How to Install Anaconda

<u>What is Anaconda?</u>

It is a distribution of both Python and R to make programming languages for scientific computing more accessible.

<u>Steps to Install (Windows)</u>

1. Go to the [Anaconda website](#) and click download. Note, If you are using MacOS or Linux you may need to click on the corresponding symbols circled red in the figure below and then click on the correct download link (typically called 64-Bit Graphical Installer).

2. Once finished downloading open the setup file and click next on the first screen that pops up.
3. Next, agree to the license agreement and on the next window click the "Just Me" option.
4. Next, decide on an installation location and click next.
5. The next window that pops up is an important part of the installation process. It is recommended to only check the boxes shown in the figure below and click install. If the other box is chosen, you will have to use Anaconda Navigator or the Anaconda Command Prompt when you wish to use Anaconda and will not be able to have other tools use it.
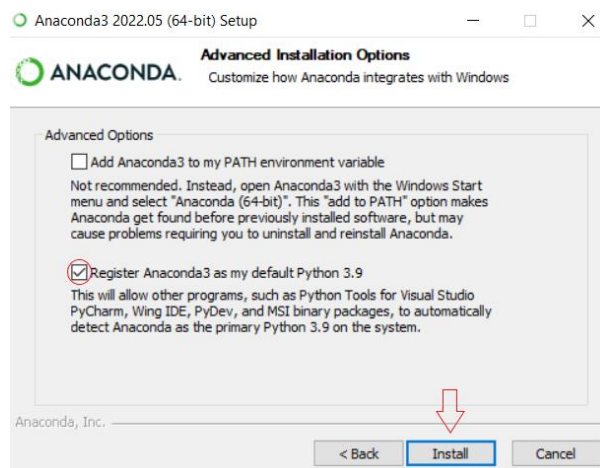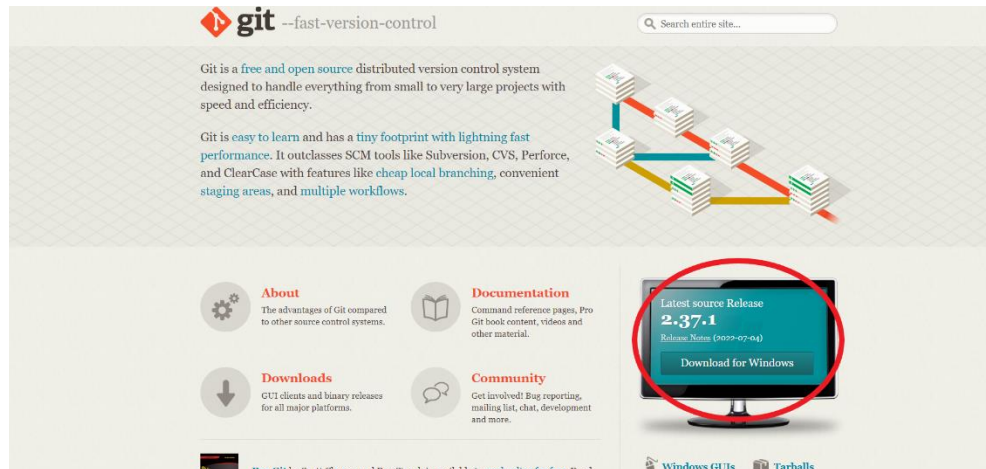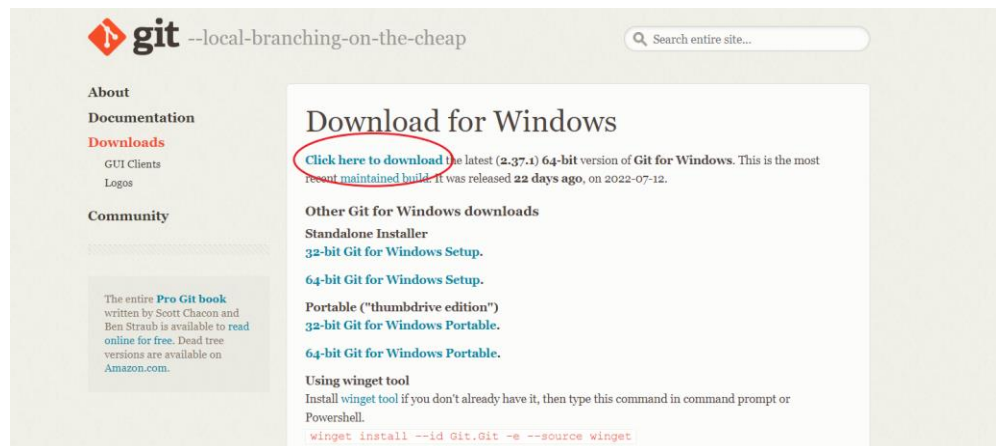

6. Finish installation.

How to Install Git on Windows

Note: If you are using a Max or Linux device, git most likely will be already installed on your machine.

