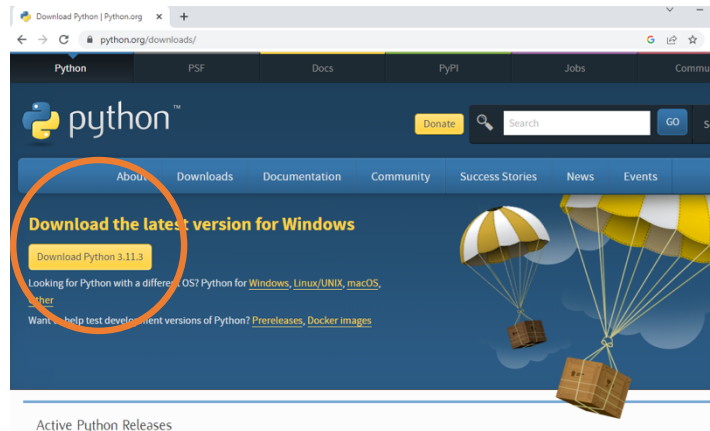


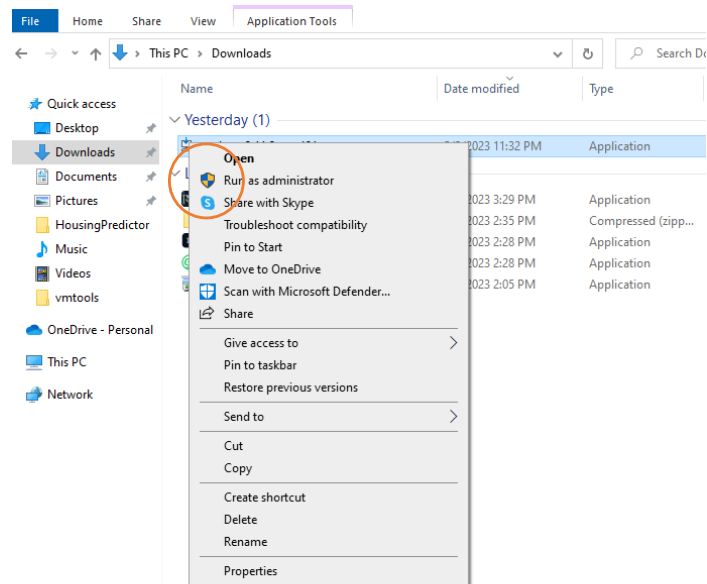
User Guide

Below is the user guide for the product (Note all commands are after the colon and do NOT include "run:" pictures will be included as references):

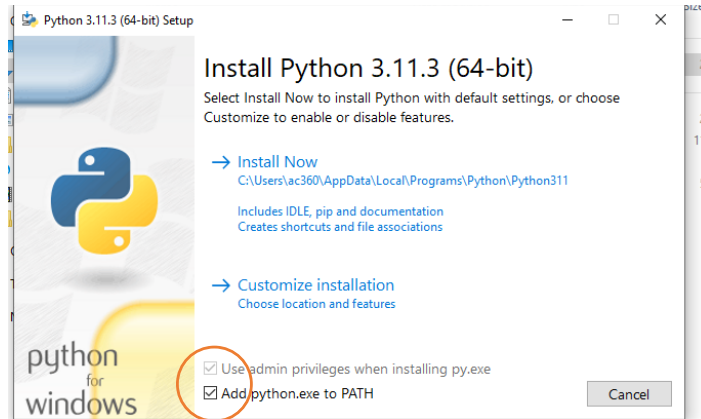
1. Install Python 3.11 by going to the python.org website and downloading then running the .exe file



- a. Make sure to run the .exe as administrator or it will not install to pathways correctly

