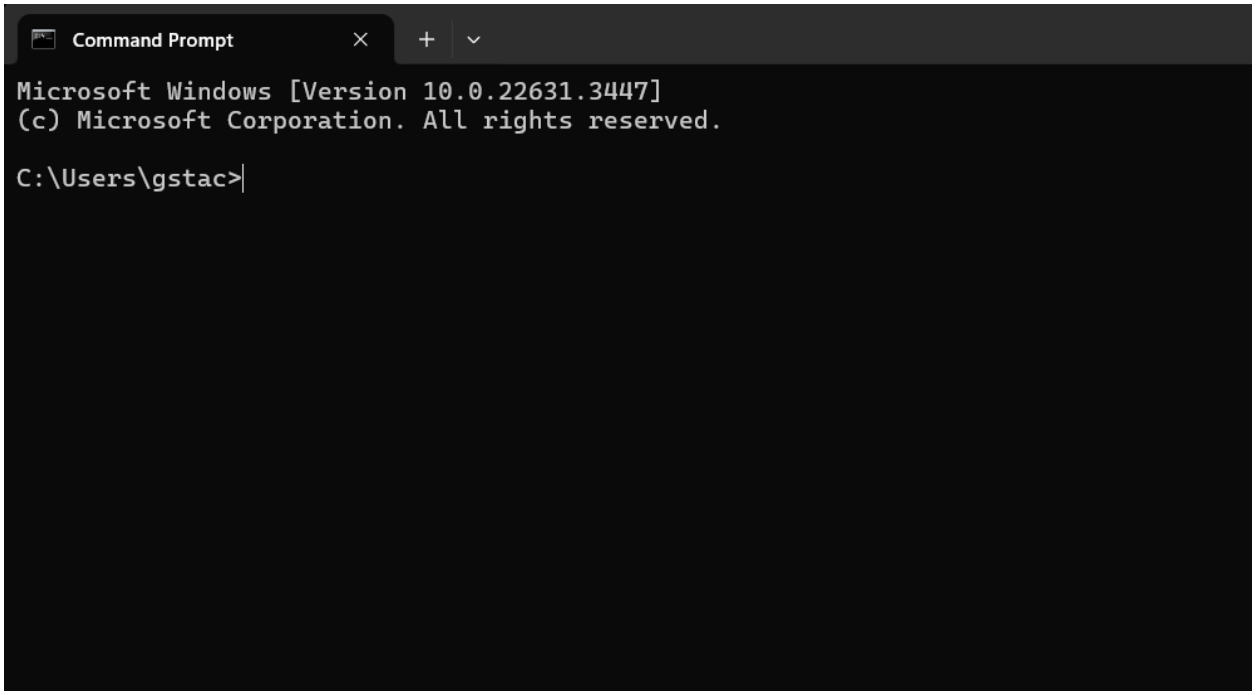
the singularity happens in your future: no matter where you move, you will "fall" into it.

Full Changelog

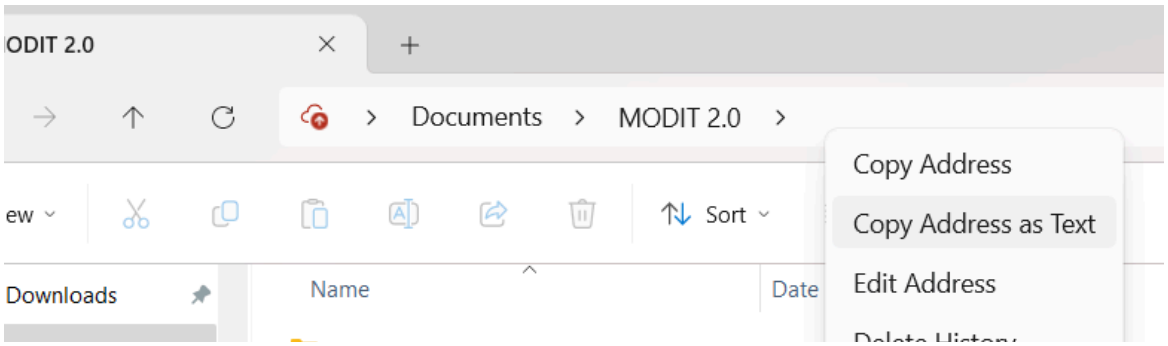
Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		729e36388ae9a832b01cf9138921b383	23.8 MB	SIG
XZ compressed source tarball	Source release		3e7035d272680f80e3ce4e8eb492d580	17.9 MB	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later (updated for macOS 12 Monterey)	8575cc983035ea2f0414e25ce0289ab8	37.9 MB	SIG
Windows installer (64-bit)	Windows	Recommended	c3917c08a7fe85db7203da6dcaa99a70	27.0 MB	SIG
Windows installer (32-bit)	Windows		133aa4814503 2e341ad2a000cd3bff50	25.9 MB	SIG
Windows help file	Windows		9d7b80c1c23cfb2cecd63ac4fac9766e	9.1 MB	SIG
Windows embeddable package (64-bit)	Windows		340408540eeff359d5eaf93139ab90fd	8.1 MB	SIG
Windows embeddable package (32-bit)	Windows		dc9d1abc644dd78f5e48edae38c7bc6b	7.2 MB	SIG

2. Create a folder for MODIT 2.0.
3. Add the folder with the source code to the MODIT 2.0 folder.
4. Add the data file into the MODIT 2.0 folder.
5. Open the command prompt.



