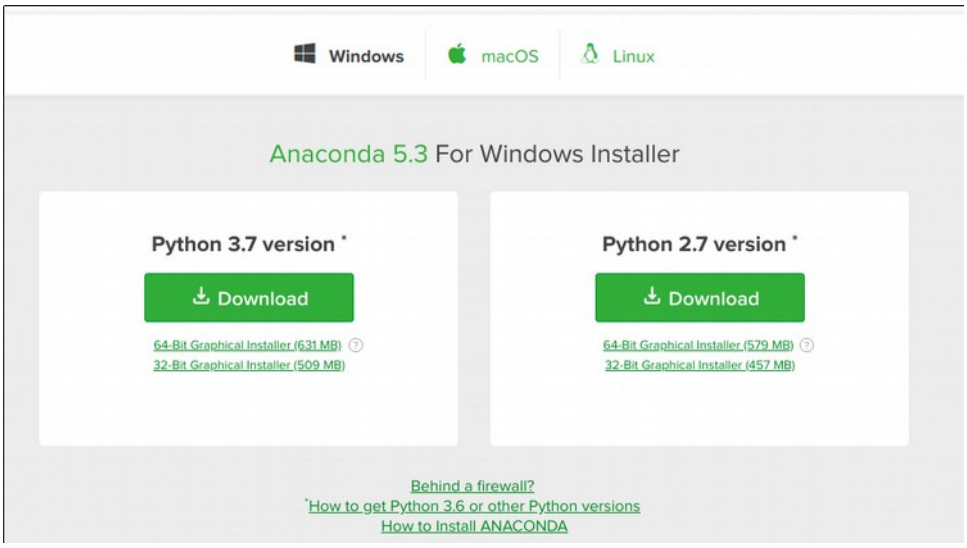
Getting started with Anaconda

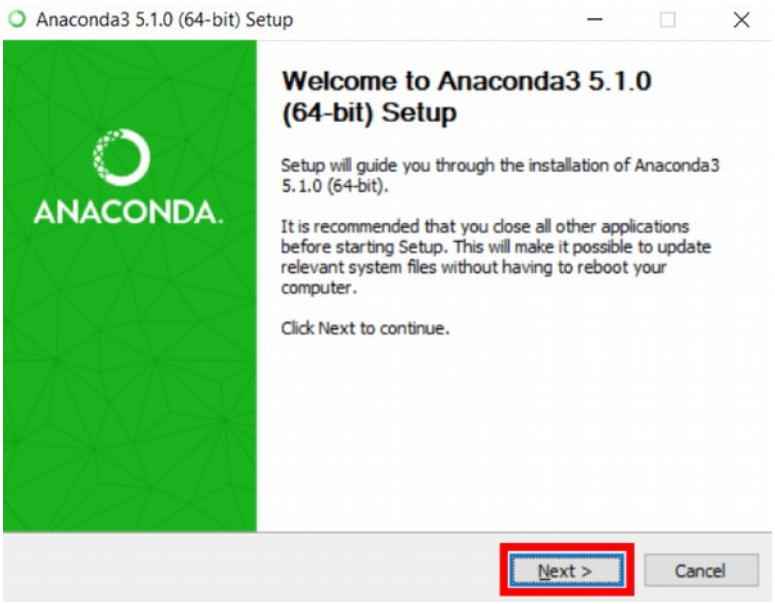
Anaconda is a complete, open source data science package with a community of over 6 million users. It is easy to download and install, and it is supported on Linux, MacOS, and Windows.