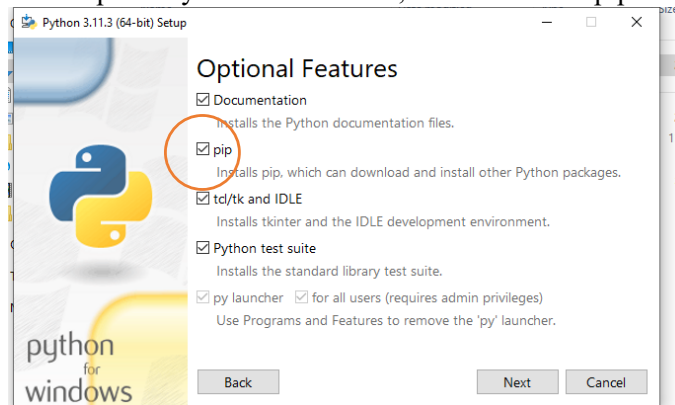


- b.
- c. Click install to path at the bottom and click custom install prior to moving to the next page

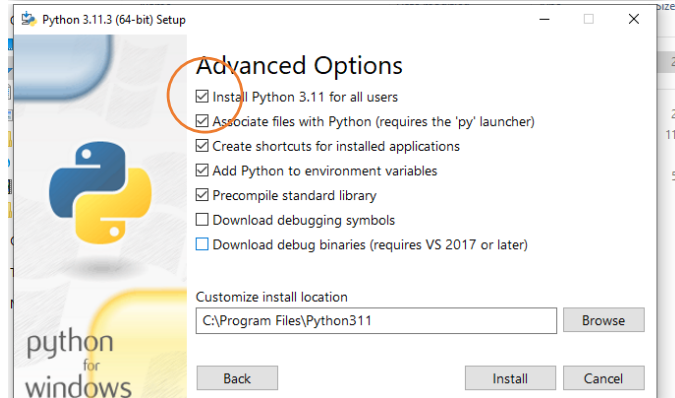


d.

- e. Then click install for all users on the next page to make sure Python is installed to the correct pathway within Windows, also make sure pip is selected

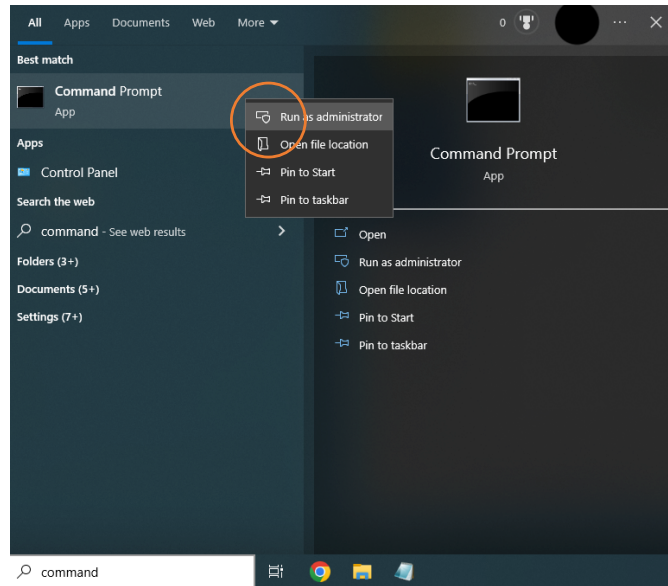


f.



g.

2. After installation go to the command line in Windows via run as administrator



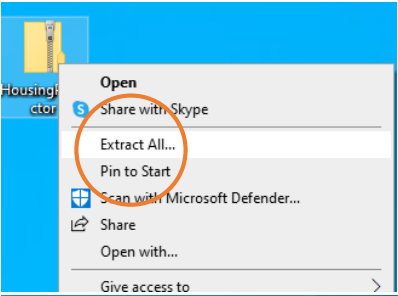
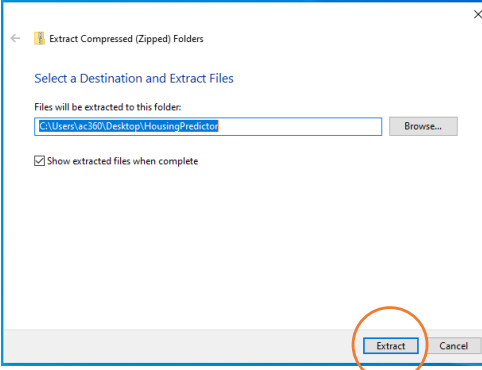

