

DEEP LEARNING PRESENTATION

아보카도 팀

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- 1. MODELING
- **2.** 결과해석

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XCEPTION

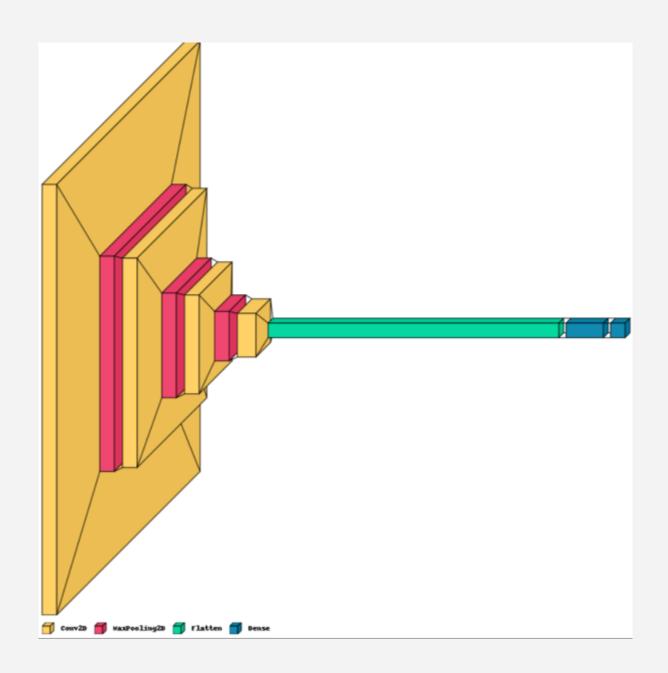
- **1.** MODELING
- **2.** 결과해석

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● 손상된 이미지 파일 제거 CAT666.JPG DOG11702.JPG

1. CNN

• MODELING



Model: "sequential_3"			
Layer (type)	Output Shape	Param #	
conv2d_12 (Conv2D)	(None, 148, 148, 32)	896	
max_pooling2d_9 (MaxPoolin g2D)	(None, 74, 74, 32)	0	
conv2d_13 (Conv2D)	(None, 72, 72, 64)	18496	
max_pooling2d_10 (MaxPooli ng2D)	(None, 36, 36, 64)	0	
conv2d_14 (Conv2D)	(None, 34, 34, 128)	73856	
max_pooling2d_11 (MaxPooli ng2D)	(None, 17, 17, 128)	0	
conv2d_15 (Conv2D)	(None, 15, 15, 256)	295168	
flatten_3 (Flatten)	(None, 57600)	0	
dense_6 (Dense)	(None, 512)	29491712	
dense_7 (Dense)	(None, 1)	513	
Total params: 29880641 (113.99 MB) Trainable params: 29880641 (113.99 MB) Non-trainable params: 0 (0.00 Byte)			

