

players

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A private kahoot				
Questions (10)				
1 - Quiz CNNs are commonly preferred over MLPs when dealing w	vith 30 sec			
image data	✓			
time-series data	✓			
tabular data	×			
video data	✓			
2 - Quiz What was the first 2D convolutional neural network that using backpropagation?	was trained 20 sec			
LeNet 5	✓			
AlexNet	×			
ResNet	×			
Neocognitron	×			

3 - Qu Cros	s-correlation vs convolution:	30 sec
	Makes no difference for performance of a learning algorithm	✓
•	Does not differ mathematically	×
	Cross-correlation always acts locally while convolution acts globally	×
	Cross-correlation and convolution always act globally	X
4 - Qu For C	viz CNNs, which of the following is/are true?	30 sec
	The receptive field increases as we move towards the output layers	✓
•	The receptive field decreases as we move towards the output layers	×
	Complex objects and features are detected closer to the input	×
	Edges and simpler features are detected closer to the input	✓
	iz t is the output volume of a 2D convolution of a 32 × 32 × 3 input me with a 5 × 5 filter (stride 1, pad 2)?	30 sec
	32 × 32 × 1	✓
•	36 × 36 × 1	×
	28 × 28 × 3	×
	31 × 31 × 3	×

6 - Quiz # trainable parameters of a 2D convolution of a 32 × 32 × 3 input volume with a 5 × 5 filter (stride 1, pad 2)?		30 sec
26	(5×5+1)	×
1.0	24 (32 × 32)	×
76	(5×5×3+1)	✓
3.1	46.752 ((32 × 32 × 3 + 1) × (32 × 32))	×
7 - Quiz In "valid with stric	convolution", what padding is used in an FxF convolution de 1?	30 sec
(F-	٦)/2	×
F-1		×
• F		×
0		✓
8 - Quiz # trainab	le parameters of a convolutional layer increases when	30 sec
ind	creasing the padding	×
de	creasing the stride	×
ind	creasing the filter size	~
ind	creasing the # filters	✓

9 - Qu Whic	iz th of the following can be used for upsampling?	30 sec
	pooling	×
•	transposed convolutions	✓
	1x1 convolutions	×
	grouped convolutions	×
10 - Qu How	uiz many parameters are learned in a pooling layer?	20 sec
	0	✓
•	1	×
	Equal to size of input volume	×
	Equal to size of output volume	X