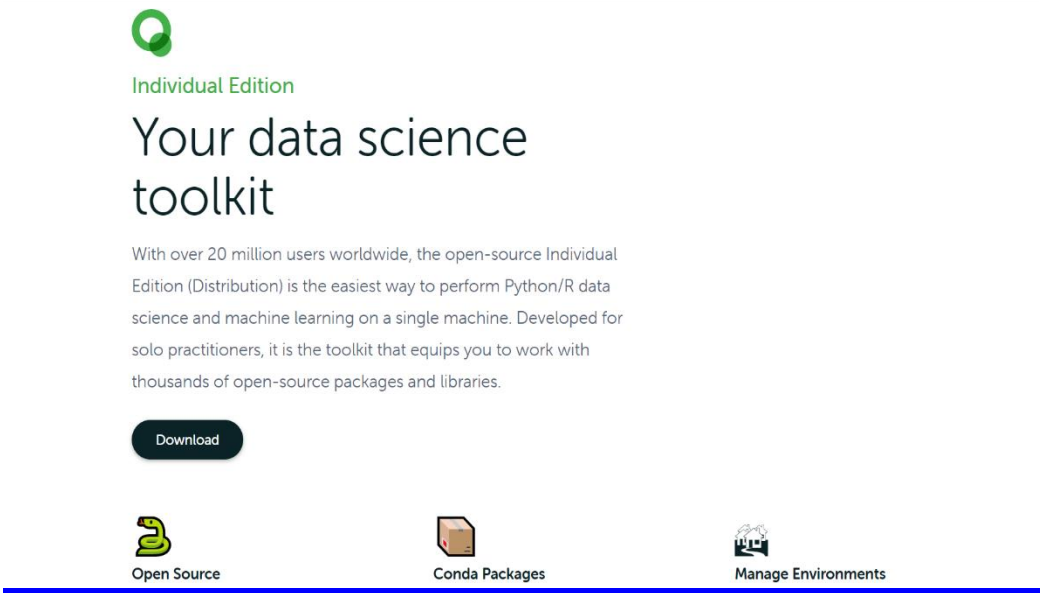
Anaconda & Spider Installation for windows:

