

✚ First, I **highly** recommend installing MiKTeX on your computer (<https://miktex.org/>). This is an open-source, integrated TeX package manager that automatically flags missing required packages and allows you to view locally-installed packages.

✚ If you're getting an error when trying to implement TeX into any Python code (i.e., matplotlib notebooks), here are a few things to try:

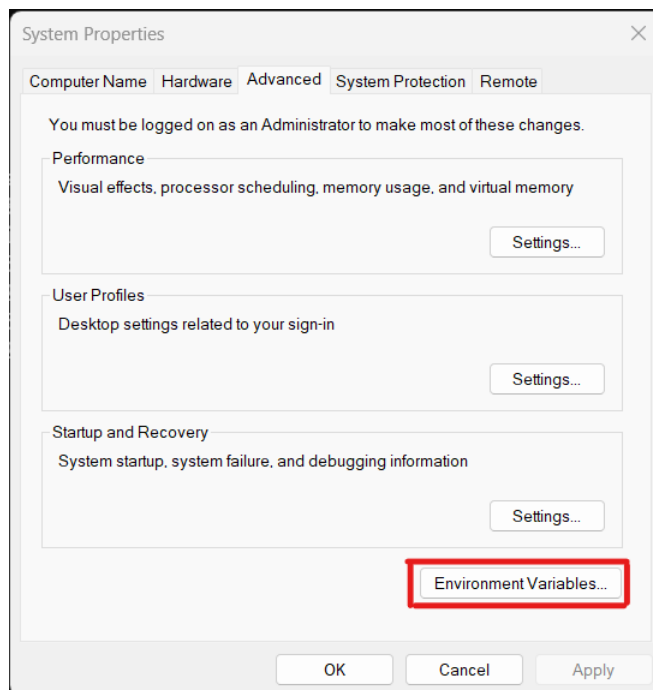
1. Check if TeX / LaTeX is installed

→ Enter `pdftex --version` or `pdflatex --version` in the command line

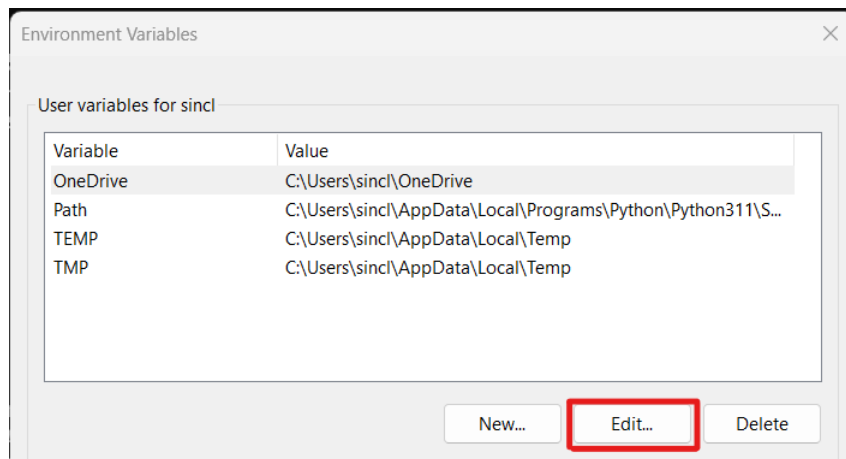
2. Check if Python recognizes external dependencies

Instructions for Windows

→ Open Advanced System Properties to view Environment Variables, this can be done by entering "Edit the system environment variables" into the Windows search bar. Select Environment Variables.

