

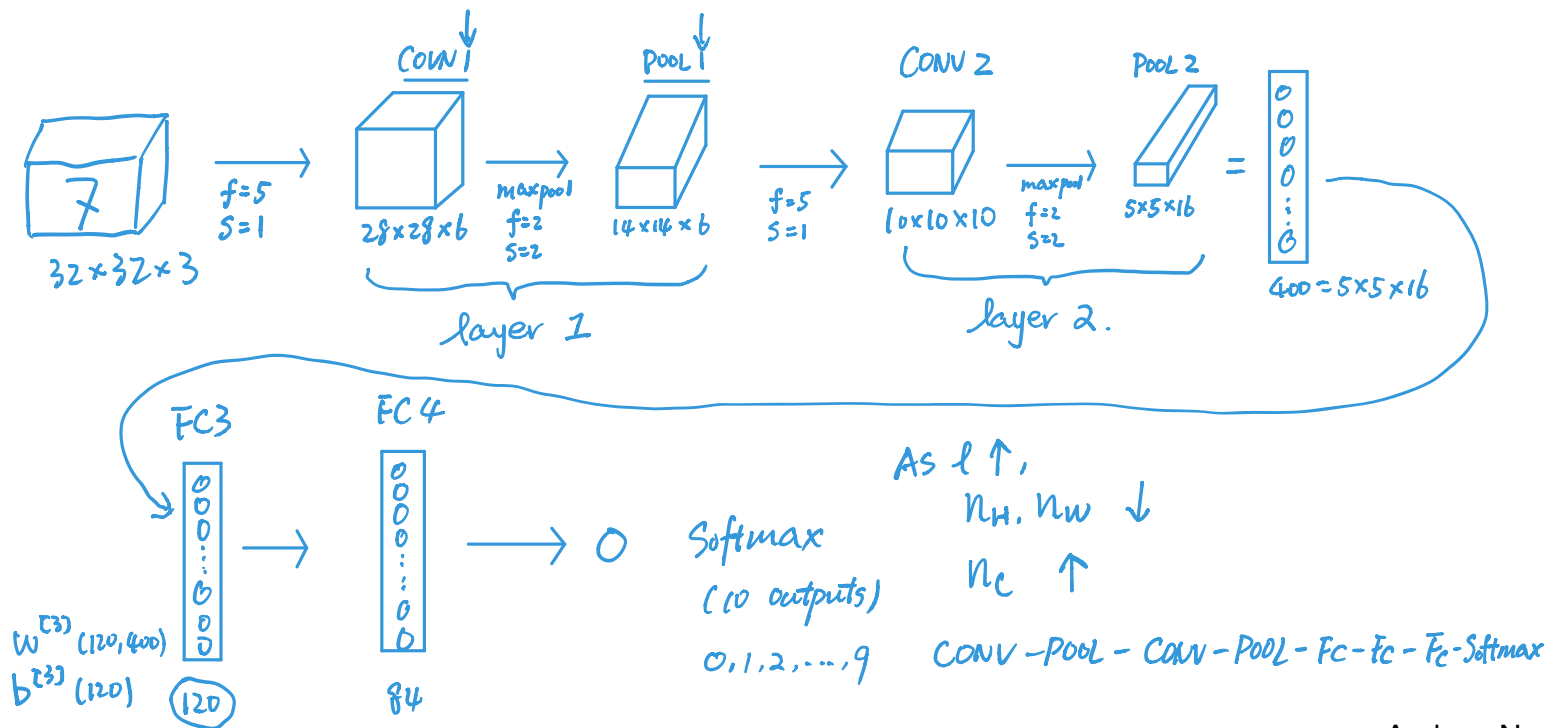


deeplearning.ai

Convolutional Neural Networks

Convolutional neural network example

Neural network example (LeNet-5)



Neural network example

	Activation shape	Activation Size	# parameters
Input:	(32,32,3)	3,072 $a^{[0]}$	0
CONV1 ($f=5, s=1$)	(28,28,8)	6272	208 ←
POOL1	(14,14,8)	1568	0 ←
CONV2 ($f=5, s=1$)	(10,10,16)	1600	416 ←
POOL2	(5,5,16)	400	0 ←
FC3	(120,1)	120	48001 } 10,081 }
FC4	(84,1)	84	
Softmax	(10,1)	10	841