

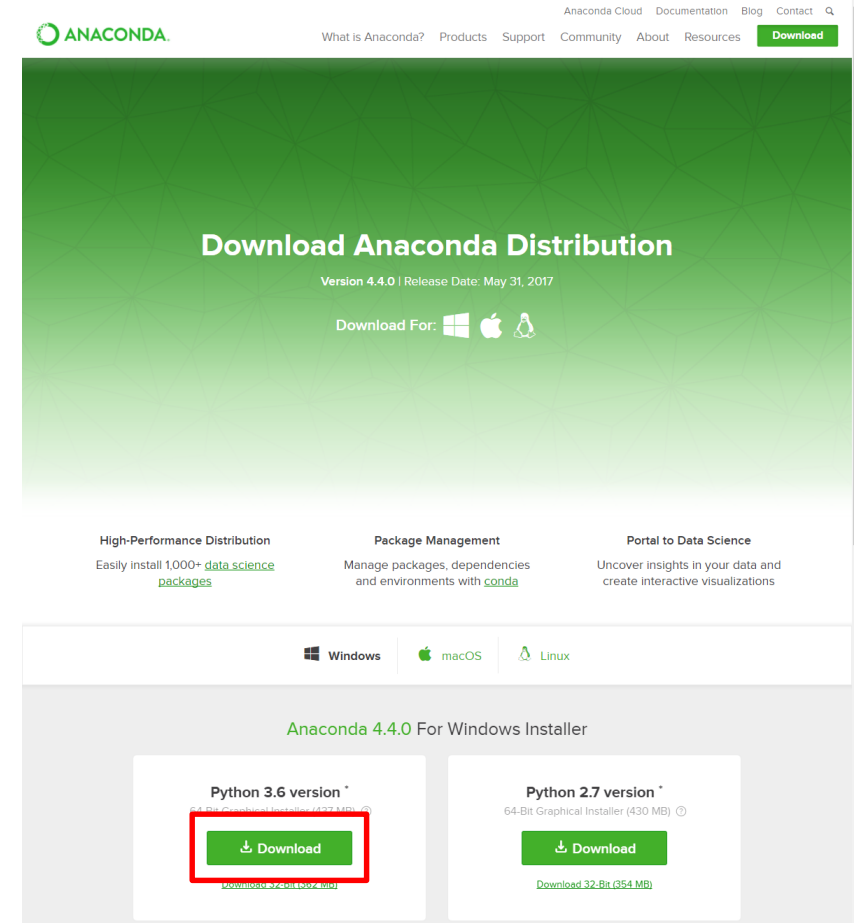
CS231n 과제 환경 설치

차례

- Anaconda 다운로드
- Anaconda 설치
- Anaconda 가상환경 구성
- CS231n 과제 환경 구성

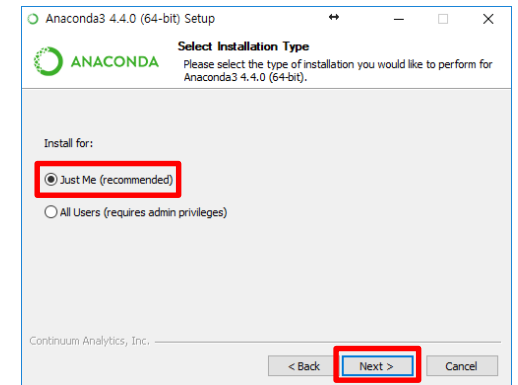
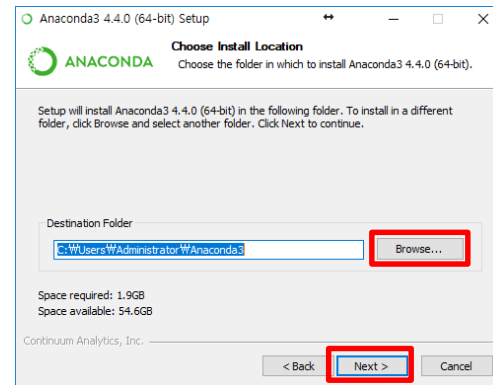
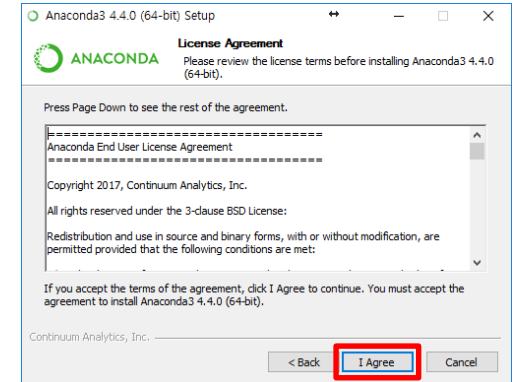
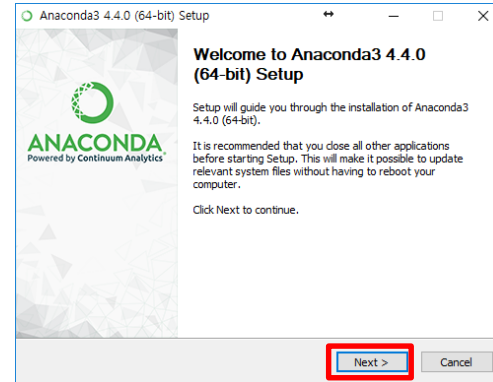
Anaconda 다운로드

- 설치 프로그램의 버전을 선택하고 다운로드