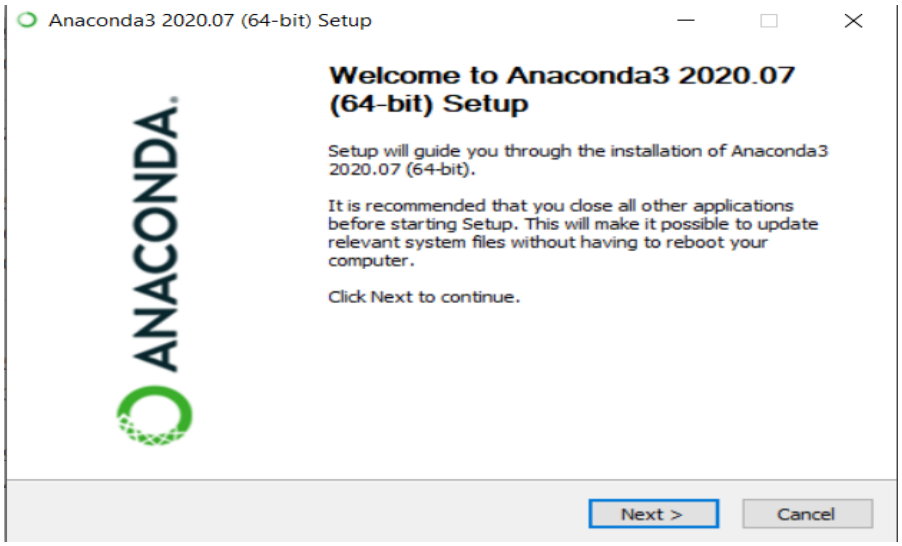
1. Please click on the link below

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

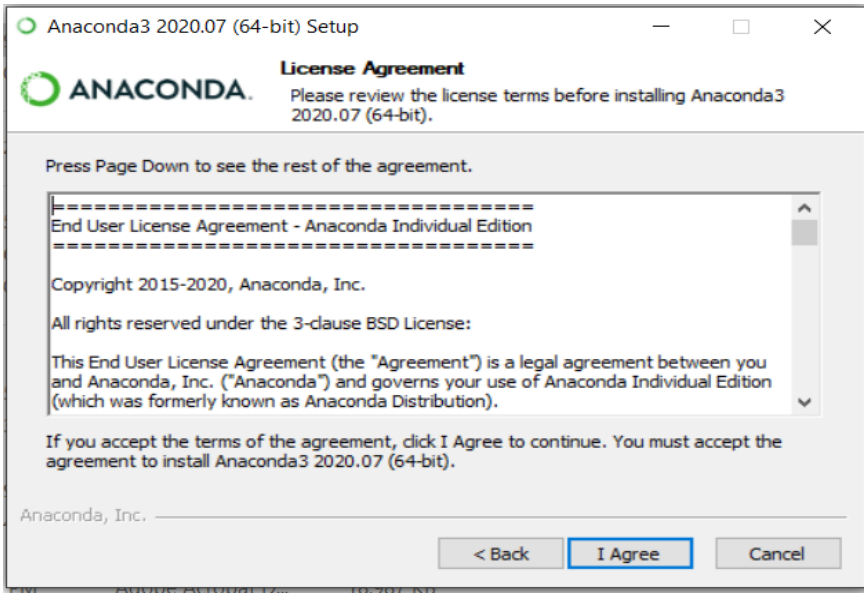


2. Click on **Download**, and then you have to check for compatibility of your Pc, after that it will start downloading**.**

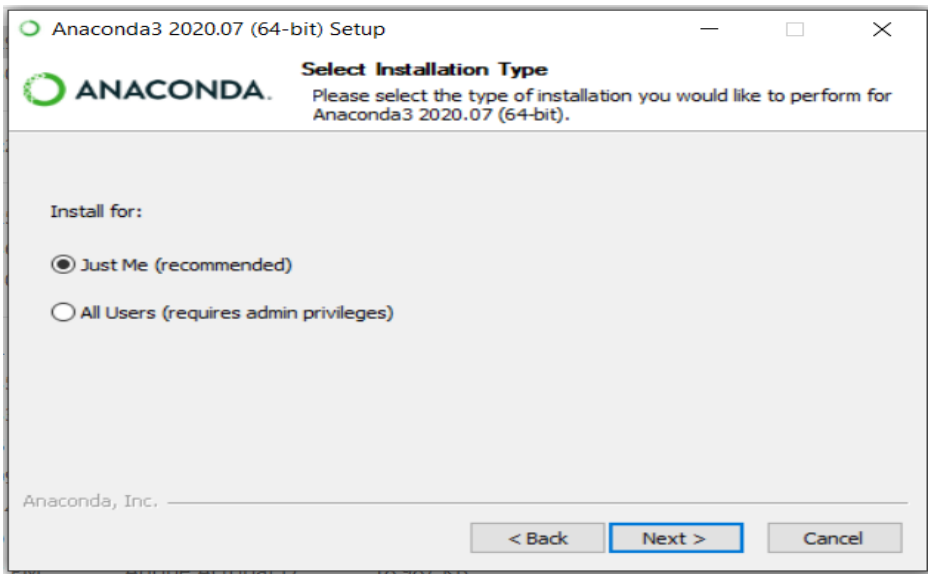
3. Double click the installer to launch.
4. Click Next.



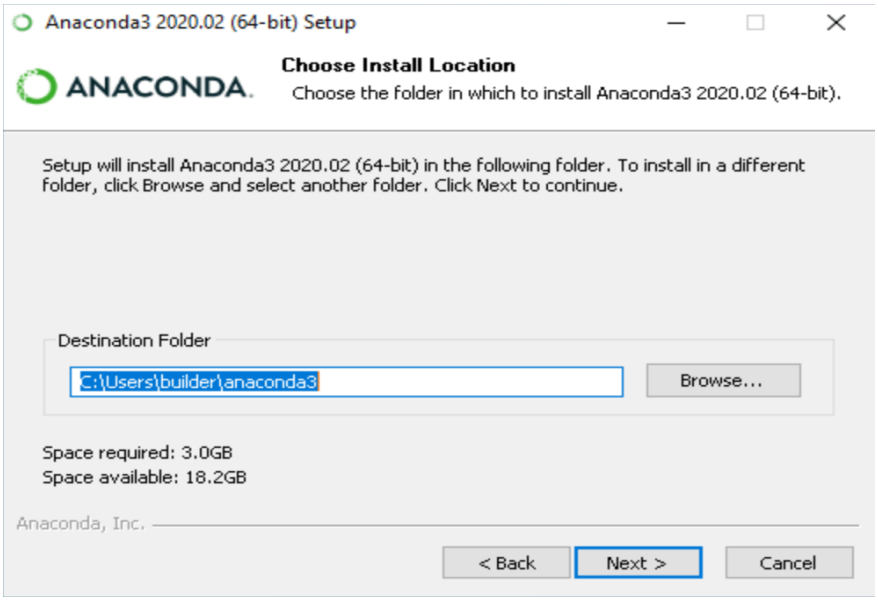
5. Read the licensing terms and click "I Agree".



