

Anaconda & Spider Installation for windows

1. Click on the link below to open the download page

<https://www.anaconda.com/download/#windows>



Individual Edition

Your data science toolkit

With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

Download



Open Source



Conda Packages



Manage Environments

2. Click on the **Download** button and check for the compatibility of your system. Then, it will start downloading.

Anaconda Installers

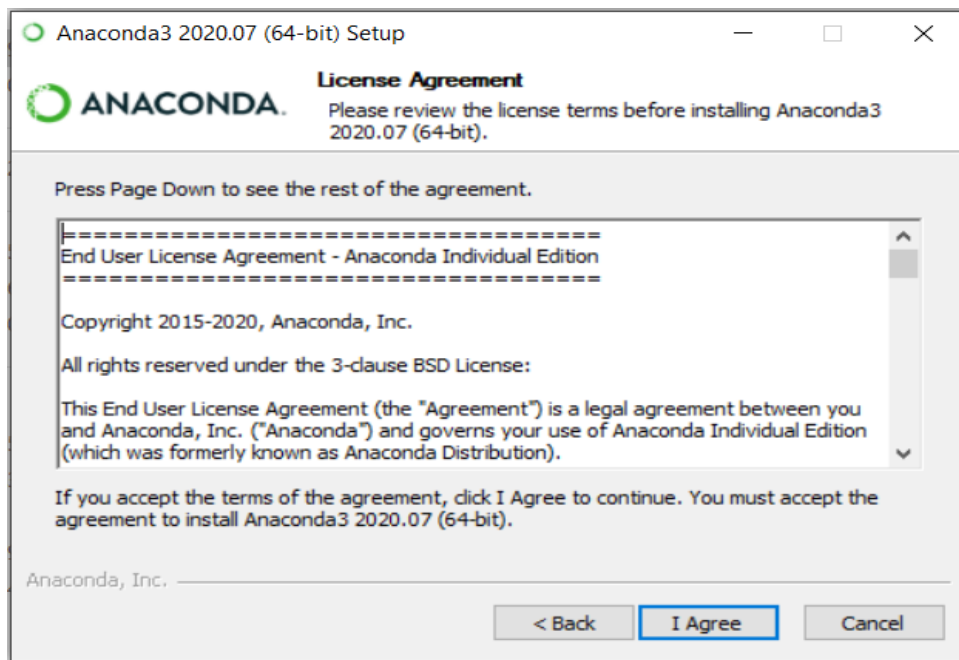
Windows 	MacOS 	Linux 
Python 3.8 64-Bit Graphical Installer (466 MB) 32-Bit Graphical Installer (397 MB)	Python 3.8 64-Bit Graphical Installer (462 MB) 64-Bit Command Line Installer (454 MB)	Python 3.8 64-Bit (x86) Installer (550 MB) 64-Bit (Power8 and Power9) Installer (290 MB)

3. **Double click** the installer to launch.

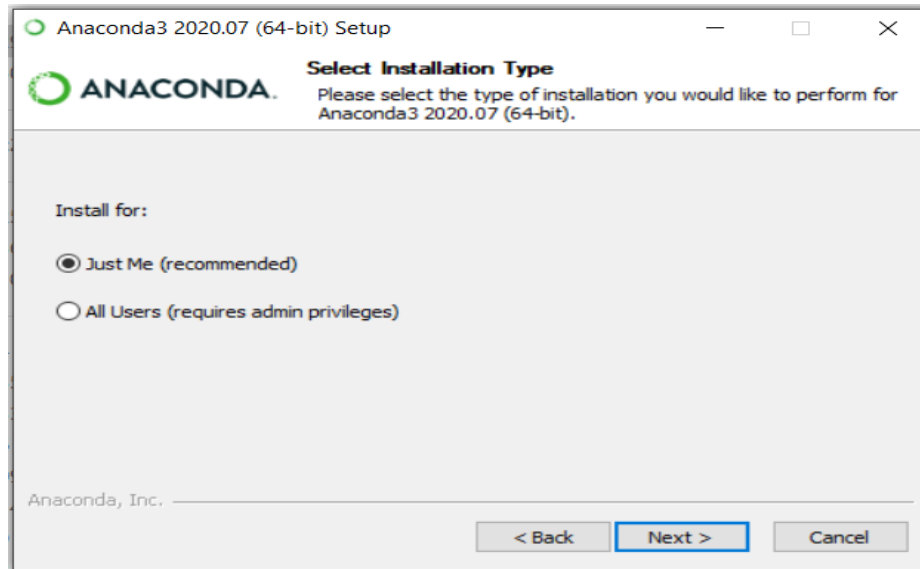
4. Click on **Next**.



