

Natural Language Processing with Python

CS372 2021 Spring

Installing Python and NLTK for Windows

By CS372 Teaching Staff March 2, 2021

In this document, we will show how to install Python and NLTK via Anaconda3.

(Installation via Chocolatey: <https://docs.python-guide.org/starting/install3/win/#install3-windows>)

(Installation from Python.org: <https://www.guru99.com/download-install-nltk.html>)

1. Download Anaconda3 (Python 3.7) from <https://www.anaconda.com/distribution/>.
 - Check your system type: 64Bit or 32Bit

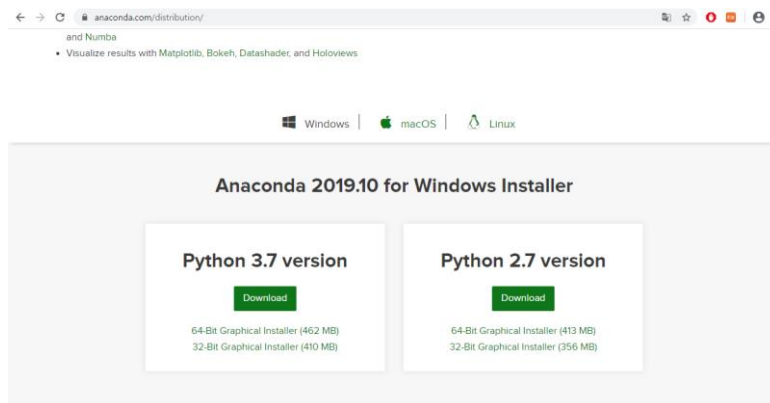
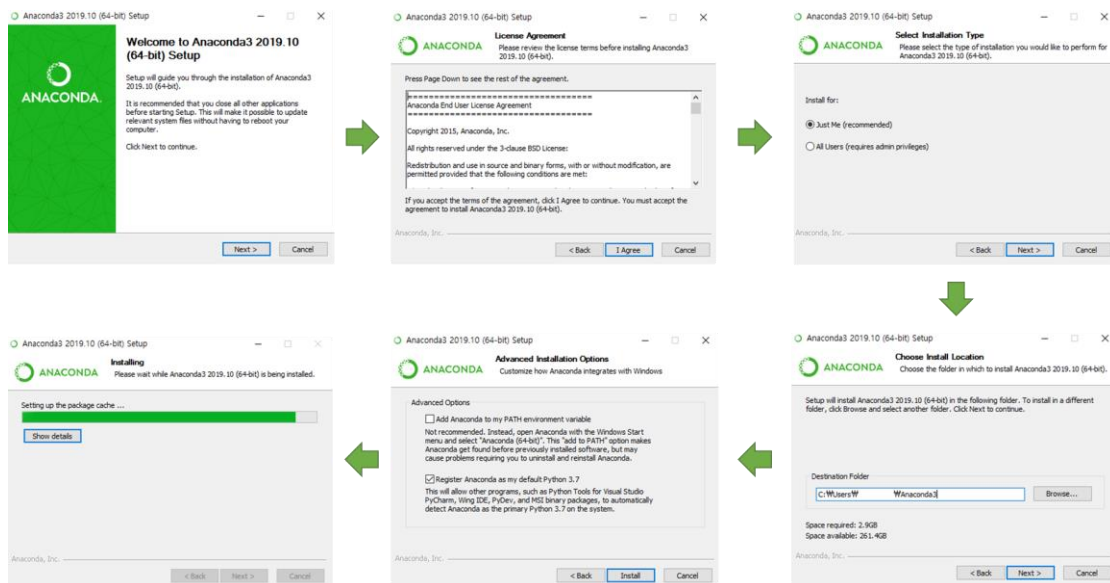


Figure 1. Anaconda download page

2. Execute Anaconda3 setup.



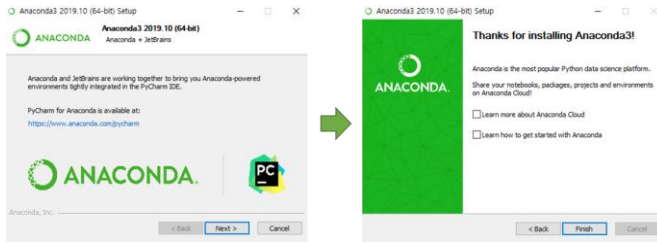


Figure 2. Anaconda installation

3. Go with the mouse to the Windows Icon (lower left), start typing “Anaconda”, and select “Anaconda Prompt”.

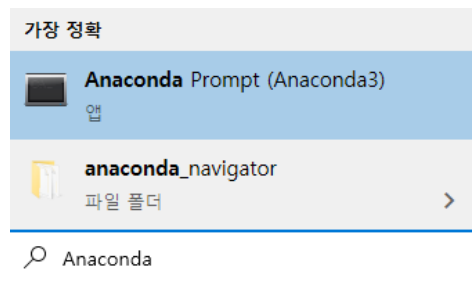


Figure 3. Anaconda prompt

4. Input the following commands:



Figure 4. Commands for NLTK installation

5. Click ‘all’ and download NLTK collections.

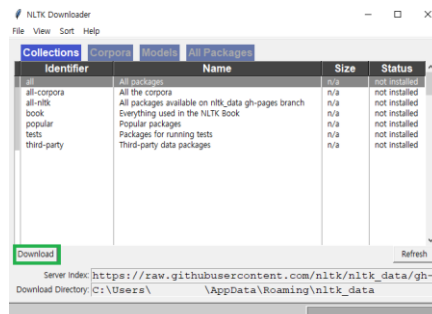


Figure 5. NLTK collection download page

6. If you cannot import other packages (numpy and matplotlib), open the Anaconda prompt and input following commands:

- Update anaconda.

```
(base) > conda update conda
...
Proceed ([y]/n)? y
```

- Install packages.

```
(base) > conda install numpy
(base) > conda install matplotlib
```

7. (Optional) For using python 3.8, open Anaconda prompt (base) and input the following commands:

- Update anaconda.

```
(base) > conda update conda
...
Proceed ([y]/n)? y
```

- Create a new environment with Python 3.8.

```
(base) > conda create -n python38 python=3.8
...
Proceed ([y]/n)? y
```

- Activate the new environment.

```
(base) > conda activate python38
(python38) >
```

- Install NLTK, numpy, and matplotlib.

```
(python38) > conda install nltk
(python38) > conda install numpy
(python38) > conda install matplotlib
```

- If you want to leave the environment, deactivate it.

```
(python38) > conda deactivate
(base) >
```

```
(python38) C:\Users\# >conda deactivate
(base) C:\Users\# >conda activate python38
(python38) C:\Users\# >python
Python 3.8.1 (default, Mar 2 2020, 13:06:26) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import nltk
>>>
```

Figure 6. NLTK download in Python 3.8