6. Select an install for "Just Me" unless you're installing for all users (which require Windows Administrator privileges) and click Next.



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

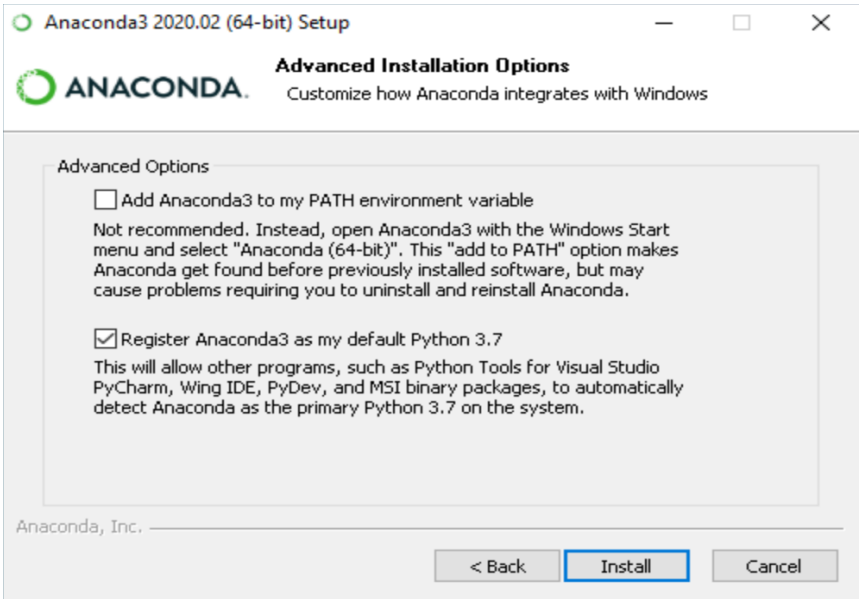


8. Choose whether to add Anaconda to your PATH environment variable. We recommend not adding Anaconda to the PATH environment variable, since this can interfere with other software.

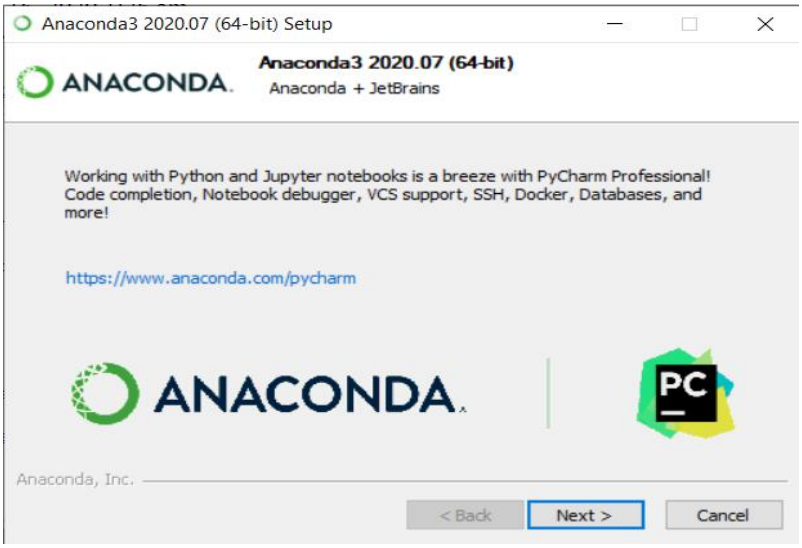
Instead, use Anaconda software by opening Anaconda Navigator or the Anaconda Prompt from the Start Menu

NOTE: Choose whether to register Anaconda as your default Python. Unless you plan on installing and running multiple versions of Anaconda or multiple versions of Python, accept the default and leave this box checked.

