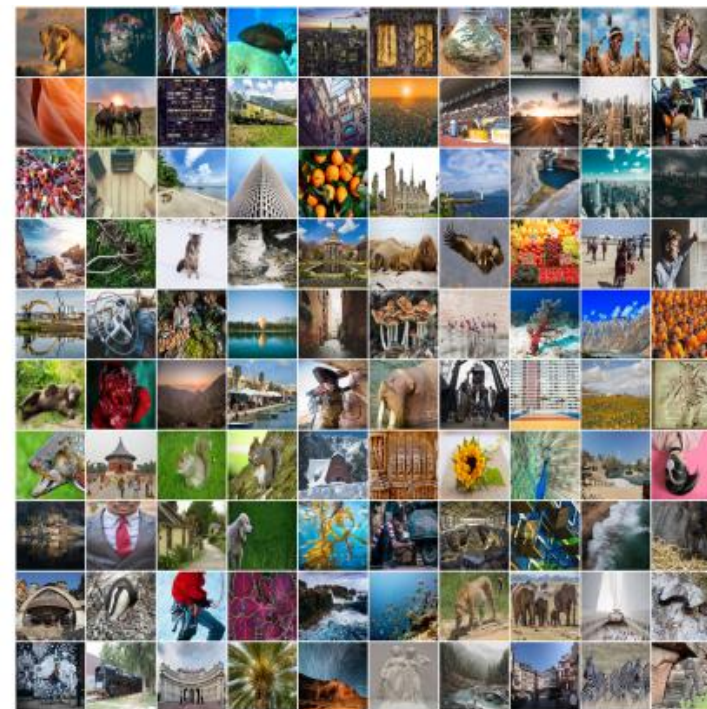**Chapter**   **05. 이미지 복원 (Image Reconstruction)**

응용하기 좋은 데이터셋 소개

DIV2k Dataset

DIV2K 100 validation images   **DIV2K 100 test images**

Figure 2. Visualization of proposed DIV2K validation and test images. DIV2K contains also 800 train images.

CVPR 2017, 2018에서 Challenge로 사용된 데이터셋. 2K 이미지를 SISR하는 데이터셋이다.

https://data.vision.ee.ethz.ch/cvl/DIV2K/

Well-Known SR Datasets

특히 정성적인 결과를 볼 때에는 대중적으로 잘 알려진 Set5, Set14에서 많이 본다.

VGGFace2

VGGFace2 is a large-scale face recognition dataset. Images are downloaded from Google Image Search and have large variations in pose, age, illumination, ethnicity and profession.

9,000 +

identities

VGGFace2 contains images from identities spanning a wide range of different ethnicities, accents, professions and ages.
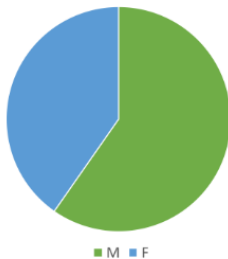
3.3 million +

faces

All face images are captured "in the wild", with pose and emotion variations and different lighting and occlusion conditions.
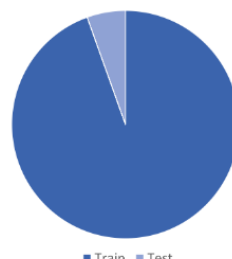
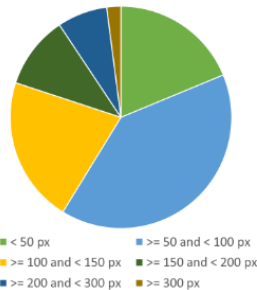**362 ~**

per-subject samples

Face distribution for different identities is varied, from 87 to 843, with an average of 362 images for each subject.

M F

Gender Distribution

Train Test

Train/Test Split

< 50 px   >= 50 and < 100 px
>= 100 and < 150 px   >= 150 and < 200 px
>= 200 and < 300 px   >= 300 px

Face Size Distribution

Face Recognition을 위한 데이터 셋이지만, Face Image Restoration에도 사용할 수 있다.

http://www.robots.ox.ac.uk/~vgg/data/vgg_face2/