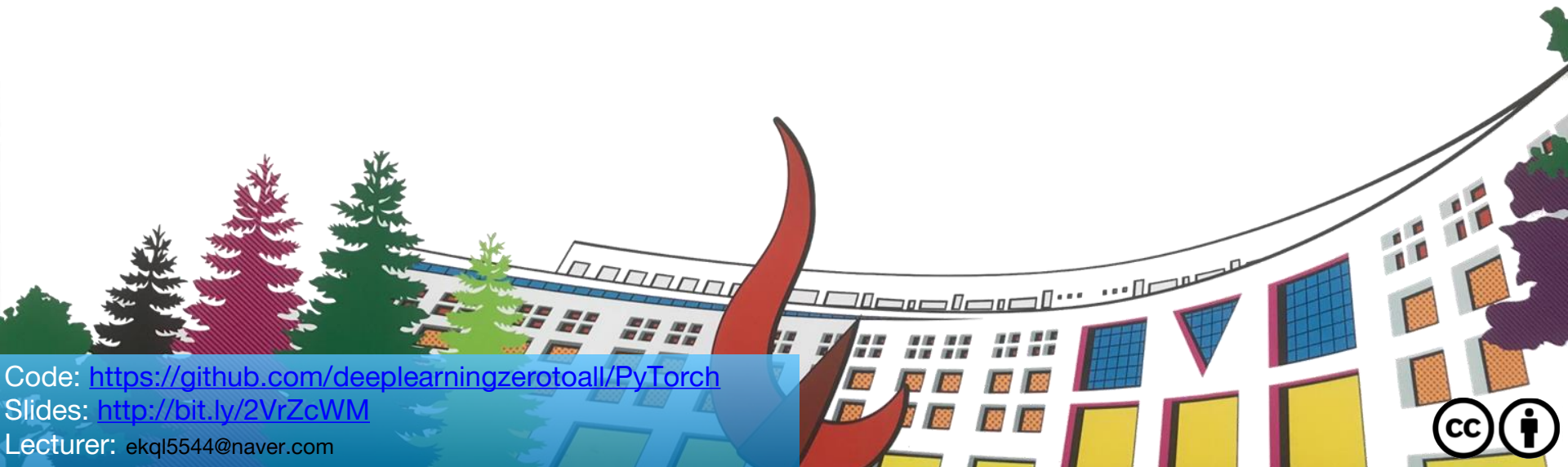


ML/DL for Everyone Season2

with PYTORCH

10-4-2 ImageFolder



Code: <https://github.com/deeplearningzerotoall/PyTorch>

Slides: <http://bit.ly/2VrZcWM>

Lecturer: ekql5544@naver.com



지난시간에는

ImageFolder 사용법

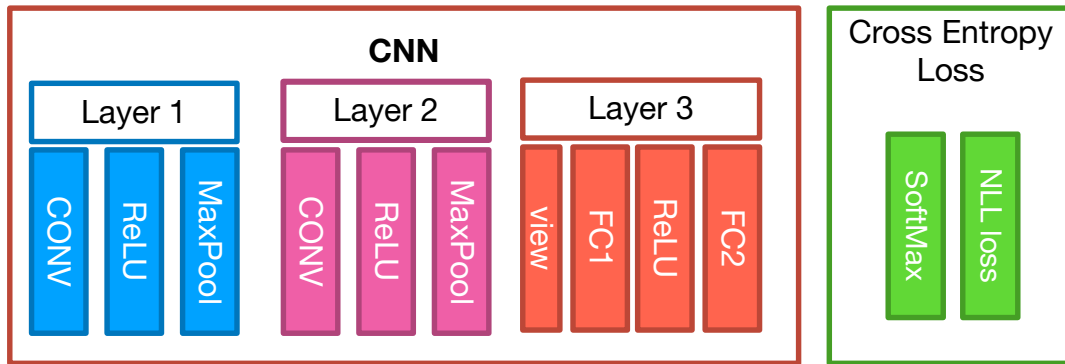
오늘은

- 내 사진을 분류하는 딥러닝 모델 학습

Neural Network 만들기



3x64x128
C x H x W



(Layer 1) Convolution layer = (in_c=3, out_c=6, kernel_size =5, stride=1)

(Layer 1) MaxPool layer = (kernel_size=2, stride =2)

(Layer 2) Convolution layer = (in_c=6, out_c=16, kernel_size =5, stride=1)

(Layer 2) MaxPool layer = (kernel_size=2, stride =2)

(Layer 3) view => (batch_size x [16,13,29] => batch_size x [6032])

(Layer 3) Fully_Connect layer => (input=6032, output = 120)

(Layer 3) Fully_Connect layer => (input=120, output = 2)

오늘 같이 해본 것들은?

내가 가진 사진을 이용해서 dataset을 만드는 법

배운 내용을 이용해서 학습하기

모델을 저장하고 다시 불러오는 법

What's Next?

- Advanced CNN