- URL : <https://www.anaconda.com/download/>
- 사용될 버전 : Python 3.x
→ Anaconda 3



Anaconda 설치

1. 'Next' 클릭
2. 'I Agree' 클릭
3. 'Just Me'를 체크하고 'Next' 클릭
4. 설치 경로를 지정하고 'Next' 클릭



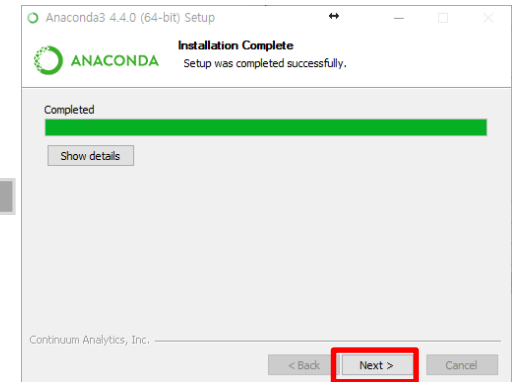
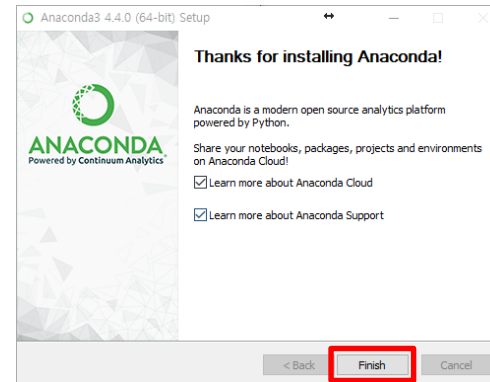
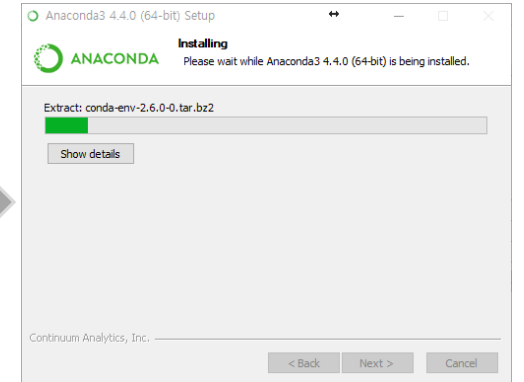
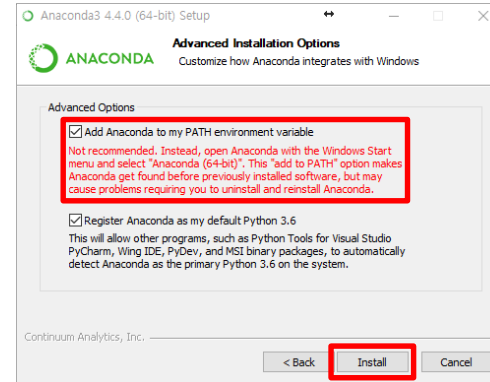
Anaconda 설치