Download and Install Anaconda

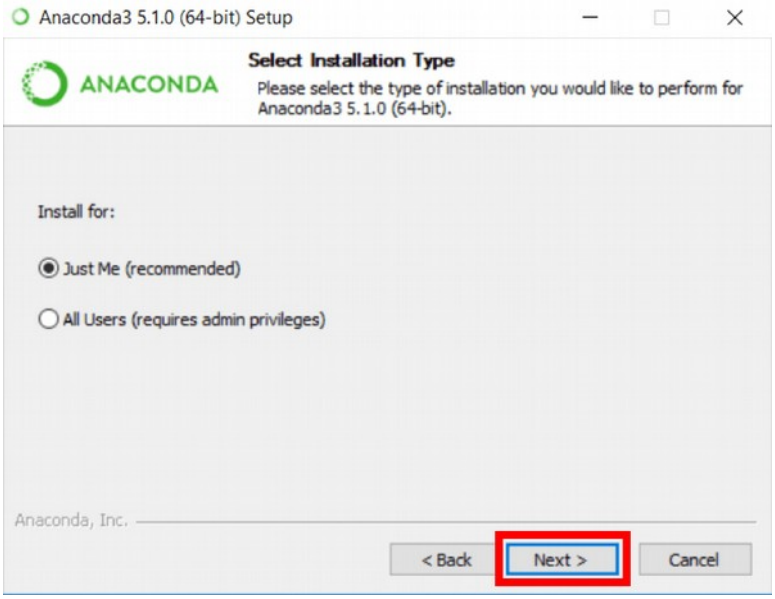
Go to the Anaconda Website and choose a Python 3.x graphical installer.

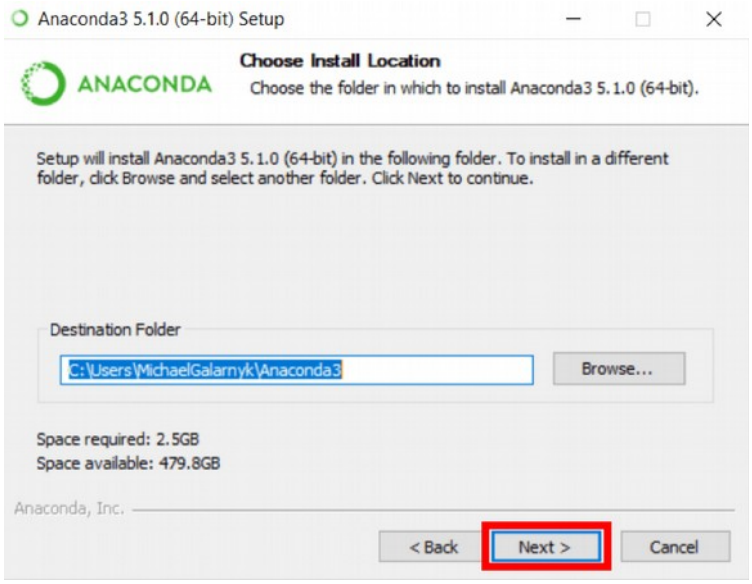


Locate your download and double click it. When the screen below appears, click on Next.

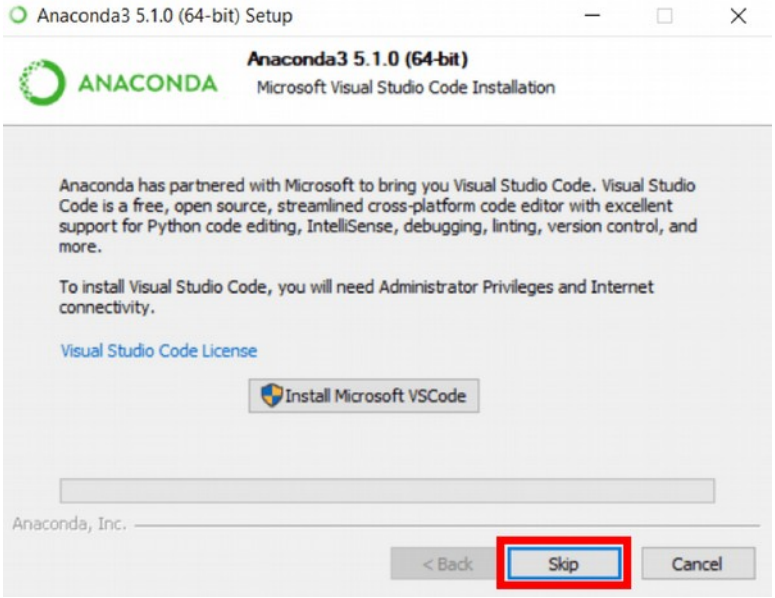


Note your installation location and then click Next. **Use Destination folder which has no space or non-ascii characters in path name.** Click Next.



