

# Anaconda Installation on macOS

## What is Anaconda python ?

---

- Anaconda python = python + some usefull python packages.
- Usefull python packages :
  - Numpy, Scipy, Sklearn, Pandas, Matplotlib etc.,

## How to install ?

---

### Steps :

- Go to, <https://www.anaconda.com/download/#macos>
- Download python3.6 version. Choose the graphical installer.
- In your Downloads folder you should have a file **Anaconda3-5.2.0-MacOSX-x86\_64.pkg**, run it.
- You can check installation, by running this in your terminal

```
$ python
```

it should return :

```
Python 3.6.5 |Anaconda, Inc.| (default, Apr 26 2018, 08:42:37)  
[GCC 4.2.1 Compatible Clang 4.0.1 (tags/RELEASE_401/final)] on darwin
```

Note : You can also install other python packages that are by default not in anaconda, e.g.

```
$ conda install tensorflow
```

## How to run jupyter notebook ?

---

- Anaconda by default installs jupyter server.
- Go to terminal and run

```
$ jupyter notebook
```

It should launch either safari or chrome browser, you can either open a notebook file with extension .ipynb or create a new notebook.

Steps for Installing Anaconda python on Windows:

1. Download Anaconda installer from <https://www.anaconda.com/download/#windows>

Choose Python 3.6 version.

2. Double click the installer to launch.

**NOTE: To prevent permission errors, do not launch the installer from the Favorites folder.**

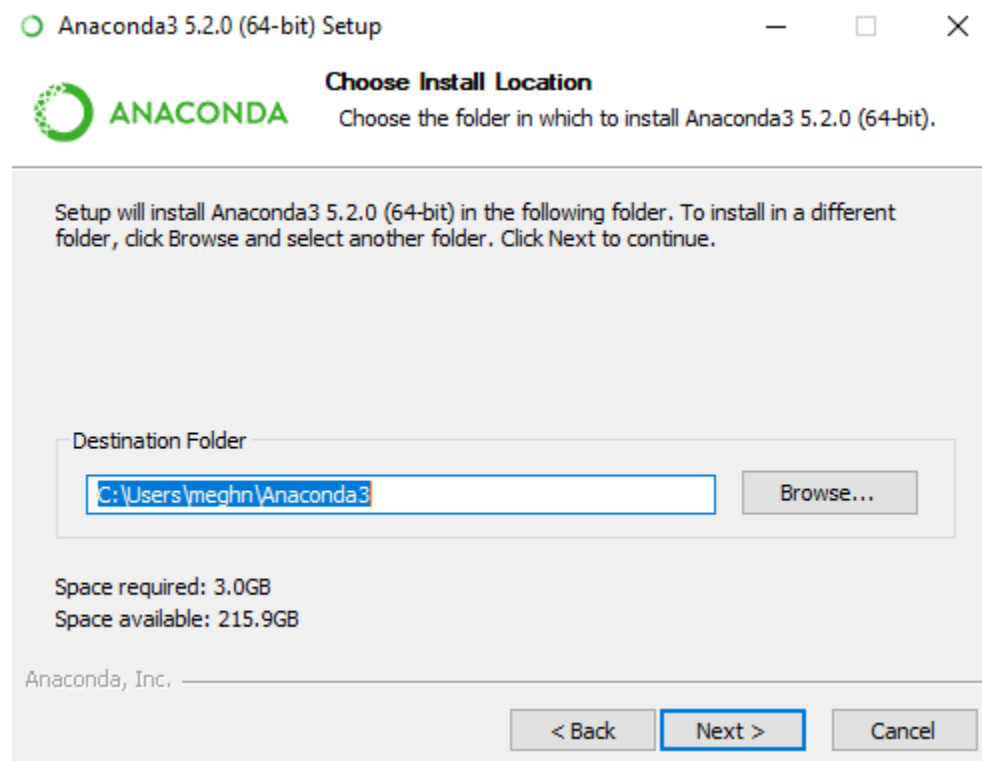
**NOTE: If you encounter issues during installation, temporarily disable your anti-virus software during install, then re-enable it after the installation concludes. If you installed for all users, uninstall Anaconda and re-install it for your user only and try again.**

3. Click Next. Accept the licensing terms by clicking “I Agree”.

4. Select an install for “Just Me” unless you’re installing for all users (which requires Windows Administrator privileges) and click Next.