5. 'Add Anaconda to my PATH environment variable' 체크

6. 설치 진행

7. 'Next' 클릭

8. 설치 완료



Anaconda 가상환경 구성

1. 명령 프롬프트 또는 'Anaconda Prompt' 열기
2. 'conda create --name <이름> python=3.5' 입력
3. 'y' 입력
4. 'activate <이름>' 입력
5. 'conda install scipy' 입력
6. 'y' 입력

```
(C:\Users\# #Anaconda3) C:\Users\# >conda create --name py35 python=3.5
Fetching package metadata .....
Solving package specifications: .

Package plan for installation in environment C:\Users\# #Anaconda3\envs\py35:

The following NEW packages will be INSTALLED:

 certifi:      2016.2.28-py35_0
 pip:          9.0.1-py35_1
 python:       3.5.4-0
 setuptools:   36.4.0-py35_0
 vs2015_runtime: 14.0.25420-0
 wheel:        0.29.0-py35_0
 wincertstore: 0.2-py35_0

Proceed ([y]/n)? y

#
# To activate this environment, use:
# > activate py35
#
# To deactivate this environment, use:
# > deactivate py35
#
# * for power-users using bash, you must source
#

(C:\Users\# #Anaconda3) C:\Users\# >activate py35

(py35) C:\Users\# >conda install scipy
Fetching package metadata .....
Solving package specifications: .

Package plan for installation in environment C:\Users\# #Anaconda3\envs\py35:

The following NEW packages will be INSTALLED:

 mkl: 2017.0.3-0
 numpy: 1.13.1-py35_0
 scipy: 0.19.1-np113py35_0

Proceed ([y]/n)? y

(py35) C:\Users\# >
```

CS231n 과제 환경 구성

1. 'Assignment1.zip' 의 압축을 해제하고, 프롬프트에서 해당 위치로 이동
2. 'pip install -r requirements.txt' 입력
3. 설치 진행
4. 'jupyter notebook' 입력
5. jupyter 가 제대로 실행되면 설치 및 구성이 정상적으로 완료

```
(py35) D:\Git\cs231n\Assignment1>dir
D 드라이브의 볼륨:
볼륨 일련 번호:

D:\Git\cs231n\Assignment1 디렉터리

2017-09-10 오후 05:42 <DIR>          .
2017-09-10 오후 05:42 <DIR>          ..
2017-04-07 오전 01:37          .gitignore
2017-04-07 오전 01:37          169 collectSubmission.sh
2017-09-10 오후 05:42 <DIR>          cs231n
2017-04-07 오전 01:37          13,621 features.ipynb
2017-04-07 오전 01:37          487 frameworkpython
2017-04-07 오전 01:37          17,108 knn.ipynb
2017-04-07 오전 01:37          130 README.md
2017-09-10 오후 06:11          785 requirements.txt
2017-04-07 오전 01:37          1,076 setup_googlecloud.sh
2017-04-07 오전 01:37          11,941 softmax.ipynb
2017-04-07 오전 01:37          113 start_ipython_osx.sh
2017-04-07 오전 01:37          21,205 svm.ipynb
2017-04-07 오전 01:37          17,565 two_layer_net.ipynb
                12개 파일
                3개 디렉터리 425,237,393,408 바이트 남음

(py35) D:\Git\cs231n\Assignment1>pip install -r requirements.txt
Requirement already satisfied: Cython==0.23.4 in c:\users\shin\anaconda3\envs\py35\lib\site-packages (from requirements.txt (line 1))
Requirement already satisfied: Jinja2==2.8 in c:\users\shin\anaconda3\envs\py35\lib\site-packages (from requirements.txt (line 2))
```