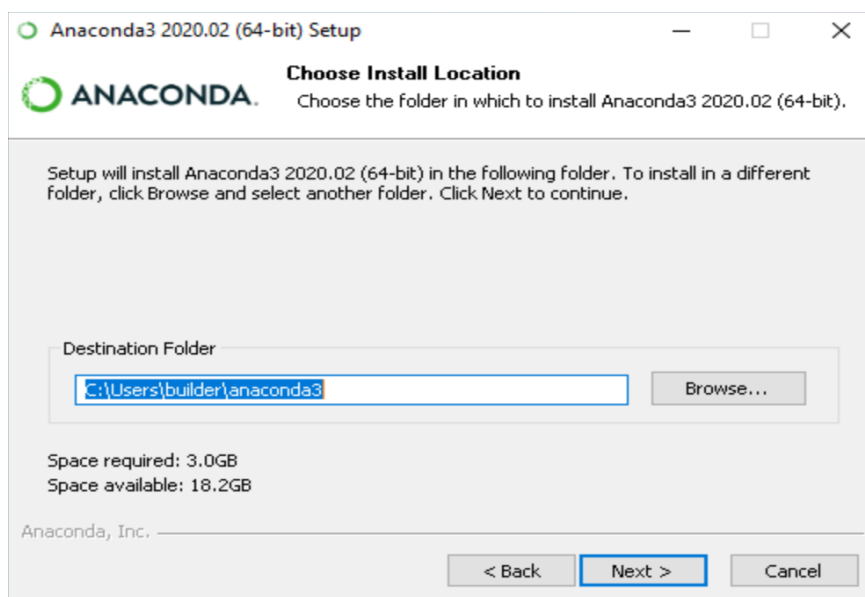
5. Read the license agreement and click on **"I Agree"**.



6. Select installation type “**Just Me**” unless you’re installing it for all users (which require Windows Administrator privileges) and click on **Next**.



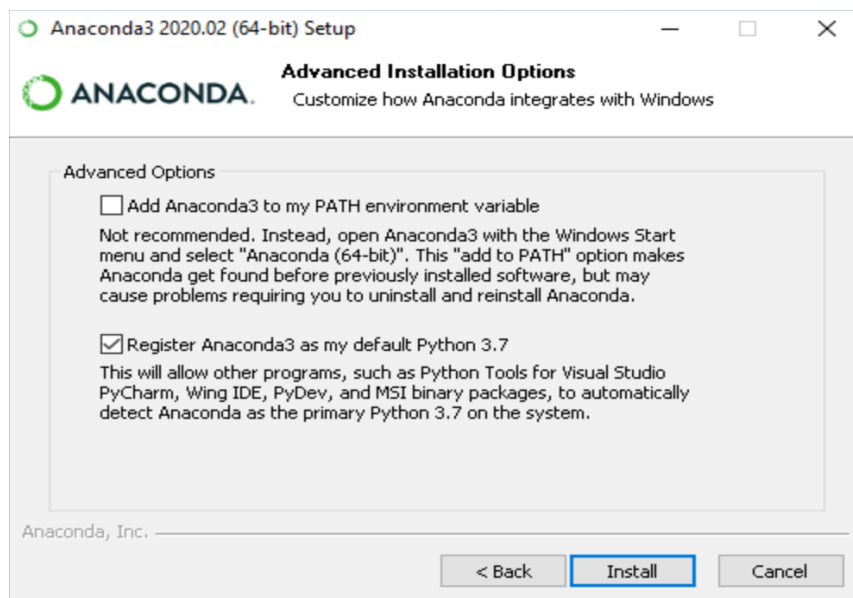
7. Select a destination folder to install Anaconda and click the **Next** button.