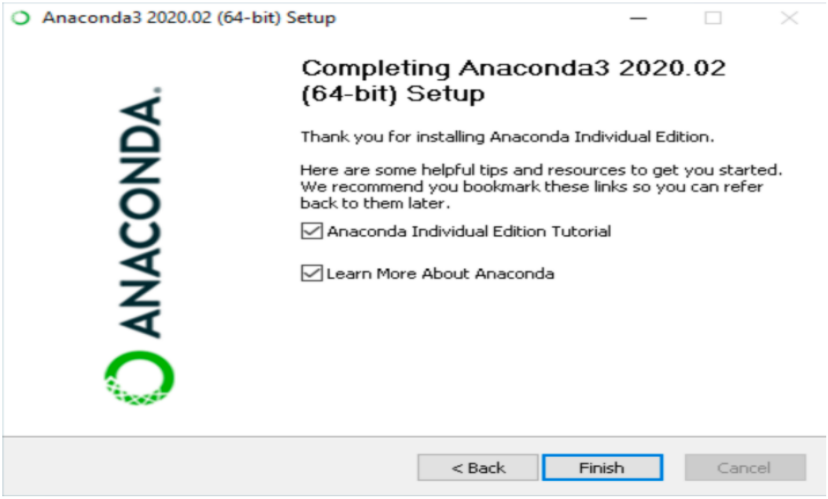
9. Click the Install button. If you want to watch the packages Anaconda is installing, click Show Details



10. Click 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:

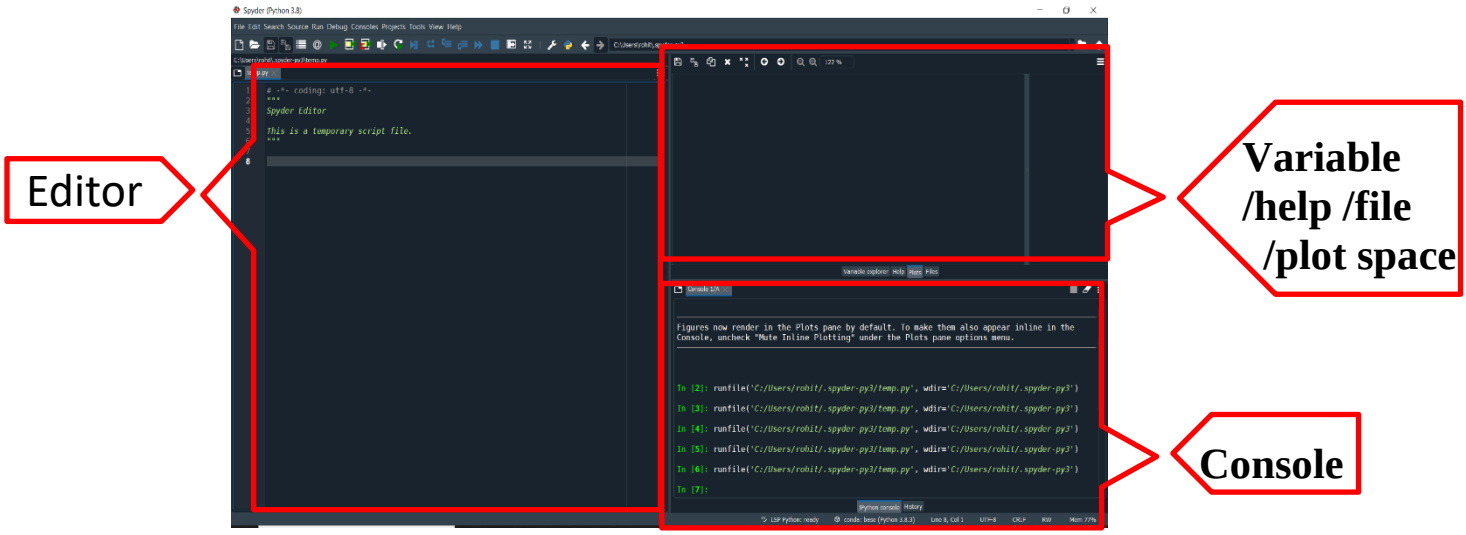
Spyder, the Scientific Python Development Environment, which is a free integrated development environment (IDE) that is included with Anaconda.

