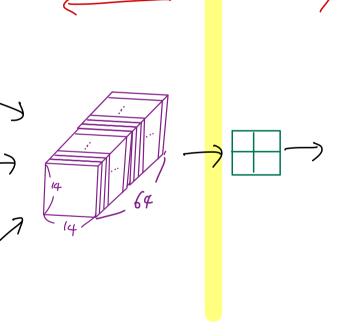


Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 28, 28, 32)	320
max_pooling2d (MaxPooling2D)	(None, 14, 14, 32)	0
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496
max_pooling2d_1 (MaxPooling2	(None, 7, 7, 64)	0
flatten (Flatten)	(None, 3136)	0
dense (Dense)	(None, 100)	313700
dropout (Dropout)	(None, 100)	0
dense_1 (Dense)	(None, 10)	1010

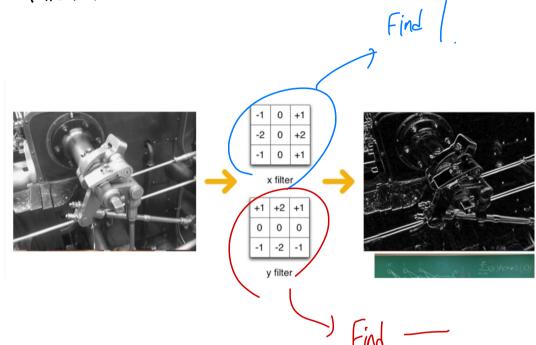
$$64x(3x3x32+1) = (3496)$$

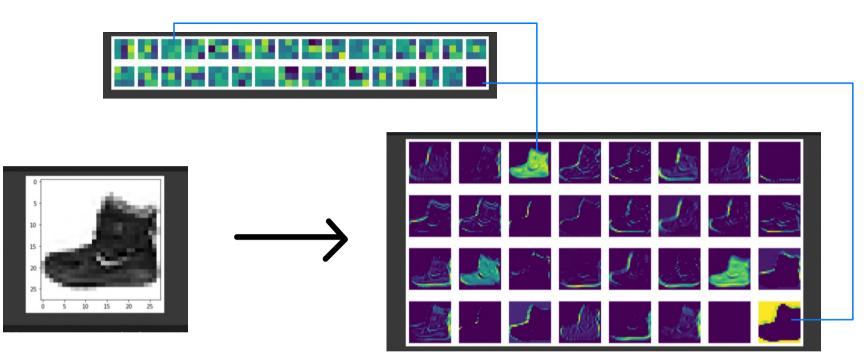
CON121\_



max\_pooling\_1

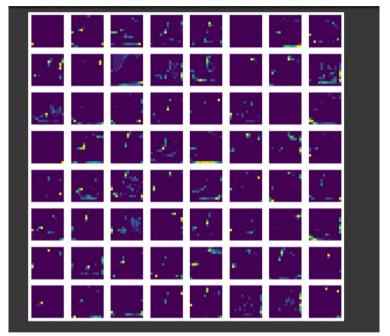
# Filterel 内部

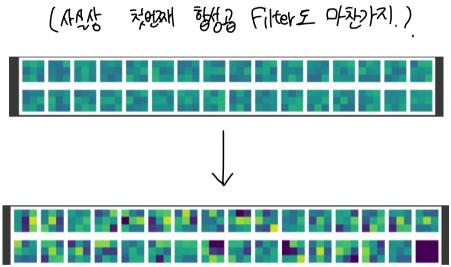




Convid.

## Conv 2D-1 의 Filter 는 사达戏인 의미X.





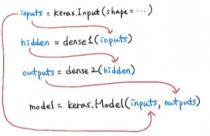
## 함수형 API

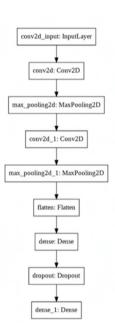
```
dense L = kerus. layers. Dense (100, activation='sigmoid')
dense 2 = kerus. layers. Dense (10, activation='softmax')
```

```
nidden = dense 1 (inputs)

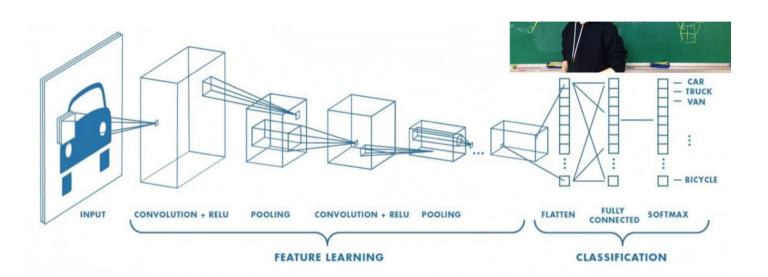
outputs = dense 2 (hidden)

model = keros. Model (inputs, outputs)
```





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https://www.youtube.com/watch?v=\_IDVf8jDKHg&list=PLJN246IAkhQjoU0C4v8FgtbjOIXxSs\_4Q&index=22

https://www.youtube.com/watch?v=\_WRlvAx-5Dw&list=PL\_iJu012NOxdDZEygsVG4jS8srnSdlgdn&index=21