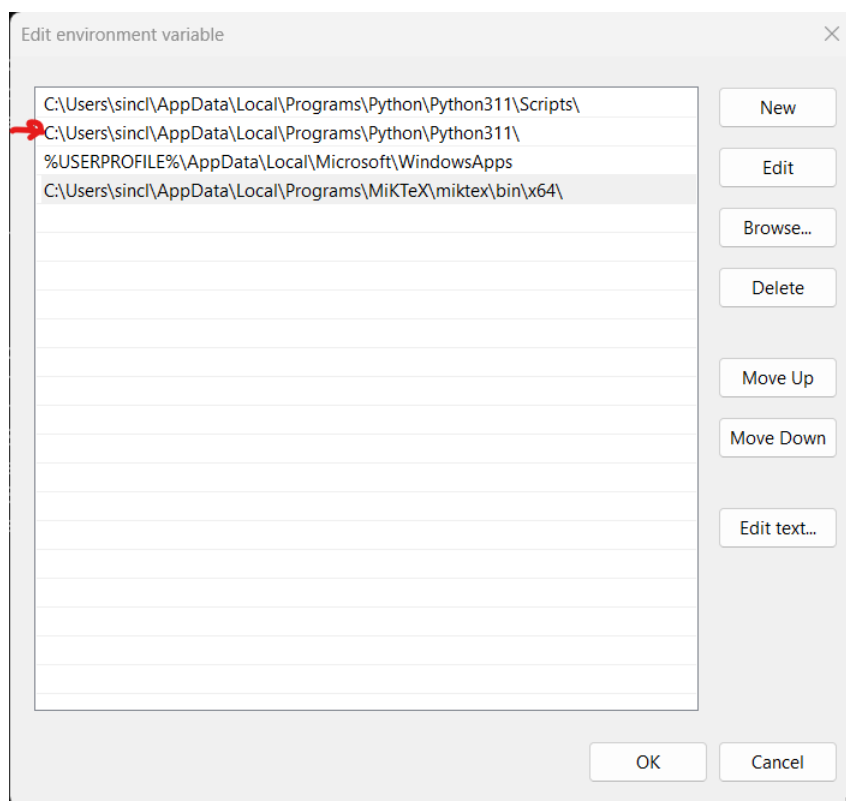


→ Select Edit under the user variables section



→ See if there is an environment variable with a path to the Python directory. If not, add a new environment variable with that path. Likely, it will be something similar to

`C:\Users\sincl\AppData\Local\Programs\Python\Python311\`

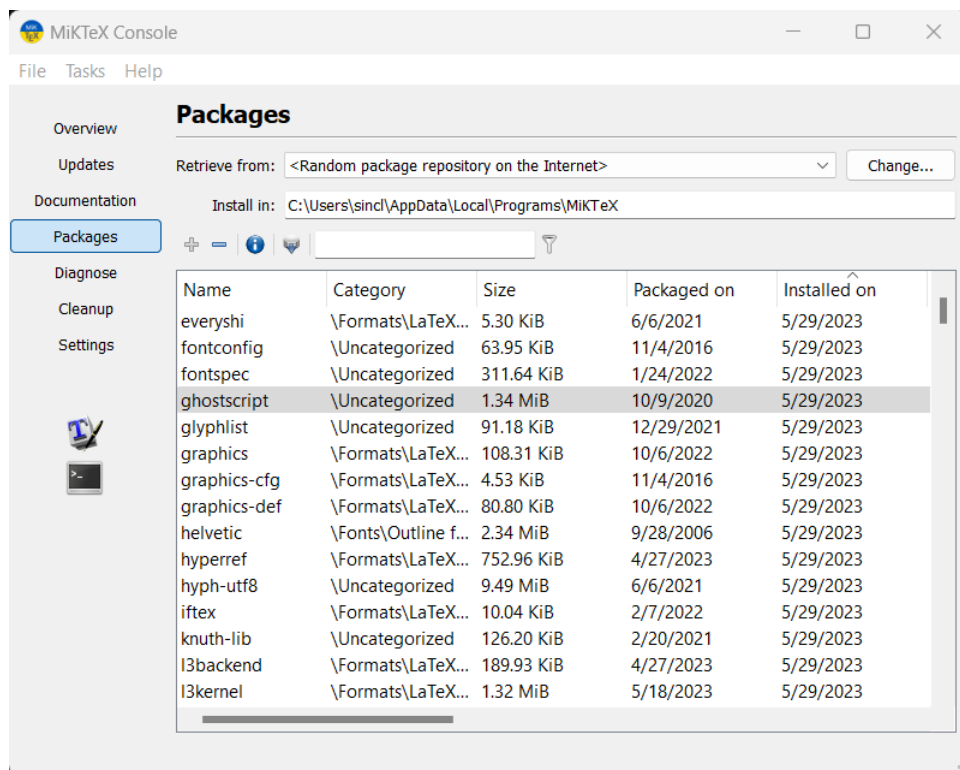


Instructions for macOS / Linux

- To list the current list of Python directories: `echo $PYTHONPATH`
- Setting environment variables depends on what your default shell is. Common shells include `bash` and `csh`. To check default shell: `echo $SHELL`
- To create a new environment variable:
`export PYTHONPATH=~/.Python` (`bash/ksh` shell)
`setenv PYTHONPATH ~/.Python` (`csh/tcsh` shell)
- To prepend to an existing environment variable:
`export PATH=~/.bin:${PATH}` (`bash/ksh` shell)
`setenv PATH=~/.bin:${PATH}` (`csh/tcsh` shell)

3. Check if `ghostscript` and `dvipng` (required TeX packages) are installed

- This can be done through the MiKTeX console



✎ Other useful information:

- Make sure you're using math mode (indicated by `$$` environment) when appropriate
- All text requires valid LaTeX syntax or an error will be thrown