- a.
- b. Run: ***python --version***
- c. This verifies your version of Python and shows that it was installed properly as well as the version number if you want to check
- d. **NOTE:** This is applied to pip check version as well do not copy the command above as Microsoft Word is weird with the format so type it out: python --version (Has to be two separate dashes -- as Word will combine the two for some reason)
3. Pip is installed as part of the package but feel free to verify with the command: ***pip --version***
 - a. Example of correct command


```
C:\Windows\system32>python --version
Python 3.11.3

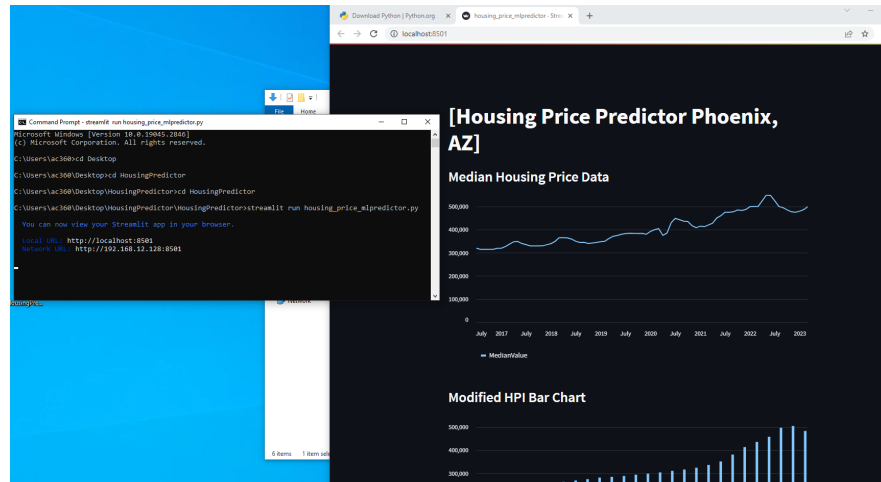
C:\Windows\system32>pip --version
pip 22.3.1 from C:\Program Files\Python311\Lib\site-packages\pip (python 3.11)

C:\Windows\system32>
```
 - b.
4. Next, install the required Python packages for the web app to run via pip
 - a. Run the command within your admin command prompt: ***pip install pandas scikit-learn matplotlib streamlit***
 - b. Make sure to run that command in the admin version of the command prompt for proper pathway installment like so:


```
C:\Windows\system32>pip install pandas scikit-learn matplotlib streamlit_
```
 - c.
5. Now close the command prompt and restart your device
6. Next download the source code provided in the .zip file, right-click on zip file, unzip via “extract all” and place it on your desktop
 - a. Example of Unzip via extract all

- b. 
- c. 
- d. End Result from extracting
- e. 

7. Open the command line again normally **NOT** as an administrator and make sure your command prompt is communicating with the proper folder. You can note the difference as administrator shows as C:\Windows\system32> vs what we want C:\Users\yourpcusername>
- Run: cd Desktop
 - (((This will tell the terminal to look for this file placed on desktop)))
 - Do it again run: cd HousingPredictor
 - (((Now you will be searching within the app files)))
 - Do it one more time run: cd HousingPredictor
 - (((This is due to the way Windows unzips files and creates another folder, makes no sense but it is what it is.)))
 - Example of executing the cd command properly:



- e.
8. The final command is to run streamlit to activate the script and open the interface in your web application
 - a. Run: ***streamlit run housing_price_mlpredictor.py***
 9. Now check your browser and a local session has been created and allows you to interact with the interface similarly to above!
 10. Press control and c at the same time to end the session in the command prompt or just exit out of the command prompt.