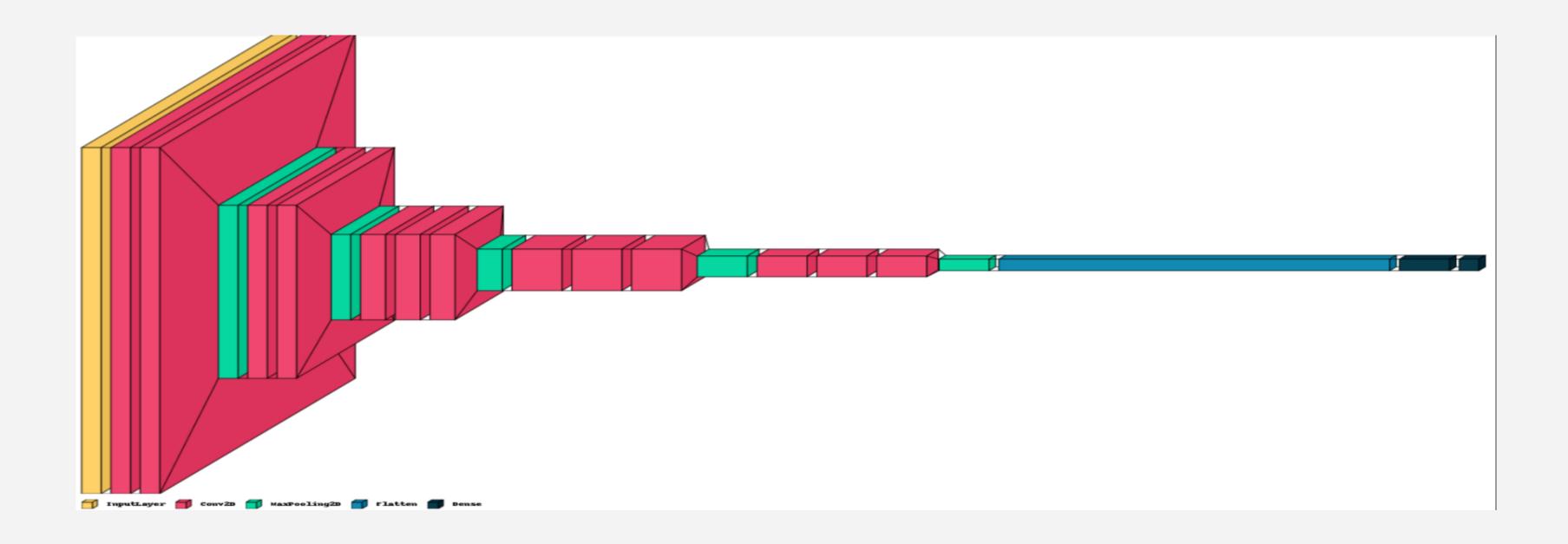
1. CNN

• ACCURACY: 0.87



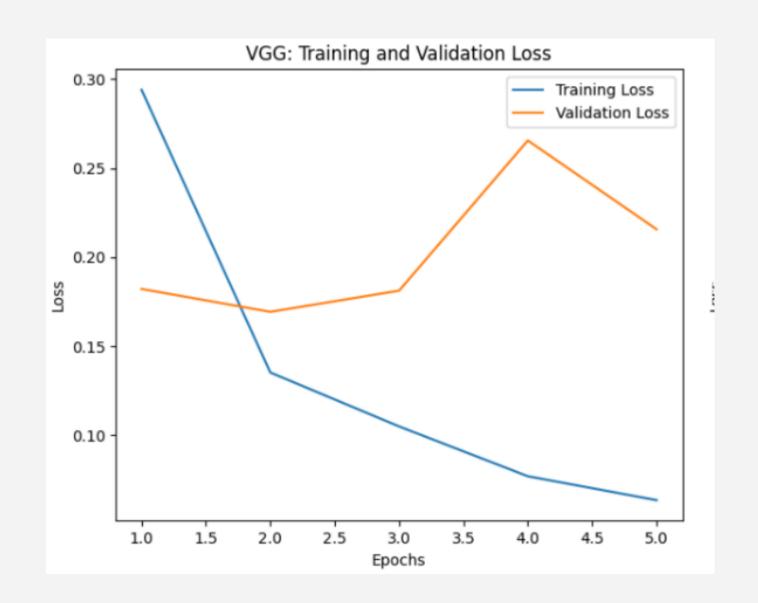
2. VGG16

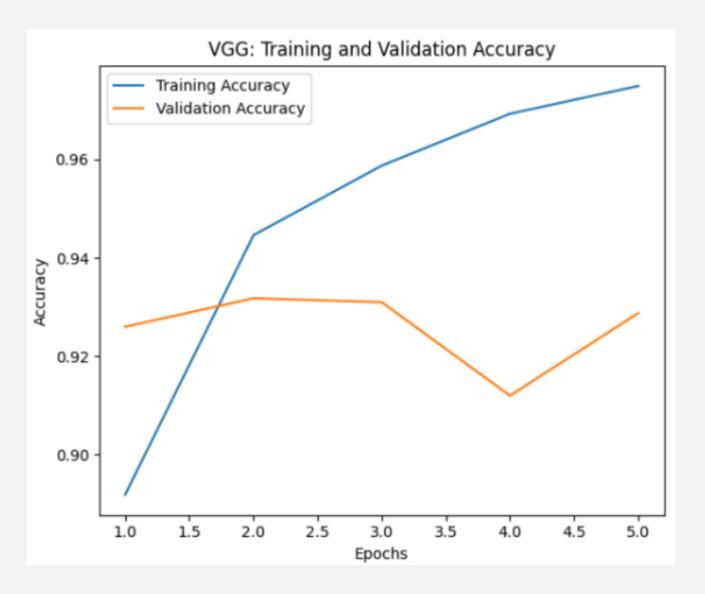
• MODELING



2. VGG16

- **ACCURACY: 0.96**
- TRAIN / VAL 큰 차이 존재





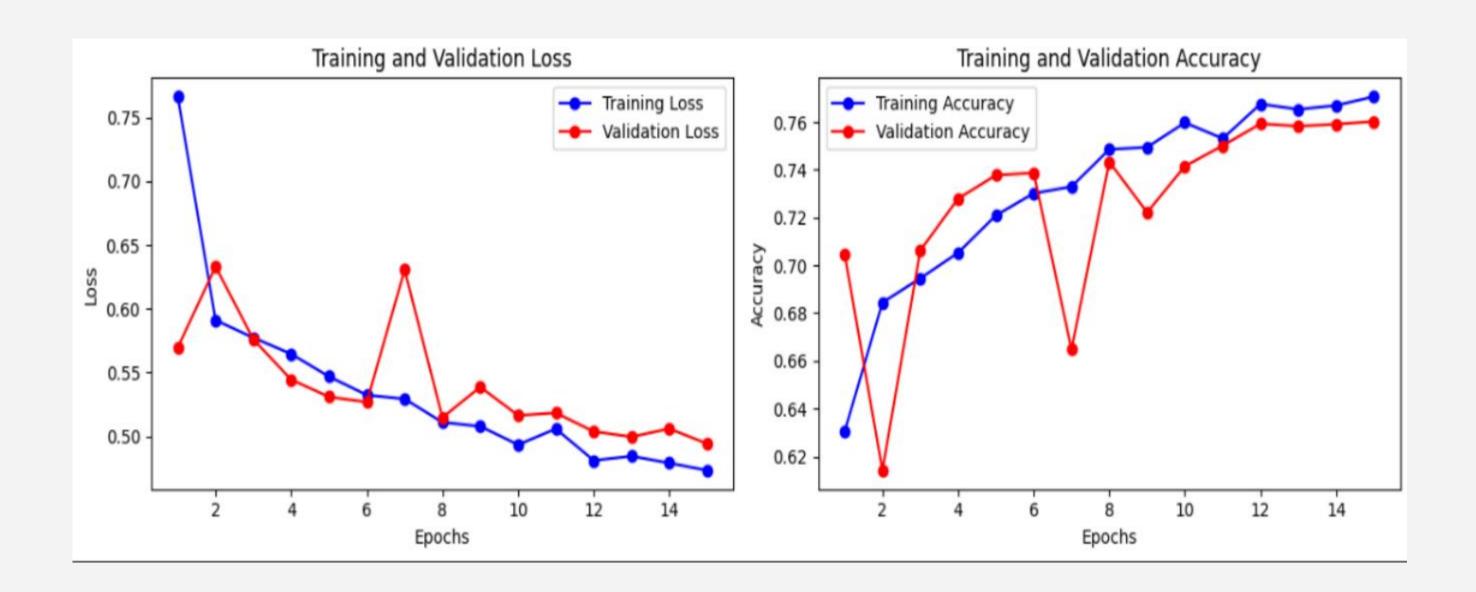
3.RESNET

• MODELING

Model: "sequential_11"			
Layer (type)	Output Shape	Param #	
resnet50 (Functional)	(None, 7, 7, 2048)	23587712	