It includes:

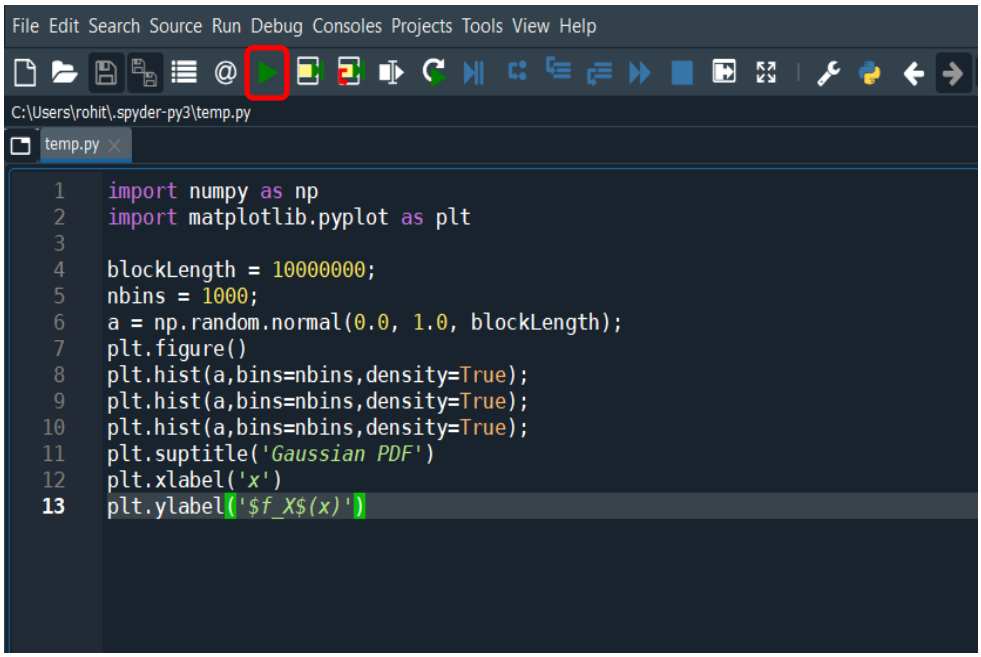
- Editing,
- Interactive testing,
- Debugging,
- Introspection features.

Steps for Spyder setup and run a test code:

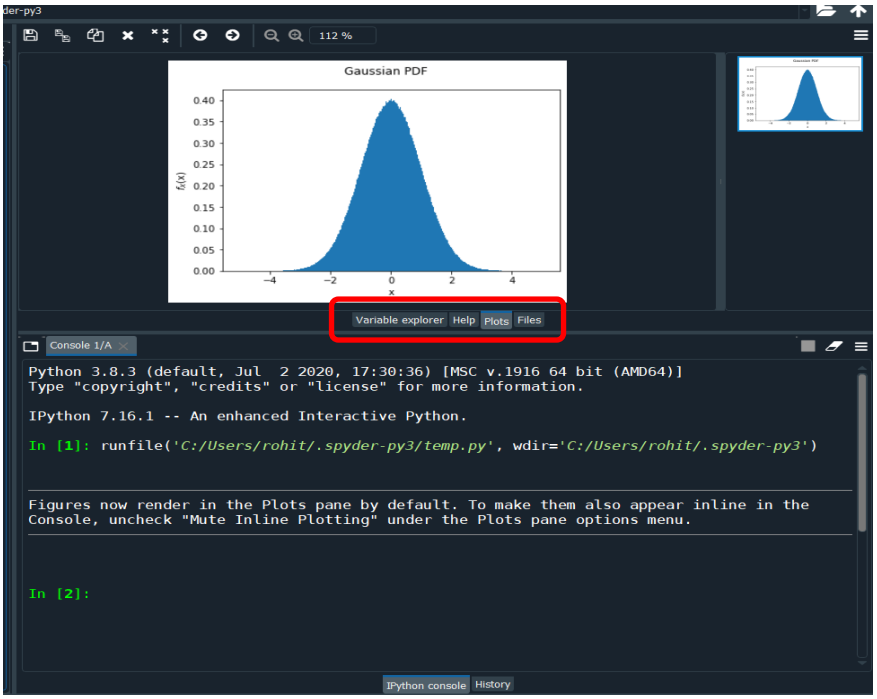
1. In Window search box, type Spyder and press Enter.
2. Spyder IDE opened and you can see a total of 3 area:
   a. Editor
   b. Console
   c. Variable/help/file/plot space.



