

Windows 사용자 tensorflow 설치

July 4, 2017

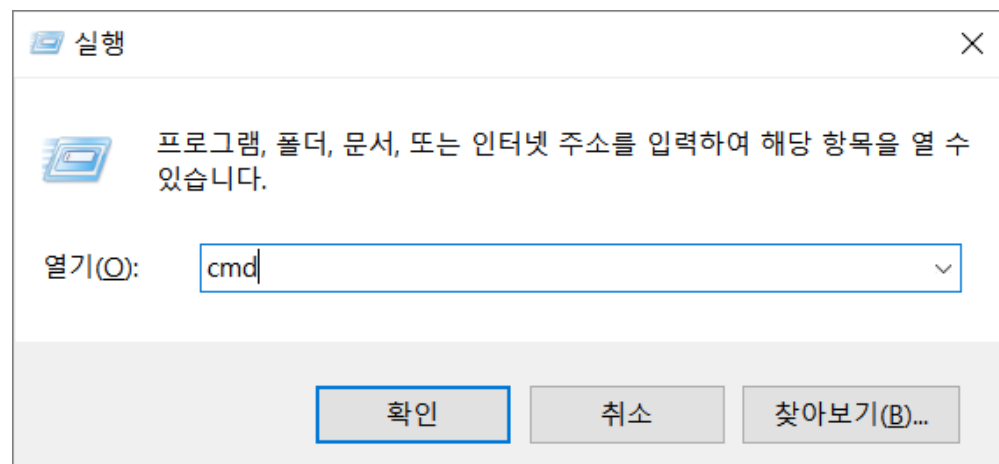
김승찬





참고

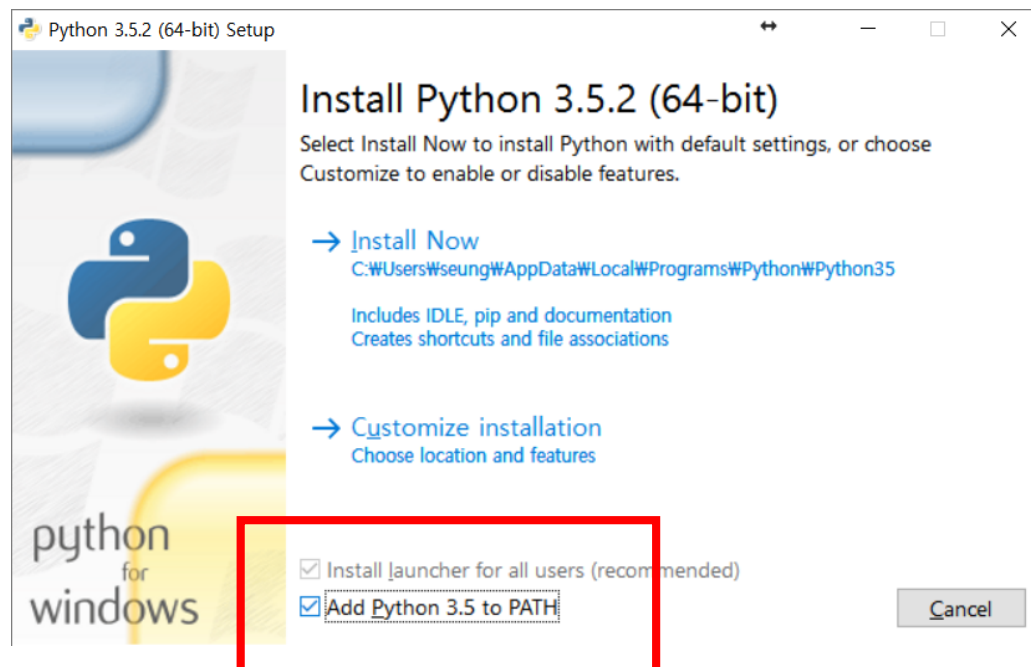
- <https://github.com/dalek7/DLWorkshop17Summer>
- <https://github.com/dalek7/DLWorkshop17Summer/blob/master/installation-windows.md>