flatten_11 (Flatten)	(None, 100352)	0	
dense_22 (Dense)	(None, 256)	25690368	
dense_23 (Dense)	(None, 1)	257	
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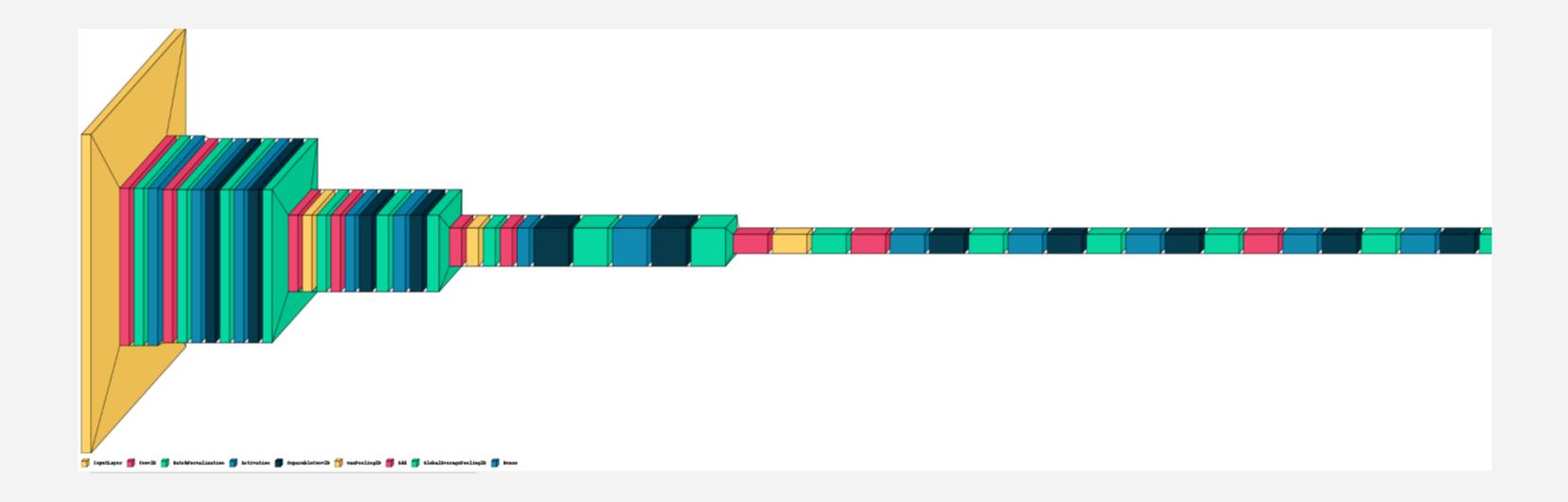
3.RESNET

- ACCURACY: 0.77
- 가장 낮은 성능을 보임



2.XCEPTION

- 이미지 분류, 객체 감지, 세분화 등의 컴퓨터 비전 태스크에 적용
- 학습 데이터셋이 많은 경우에 효과적인 모델



2.EXCEPTION

- ACCURACY: 0.99 (EPOCH=5)
- 가장 높은 성능을 보임