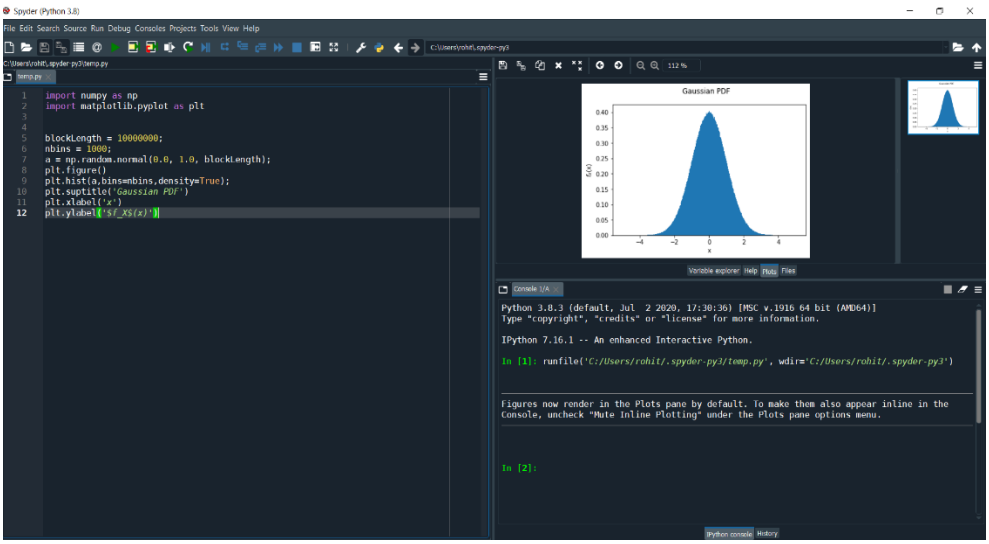
3. Let's write a test code in Editor and run the code by clicking on Run button:



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



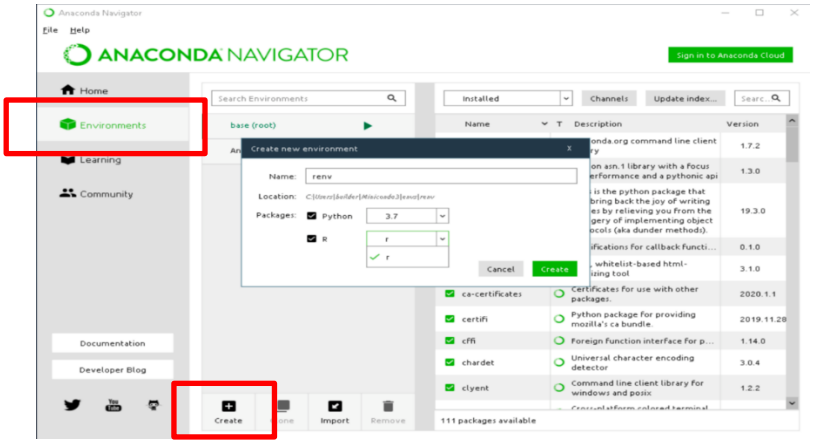
5. As a whole Spyder screen look like as below :



Steps for Creating an R environment and running RStudio

1. In Navigator, click the Environments tab, then click the Create button. The Create new environment dialog box appears.

