Practical Computer Vision Week 2

CNN Architectures and Image Classification



Week 2

- Group Presentation: CNN Architectures
- Study: Transfer Learning and Data Augmentation
- LAB: Transfer Learning: Frozen Parameters Using VGG

Group Presentation: CNN Architecture



CNN Architecture

- AlexNet, VGG
- Inception & Xception
- ResNet & ResNeXt





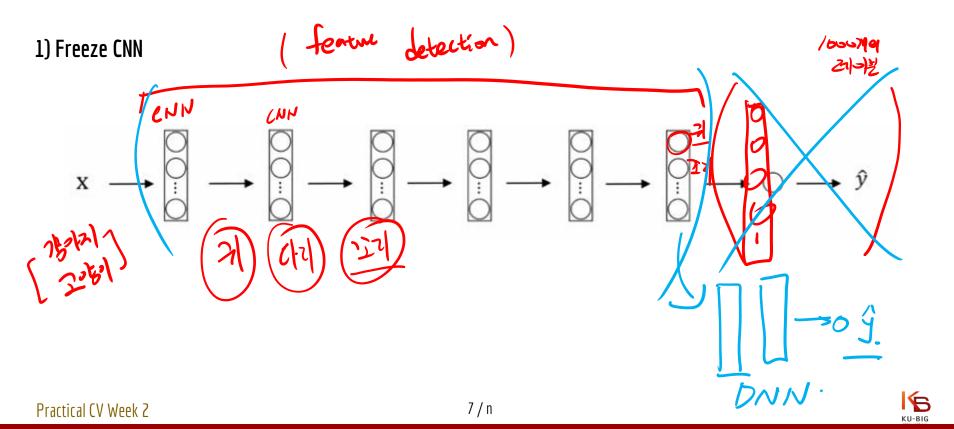
Transfer Learning Example



두리



순딩이

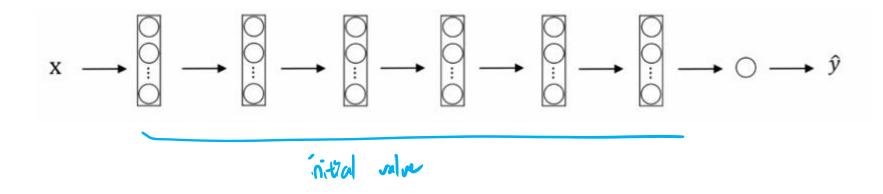


2) Fine Tuning initialize

8 / n



3) Initialized Parameters

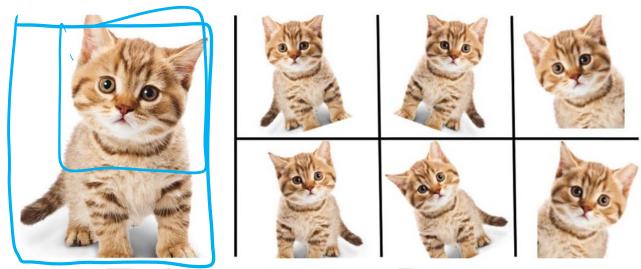




Data Augmentation



Data Augmentation



Enlarge your Dataset

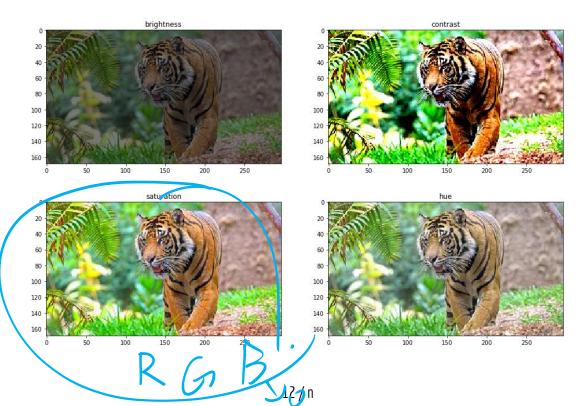


Data Augmentation 1998 LENEL (I).











LAB



HOMEWORK

- GROUP Assignment
- CAT vs DOG Small Competition

- INDIVIDUAL Self Practice
- CNN Practice Data Augmentation & Transfer Learning