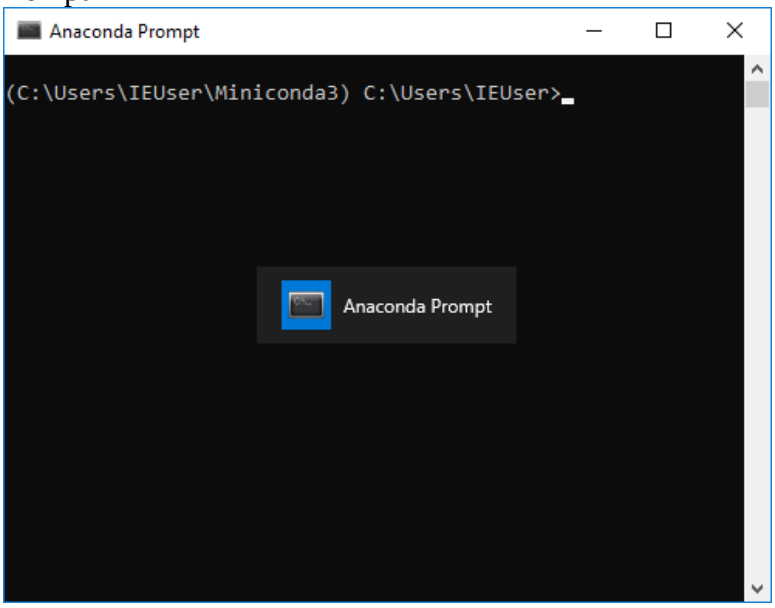


You can install Microsoft VSCode if you wish, but it is optional.



On Windows you will have new start menu items from the Anaconda install.

If everything is OK you can run Anaconda Prompt



R language packages for Anaconda

The R language packages available for install from conda are available at http://repo.anaconda.com/pkgs/r/. Many Comprehensive R Archive Network (CRAN) packages have been been rebuilt and made available as conda packages. Anaconda does not provide builds of the entire CRAN repository, so there are some packages in CRAN that are not available as conda packages.

R Essentials bundle

Rather than install each R language package individually, you can get the R Essentials bundle. It includes about 100 of the most popular scientific packages for the R programming language.

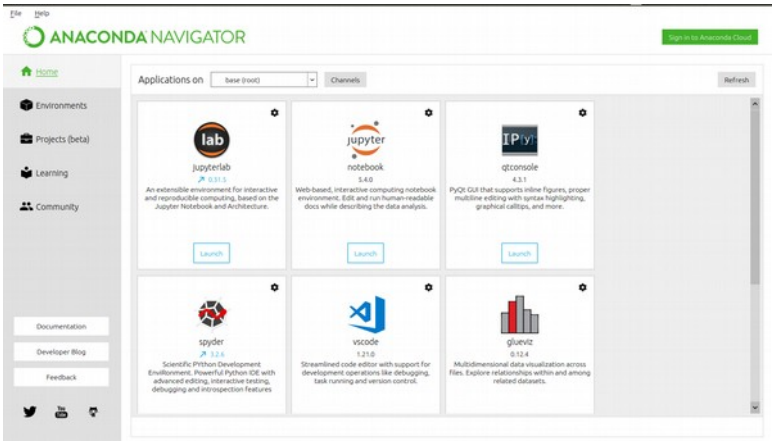
You can install the R Essentials bundle with this command in Anaconda Prompt:

```
conda install -c r r-essentials
```

Alternatively, you can install R Essentials bundle using Anaconda Navigator. Add `r` to channels a search for `r-essentials` package.

Anaconda Navigator

Anaconda Navigator is a desktop graphical user interface (GUI) included in Anaconda® distribution that allows you to launch applications and easily manage conda packages, environments and channels without using command-line commands. Navigator can search for packages on Anaconda Cloud or in a local Anaconda Repository. It is available for Windows, macOS and Linux.



Why use Navigator?

In order to run, many scientific packages depend on specific versions of other packages. Data scientists often use multiple versions of many packages, and use multiple environments to separate these different versions. The command line program conda is both a package manager and an environment manager, to help data scientists ensure that each version of each package has all the dependencies it requires and works correctly.

Navigator is an easy, point-and-click way to work with packages and environments without needing to type conda commands in a terminal window. You can use it to find the packages you want, install them in an environment, run the packages and update them, all inside Navigator.