Kahoot!

Deep Learning

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A private kahoot

Questions (11)

1 - True or false

Regression probleme must always take a linear function 10 sec

- True ✗
- False ✓

2 - True or false

f(x) = $x_1^2 + x_2^2$ is a valid function for classification tasks 10 sec

- True ✓
- False ✗

3 - True or false

A node in neural network is a weigted summation of inputs 10 sec

- True ✓
- False ✗

4 - Quiz

If $\varphi(x) = x$ then which of these activation function fits this definition.

10 sec

- Sigmoid ✗
- Tangent hyperbolic ✗
- ReLU ✓
- Softmax ✗

5 - True or false

Vanishing and Exploding gradient a typical problem for a regular neural network.

10 sec

- True ✗
- False ✓

6 - Quiz

What is the prime reason for the Vanishing gradient problem in deep learning?

10 sec

- Use of ReLU function ✗
- Use of sigmoid activaton function ✓
- Large weight initilisation ✗
- Use of Backpropagation ✗

7 - Quiz

What is the prime reason for Exploding gradient problem in deep learning?

10 sec

- Use of ReLU function ✗
- Use of sigmoid activaton function ✗
- Large weight initilisation ✓
- Use of Backpropagation ✗

8 - Quiz

Which is NOT a layer in Convolutional Neural Network

10 sec

- Convolution layer ✗
- Pooling layer ✗
- Dense Layer ✗
- Hyperparamter layer ✓

9 - Quiz

Which of these is NOT a typical hypererparameter of a Convolution layer

10 sec

- Number of filters K ✗
- Stride S ✗
- Dimention of Input Image ✓
- Amount of zero padding P ✗

10 - True or false

Pooling is essentially a down sampling method

10 sec

True ✓

False ✗

11 - True or false

The last layer in a Convolution Neural Network is a Dense Layer

10 sec

True ✓

False ✗