8. Choose whether to add Anaconda to your **PATH** environment variable. We recommend NOT adding Anaconda to the **PATH** environment variable, since this can interfere with other softwares. Instead, use Anaconda software by opening [Anaconda Navigator](#) or the [Anaconda Prompt](#) from the Start Menu

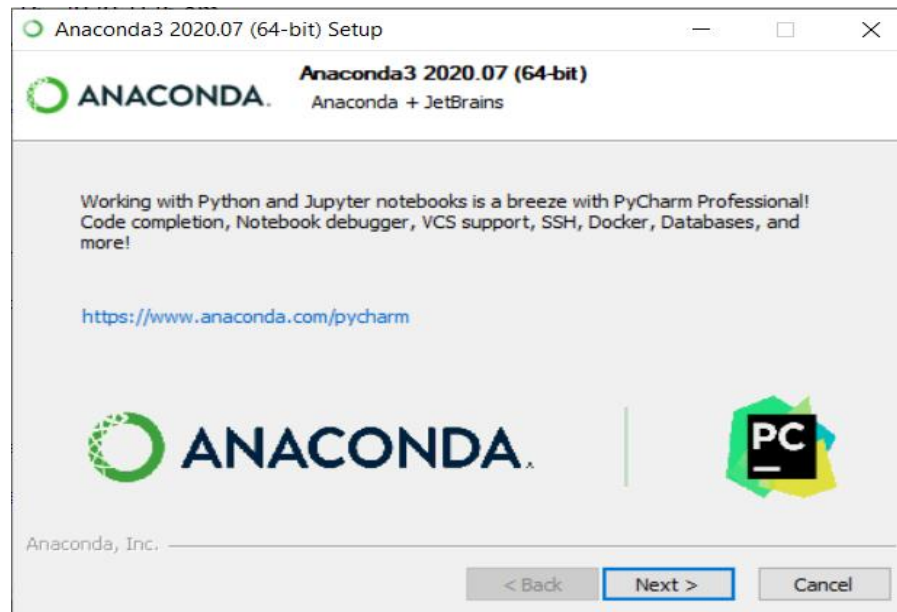
Choose whether to register Anaconda as your default Python. Unless you plan to install and run multiple versions of Anaconda or multiple versions of Python, accept the default version and leave this box checked.

9. Click the **Install** button.

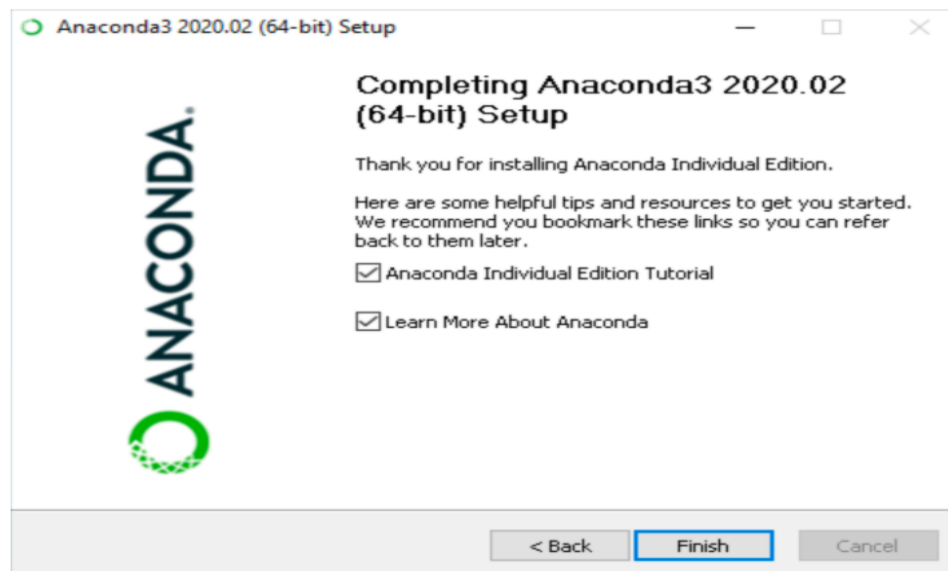


If you want to watch the packages Anaconda is installing, click on **Show Details**.