2. In the Environment name field, type a descriptive name for your environment.

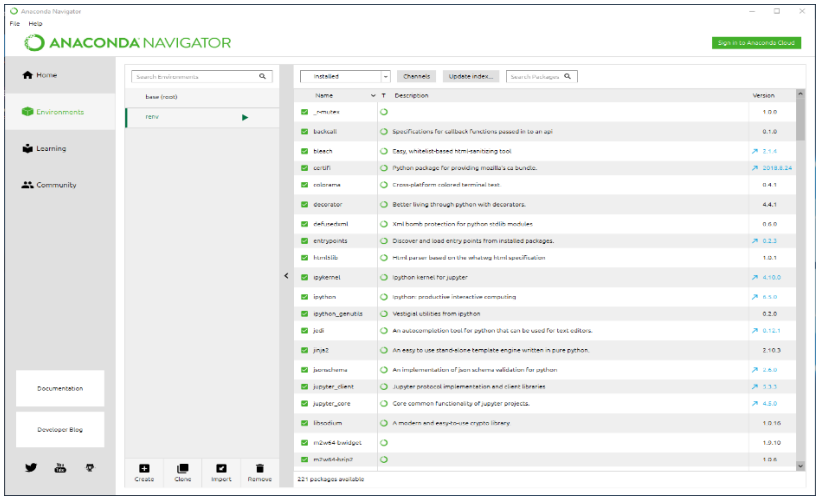


3. In the Packages list, select “R” and latest python version(both package must checked).

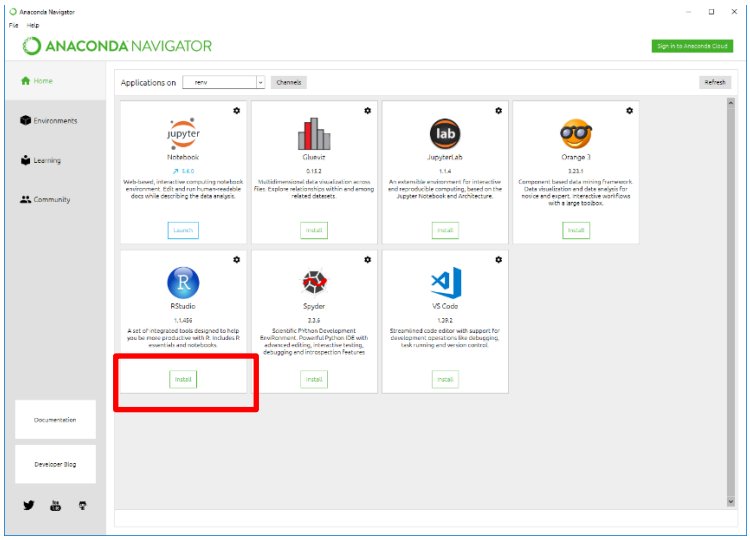
4. On the drop-down menu, select `r` to install R with the packages `r-base` and `r-essentials.`

5. Click the Create button.

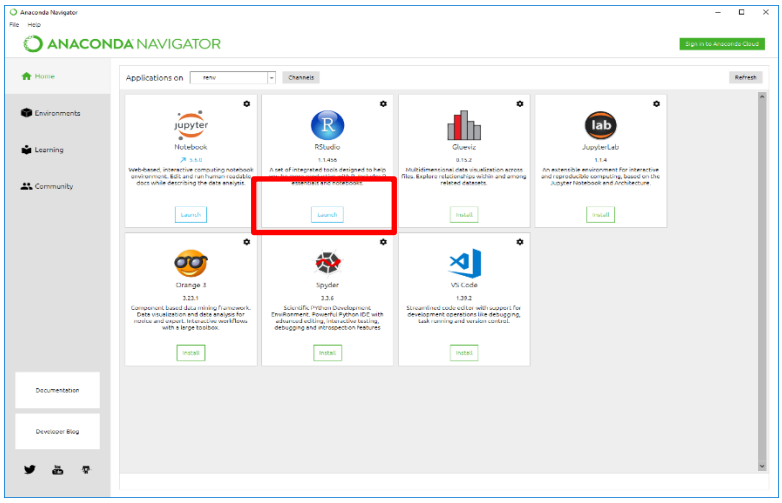
6. Navigator creates the new environment and activates it, as shown by the highlighted green bar. All actions take place in the active environment.



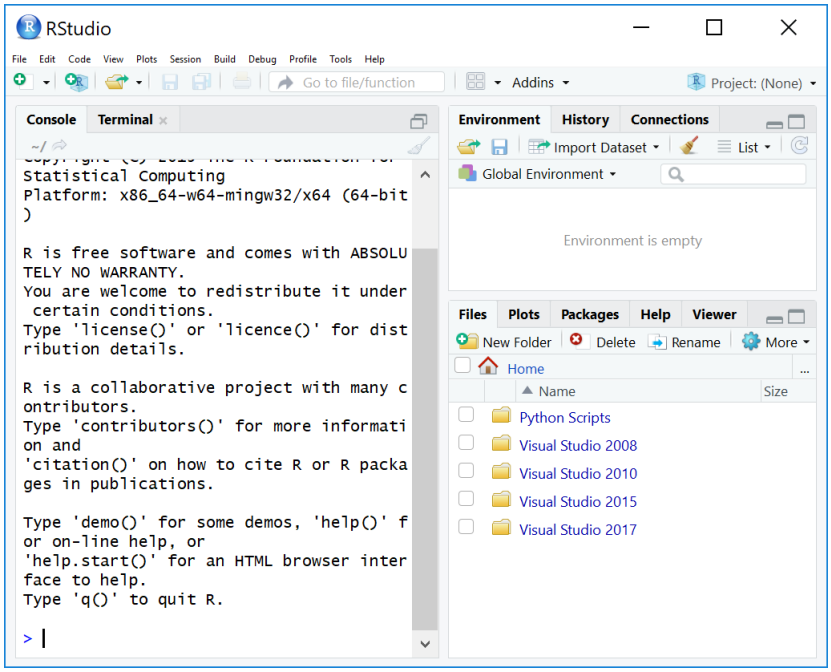
7. With the new environment active, click the Home button and then click the Install button on the RStudio application.