1. Go to the Git website.
2. Click the download link to download Git, it should automatically start.

3. Click on the link shown below to download.

4. Once downloaded, start the setup. In the **Select Components** window, leave all default options (already checked off) and check any other additional components you want.
5. Next, in the **Choosing the SSH executable** window select the "Use bundled OpenSSH" option.
6. In the next window, you may choose the experimental options if wanted, but it is not recommended.
7. Finally, install.
8. Now you should be able to run git commands on the windows command line or windows PowerShell.

How to Clone and Install Latest Version of VARS Python Package Using Anaconda Command Prompt

1. Find Anaconda Command Prompt using windows search or equivalent in your devices operating system
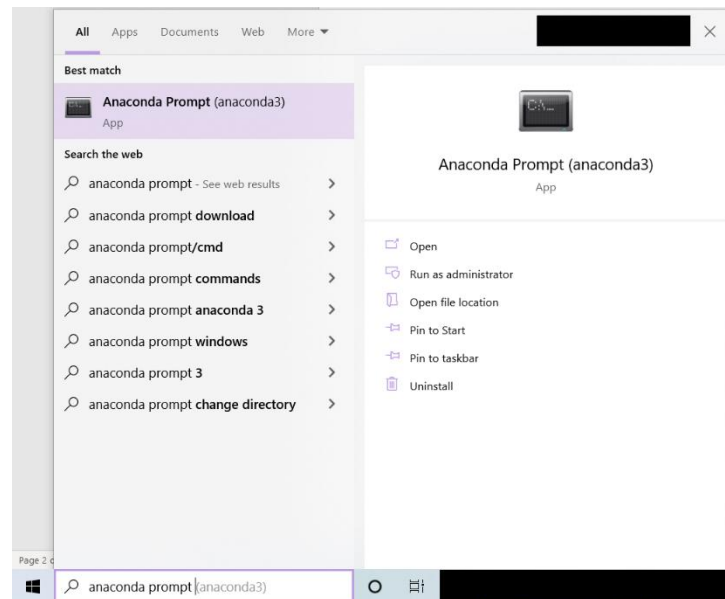
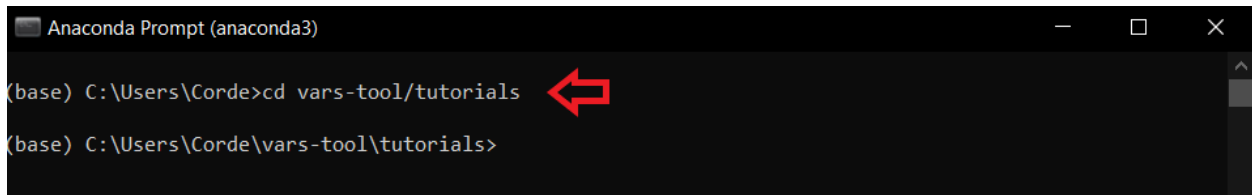2. Type "git clone https://github.com/vars-tool/vars-tool.git" into the command prompt, this clones the GitHub repository onto your local device.

3. Now to install the package enter the directory using "cd vars-tool" and install it by typing "pip install ." as shown below:

How to Start Jupyter Notebook Application Using Anaconda Command Prompt and Run VARS Tutorials

1. Find Anaconda Command Prompt using windows search or equivalent in your devices operating system
2. Assuming you have cloned the repository as described previously to install VARS, go into the tutorials directory of the downloaded varstool directory (this can be done using "cd" command)
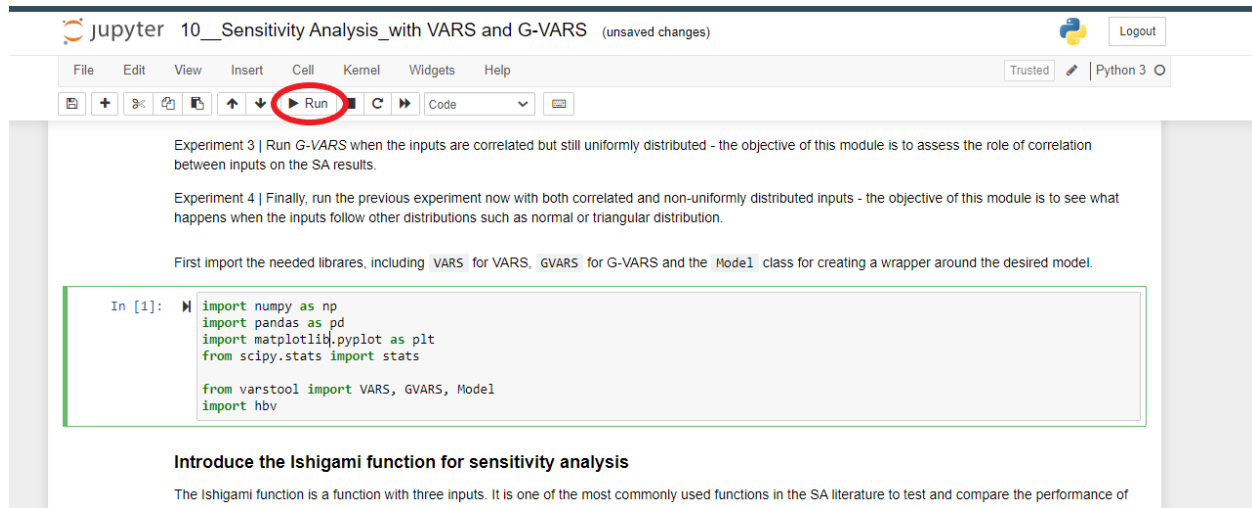