10. Click on the **Next** button.



11. And then click the **Finish** button.



12. After a successful installation you will see the **“Thanks for installing Anaconda”** dialog box.

Spyder:

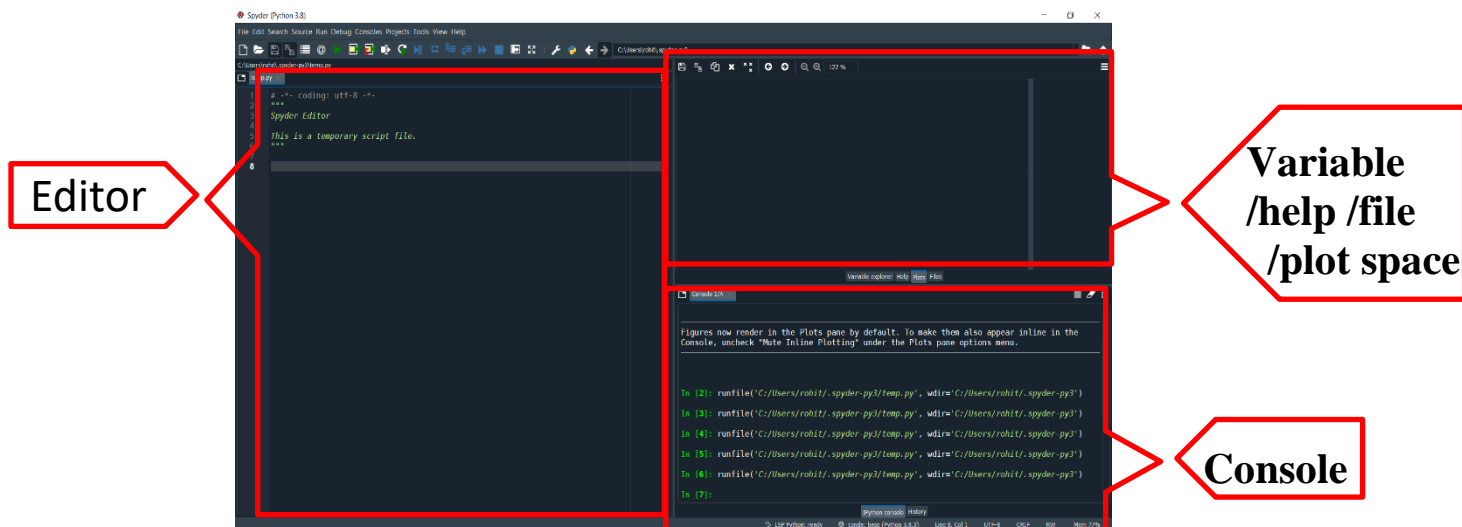
Spyder, the Scientific Python Development Environment, is a free integrated development environment (IDE) that is included with Anaconda.

It includes:

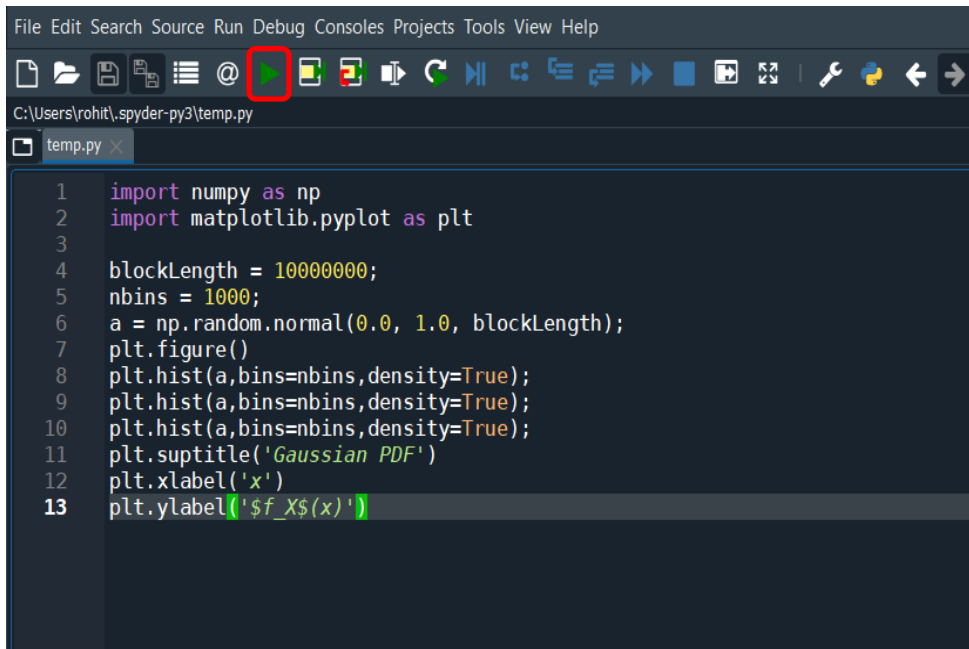
- Editing
- Interactive testing
- Debugging
- Introspection features