6. Navigate to the MODIT 2.0 folder by using the command: cd followed by the path to the folder (ex. C:\Users\username\Desktop\MODIT 2.0). On windows, this path can be copied from file explorer by right clicking the address bar and selecting “Copy Address as Text.



You can use dir to see the contents of the directory.

7. Enter “python3 -m venv venv” to create a virtual environment through which you can run the program. If you get an error message stating that Python is not installed, try replacing “python3” with “python” or “py.” If this still does not work, it may be under a different alias, or python may be missing from your Path Environment Variables.

   On Windows:

   a. In the start menu, search “Edit the system environment variables.” And click on the first result.
   b. Click the tab labeled “Advanced” and select the button labeled “Environment Variables…”
   c. Double click on the entry named ‘Path’
   d. There should be a path to your Python installation. Copy the path and navigate to it in file explorer. This folder will contain an executable. The name of this executable is the alias that should be entered as the first part of the previous command.
   e. If there is no path for python in the Path variable, one must be created. Press the ‘New’ button and enter the path to the folder containing the Python executable which was installed previously. Now repeat the previous step using the name of the python executable.

8. To start the Virtual Environment:

   On windows:

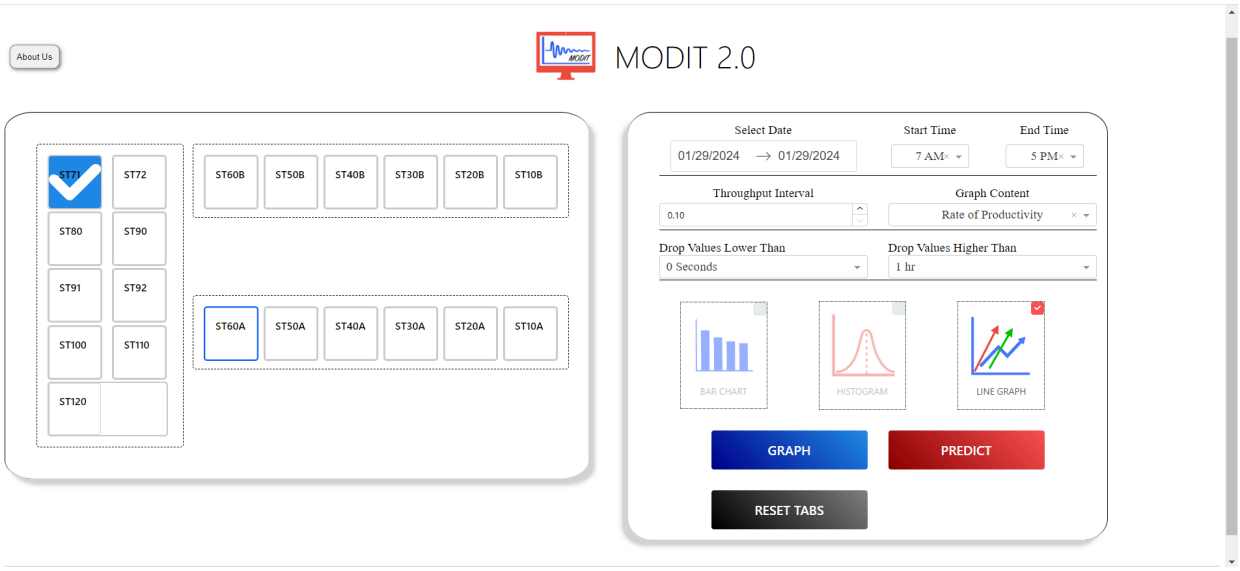
   - Enter cd venv/Scripts/
   - Enter activate

- Enter cd .. twice to navigate back to the MODIT 2.0 directory

On MacOs:

- Enter “source venv/bin/activate” to start the virtual environment.

9. To download requirements:
    a. If using Mac, enter “pip3 install -r requirementsMacOS.txt” to install required libraries.
    b. If using Windows, enter “pip3 install -r requirementsWindows.txt” to install required libraries.
10. Enter “python3 app.py” to start running the program.
11. Wait a few minutes until the command prompt reappears.
12. Enter the file name without the “.xlsx” portion.
13. Wait a few minutes for the terminal to display where the software is being run.
14. Copy the link to the local host and paste it to your web browser.
15. The following webpage should appear



16. Predict future machine performance by simply pressing the “Predict” button.
17. Create Graphs by selecting at the very least:
    a. Machine names

b. Start Day to End Day

c. Start Time to End Time

d. Graph Content

e. Graph Type