

Python 调用MATLAB 方法示例

可以使用mne包代替matlab

打开 Matlab 下载路径，打开子文件 extern，打开子文件 engines，打开子文件 python，点开 setup.py，下拉到最后。这里原来是 "R2022a"，请改为 "2022.1"（以免报错）。如果是 其他版本请问 ChatGPT。

```
78 if __name__ == '__main__':
79
80     setup(
81         name="matlabengineforpython",
82         version="2022.1",
83         description='A module to call MATLAB from Python',
84         author='MathWorks',
85         url='https://www.mathworks.com/',
86         platforms=['Linux', 'Windows', 'MacOS'],
87         package_dir={'': 'dist'},
88         packages=['matlab', 'matlab.engine'],
89         cmdclass={'build_py': BuildEngine}
90     )
91
```

回到 2.2 的 Anaconda Prompt 窗口，输入【请换成自己的环境】：

```
1 conda activate eeg-gui
```

cd 到 setup.py 所在文件夹：

```
1 cd path/to/setup
```

成功的话会是

```
(base) C:\Users\DELL>conda activate eeg-gui
(eeg-gui) C:\Users\DELL>cd D:\matlab2022a\extern\engines\python
(eeg-gui) C:\Users\DELL>cd..
(eeg-gui) C:\Users>cd..
(eeg-gui) C:\>cd..
(eeg-gui) C:\>D:
(eeg-gui) D:\matlab2022a\extern\engines\python>
```

输入：

1 python setup.py install

如果出现一下的 ERROR 也不要害怕：

```
(eeg-gui) D:\matlab2022a\extern\engines\python>python setup.py install
C:\Users\DELL\anaconda3\envs\ee-gui\lib\site-packages\setuptools\cmd.py:90: SetuptoolsDeprecationWarning: setup.py install is deprecated.
!!

*****
Please avoid running ``setup.py`` directly.
Instead, use pypa/build, pypa/installer or other
standards-based tools.

By 2025-Oct-31, you need to update your project and remove deprecated calls
or your builds will no longer be supported.

See https://blog.ganssle.io/articles/2021/10/setup-py-deprecated.html for details.
*****

!!

self.initialize_options()
C:\Users\DELL\anaconda3\envs\ee-gui\lib\site-packages\setuptools\command\sdist.py:122: SetuptoolsDeprecationWarning: 'build_py' command does not inherit from
'y'.
!!

*****
Custom 'build_py' does not implement 'get_data_files_without_manifest'.
Please extend command classes from setuptools instead of distutils.

See https://peps.python.org/pep-0632/ for details.
*****

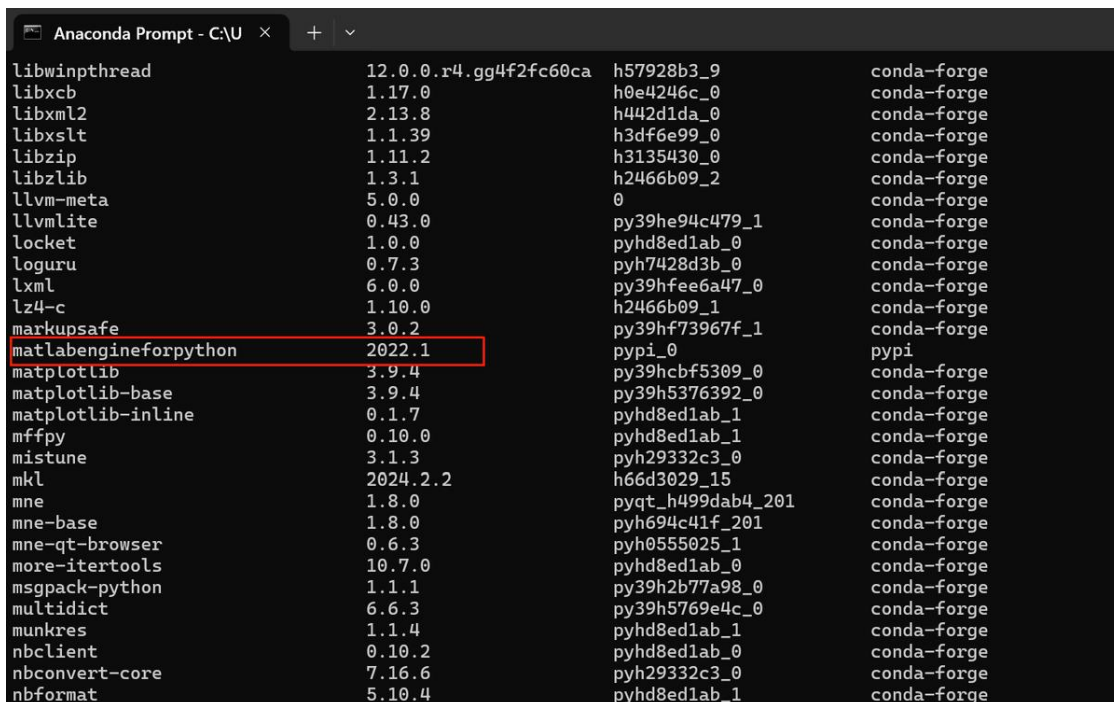
!!

self.add_data_files(self._safe_data_files(build_py))
ERROR: setuptools.scm._file_finders.git listing git files failed - pretending there aren't any
```

检查是否该环境下 matlab 引擎是否安装成功方式如下： 输入：

1 conda list

看到这个就算成功



libwinpthread	12.0.0.r4.gg4f2fc60ca	h57928b3_9	conda-forge
libxcb	1.17.0	h0e4246c_0	conda-forge
libxml2	2.13.8	h442d1da_0	conda-forge
libxslt	1.1.39	h3df6e99_0	conda-forge
libzip	1.11.2	h3135430_0	conda-forge
libzlib	1.3.1	h2466b09_2	conda-forge
llvm-meta	5.0.0	0	conda-forge
llvmlite	0.43.0	py39he94c479_1	conda-forge
locket	1.0.0	pyhd8ed1ab_0	conda-forge
loguru	0.7.3	pyh7428d3b_0	conda-forge
lxml	6.0.0	py39hfee6a47_0	conda-forge
lz4-c	1.10.0	h2466b09_1	conda-forge
markupsafe	3.0.2	py39hf73967f_1	conda-forge
matlabengineforpython	2022.1	py39hcbf5309_0	conda-forge
matplotlib	3.9.4	py39h5376392_0	conda-forge
matplotlib-base	3.9.4	pyhd8ed1ab_1	conda-forge
matplotlib-inline	0.1.7	pyhd8ed1ab_1	conda-forge
mffpy	0.10.0	pyh29332c3_0	conda-forge
mistune	3.1.3	h66d3029_15	conda-forge
mkl	2024.2.2	pyqt_h499dab4_201	conda-forge
mne	1.8.0	pyh694c41f_201	conda-forge
mne-base	1.8.0	pyh0555025_1	conda-forge
mne-qt-browser	0.6.3	pyhd8ed1ab_0	conda-forge
more-itertools	10.7.0	py39h2b77a98_0	conda-forge
msgpack-python	1.1.1	py39h5769e4c_0	conda-forge
multidict	6.6.3	pyhd8ed1ab_1	conda-forge
munkres	1.1.4	pyhd8ed1ab_0	conda-forge
nbclient	0.10.2	pyh29332c3_0	conda-forge
nbconvert-core	7.16.6	pyhd8ed1ab_1	conda-forge
nbformat	5.10.4		

3. 打开你的编译软件（vscode/pycharm）把编译环境换成刚刚编译的 eeg-gui 即可