Steps for Spyder setup and run a test code:

1. In Window search box, type **Spyder** and press **Enter**.
2. Spyder IDE opened and you can see a total of 3 area:
 - a. Editor
 - b. Console
 - c. Variable/help/file/plot space

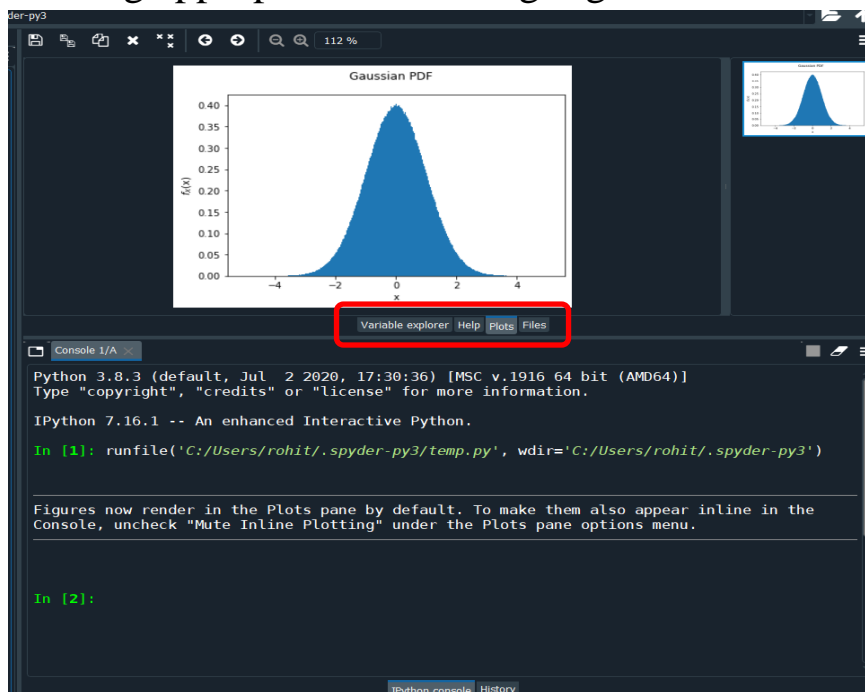


3. Let's **write a test code** in the Editor and run the code by clicking on **Run** button.



```
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\rohit\.spyder-py3\temp.py
temp.py x
1 import numpy as np
2 import matplotlib.pyplot as plt
3
4 blockLength = 10000000;
5 nbins = 1000;
6 a = np.random.normal(0.0, 1.0, blockLength);
7 plt.figure()
8 plt.hist(a,bins=nbins,density=True);
9 plt.hist(a,bins=nbins,density=True);
10 plt.hist(a,bins=nbins,density=True);
11 plt.suptitle('Gaussian PDF')
12 plt.xlabel('x')
13 plt.ylabel('$f_X(x)$')
```

4. You can see the **variable, plot, files** on right side of IDE by clicking appropriate tabs as highlighted with **Red color** below.



5. As a whole **Spyder** screen looks like as below.