Python

- TensorFlow only supports version 3.5.x of Python on Windows !!
- 다운로드 후 설치
- <https://www.python.org/ftp/python/3.5.2/python-3.5.2-amd64.exe>





```
C:\Windows\system32\cmd.exe - python
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\seung>python
Python 3.5.2 (v3.5.2:4def2a2901a5, Jun 25 2016, 22:18:55) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```



- `python -m pip install --upgrade pip`

```
C:\Windows\system32\cmd.exe
C:\Users\seung>python -m pip install --upgrade pip
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
Collecting pip
  Downloading pip-9.0.1-py2.py3-none-any.whl (1.3MB)
    100% |#####| 1.3MB 537kB/s
Installing collected packages: pip
  Found existing installation: pip 8.1.1
    Uninstalling pip-8.1.1:
      Successfully uninstalled pip-8.1.1
Successfully installed pip-9.0.1
C:\Users\seung>
```



What's the difference between `pip install` and `python -m pip install`?

- They do exactly the same thing. In fact, the docs for distributing Python modules were just updated to suggest using `python -m pip` instead of the `pip` executable, because it's easier to tell which version of python is going to be used to actually run pip that way.



Virtualenv

- > pip install virtualenv
- > virtualenv tensorflow
- > tensorflow\Script\activate

```
C:\Windows\system32\cmd.exe

C:\Users\seung>pip install virtualenv

C:\Windows\system32\cmd.exe

C:\Users\seung>virtualenv tensorflow
New python executable in C:\Users\seung\tensorflow\Scripts\python.exe
Installing setuptools, pip, wheel...done.

C:\Users\seung>

C:\Windows\system32\cmd.exe

C:\Users\seung>tensorflow\Scripts\activate
(tensorflow) C:\Users\seung>
```




Tensorflow 설치

> pip install tensorflow

```
C:\windows\system32\cmd.exe
(tensorflow) C:\Users\seung>pip install tensorflow
Collecting tensorflow
  Downloading tensorflow-1.2.1-cp35-cp35m-win_amd64.whl (21.2MB)
    100% |#####| 21.2MB 45kB/s
Collecting html5lib==0.9999999 (from tensorflow)
  Downloading html5lib-0.9999999.tar.gz (889kB)
    100% |#####| 890kB 928kB/s
Requirement already satisfied: wheel>=0.26 in c:\users\seung\tensorflow\lib\site-packages (from tensorflow)
Collecting markdown>=2.6.8 (from tensorflow)
  Downloading Markdown-2.6.8.tar.gz (307kB)
    100% |#####| 317kB 2.1MB/s
Collecting six>=1.10.0 (from tensorflow)
  Downloading six-1.10.0-py2.py3-none-any.whl
Collecting backports.weakref==1.0rc1 (from tensorflow)
  Downloading backports.weakref-1.0rc1-py3-none-any.whl
Collecting numpy>=1.11.0 (from tensorflow)
  Downloading numpy-1.13.0-cp35-none-win_amd64.whl (7.8MB)
    100% |#####| 7.8MB 135kB/s
Collecting protobuf>=3.2.0 (from tensorflow)
  Downloading protobuf-3.3.0.tar.gz (271kB)
    100% |#####| 276kB 2.4MB/s
Collecting werkzeug>=0.11.10 (from tensorflow)
  Downloading Werkzeug-0.12.2-py2.py3-none-any.whl (312kB)
    100% |#####| 317kB 2.0MB/s
Collecting bleach==1.5.0 (from tensorflow)
  Downloading bleach-1.5.0-py2.py3-none-any.whl
Requirement already satisfied: setuptools in c:\users\seung\tensorflow\lib\site-packages (from protobu
```



Pycharm-community 설치

다운로드 및 설치

<https://download.jetbrains.com/python/pycharm-community-2017.1.4.exe>



Pycharm : interpreter 설정 !