3. Now type and enter "jupyter notebook" to open the notebook application on the "tutorials" directory. A webpage similar to the one below should open; click on any tutorial you desire to run [here tutorial 1 was chosen].
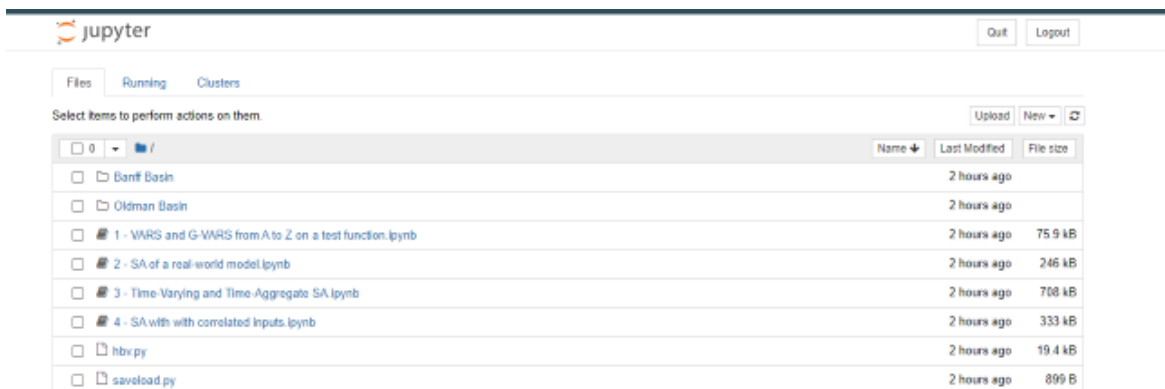
4. To run the whole notebook, click the fast-forward button located on the second row of the top bar. If a confirmation window pops up, just confirm it, and let the notebook run.
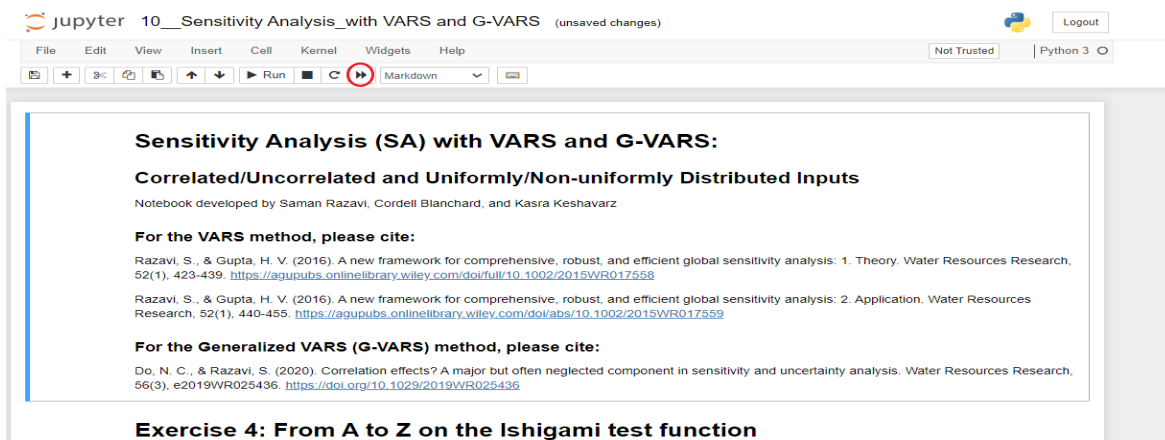
5. If you want to run a specific code block, you can click on the cell, and it will be highlighted as shown below and press shift + enter or the "run" button at the top.