8. Click Launch to run RStudio from Navigator.



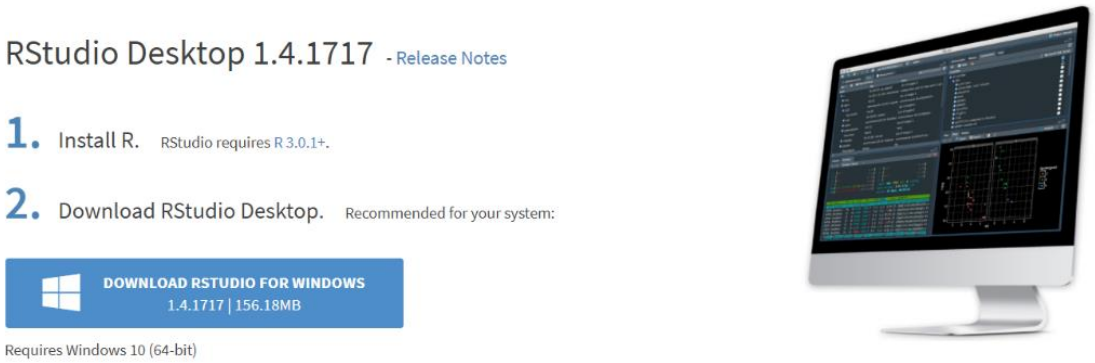
9. You will see RStudio running from Navigator.



Alternate procedure for downloading and installing RStudio:

1. Open the link https://www.rstudio.com/products/rstudio/download/

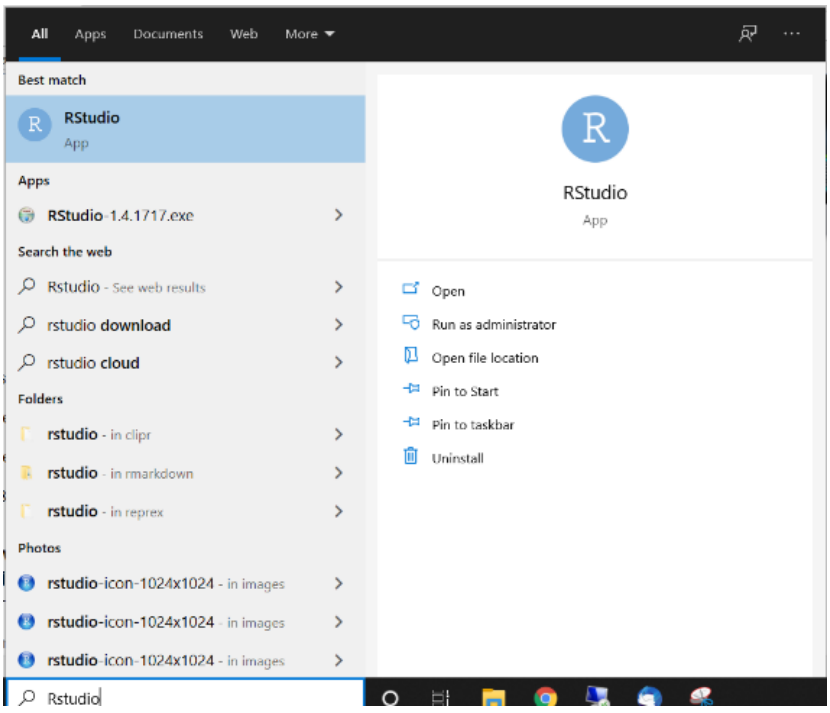
2. Scroll down and come to the section below



3. First install the base-R package by clicking on R 3.0.1+ and follow the procedure. (step-1 of the image)

4. After that install RSTUDIO by clicking on the "DOWNLOAD RSTUDIO FOR WINDOWS". (step-2 of the image)

5. After installation is complete, you can open RStudio from windows search



6. Run the test code given on the course website and verify your installation.