

## ● Requirement

Anaconda prompt(or terminal)에서 아래의 라이브러리를 설치한다.

### 1. OpenCV

pip install opencv-python

### 2. Keras

pip install keras

### 3. Matplotlib

pip install matplotlib

### 4. Numpy

pip install numpy

### 5. Scikit-image

pip install scikit-image

## ● CelebA Dataset 다운받는 방법

1. <https://www.kaggle.com/jessicali9530/celeba-dataset> 로 들어가서 로그인한다

2. Download를 누른다.

The screenshot shows the Kaggle website interface. At the top, there is a search bar and a navigation menu with options like Home, Compete, Data, Notebooks, Discuss, Courses, and More. The main content area displays the 'CelebFaces Attributes (CelebA) Dataset' by Jessica Li, updated 2 years ago (Version 2). The dataset description states 'Over 200k images of celebrities with 40 binary attribute annotations'. Below the description, there are tabs for Data, Tasks, Kernels (95), Discussion (5), Activity, and Metadata. A red box highlights the 'Download (1 GB)' button. Below the tabs, there are sections for Usability (7.6), License (Other (specified in description)), and Tags (business, computing, arts and entertainment, online communities, online image galleries, and 4 more). The Description section is also visible, starting with 'Context'.

3. 압축해제한다.

4. 원하는 경로에 복사한다.