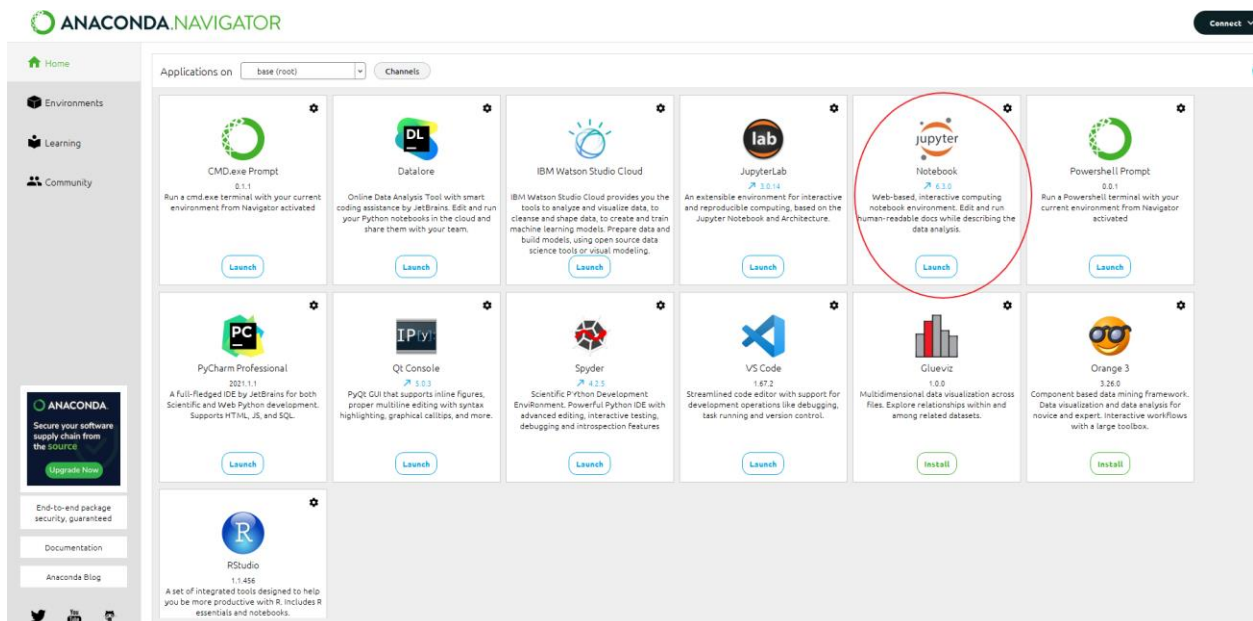6. The tutorials can be changed as you play around with them.

How to Start Jupyter Notebook Application Using Anaconda Navigator

1. Find Anaconda Navigator using windows search or equivalent in your devices operating system.
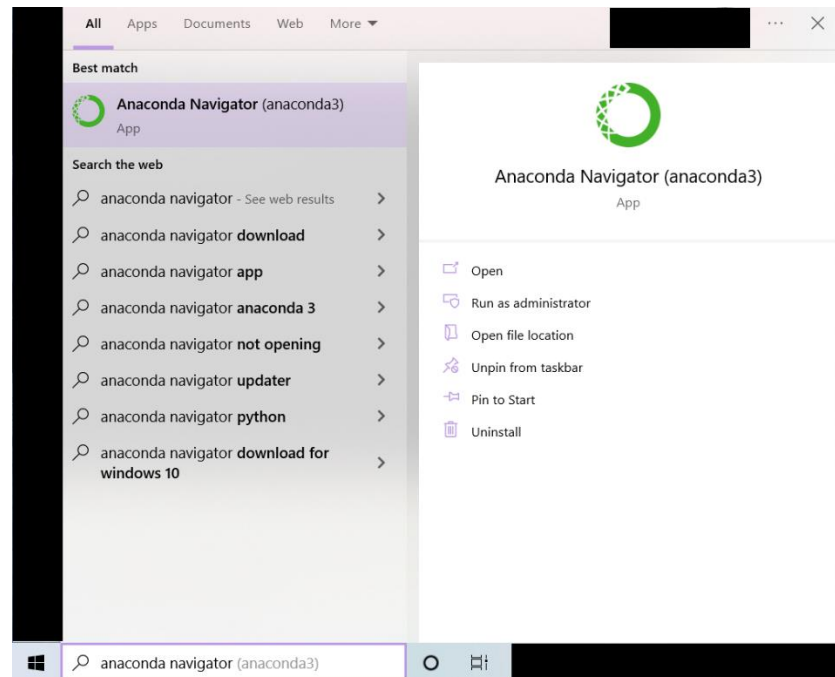
2. Once the main menu pops up you should see the "Notebook" application, click launch.

3. This will bring you to a webpage that shows you all the files from your computer, locate the notebook you would like open and click it.