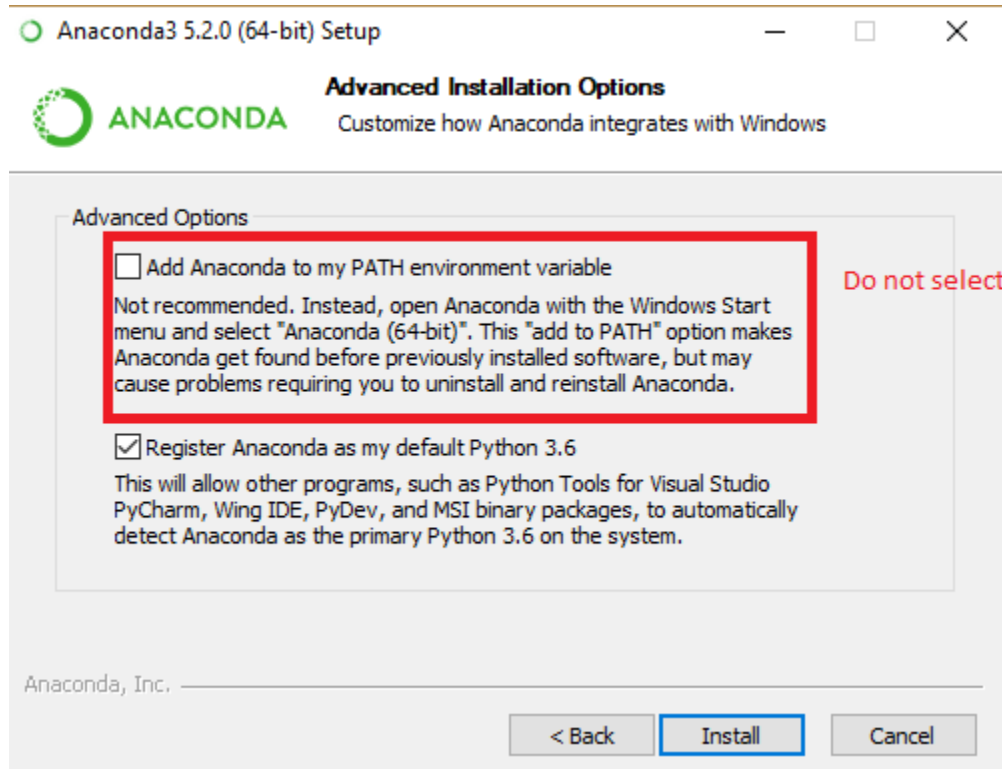
5. Select a destination folder to install Anaconda

**In what folder should I install Anaconda on Windows:** We recommend installing Anaconda into a directory that contains only 7-bit ASCII characters and no spaces, such as C:\anaconda. Do not install into paths that contain spaces such as C:\Program Files or that include Unicode characters outside the 7-bit ASCII character set. This helps ensure correct operation and no errors when using any open source tools in Python conda environments.



Click Next

6. 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.**



Click the Install button.

7. Click the Next button.

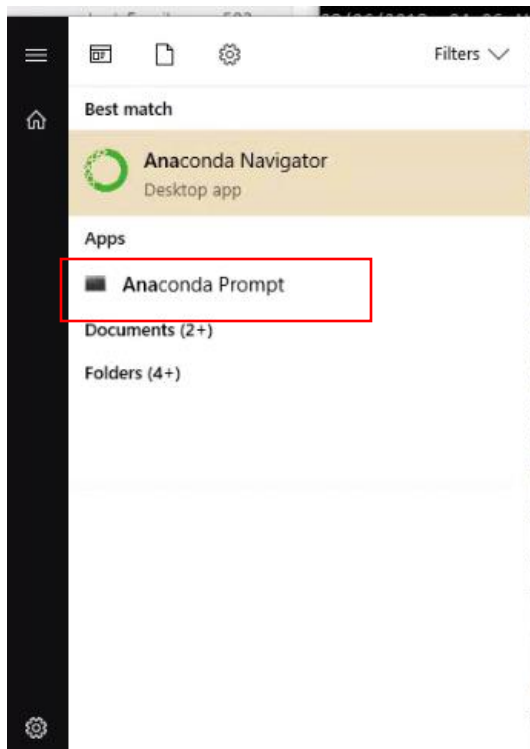
8. Skip the vscode installation by clicking Skip.

9. After a successful installation you will see the "Thanks for installing Anaconda" dialog box.

10. After your install is complete, verify it by opening Anaconda Navigator from Start Menu. If Navigator opens, you have successfully installed Anaconda. If not, check that you completed each step above.

**Please wait for sometime, it might take a minute to open the navigator.**

11. To run python commands use anaconda command prompt (not windows command prompt)



How to run Jupyter notebook.

```
Anaconda Prompt - jupyter notebook

(base) E:\Dropbox>jupyter notebook
[I 20:03:03.992 NotebookApp] JupyterLab beta preview extension loaded from C:\Users\meghn\Anaconda3\lib\site-packages\jupyterlab
[I 20:03:03.992 NotebookApp] JupyterLab application directory is C:\Users\meghn\Anaconda3\share\jupyter\lab
[I 20:03:04.156 NotebookApp] Serving notebooks from local directory: E:\Dropbox
[I 20:03:04.156 NotebookApp] 0 active kernels
[I 20:03:04.156 NotebookApp] The Jupyter Notebook is running at:
[I 20:03:04.156 NotebookApp] http://localhost:8888/?token=276547c49c07cf8c83caea6204430f8c9db52fa5d8436c16
[I 20:03:04.156 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 20:03:04.160 NotebookApp]

Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
    http://localhost:8888/?token=276547c49c07cf8c83caea6204430f8c9db52fa5d8436c16&token=276547c49c07cf8c83caea6204430f8c9db52fa5d8436c16
[I 20:03:04.327 NotebookApp] Accepting one-time-token-authenticated connection from ::1
```

1. Open the anaconda prompt and type jupyter notebook