Dashboard / My courses /	2223S / COSC-247-	-2223S / Thursday,	April 27 / Quiz #10
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Started on	Friday, April 28, 2023, 2:47 PM
State	Finished
Completed on	Friday, April 28, 2023, 3:06 PM
Time taken	19 mins 4 secs
Points	10.00/10.00
Grade	100.00 out of 100.00
Question 1 Correct	
1.00 points out of 1.00	

The most common uses of recurrent neural networks are for learning from $% \left(1\right) =\left(1\right) \left(1\right) \left($

Select one:

- o images.
- o imbalanced datasets.
- sequential data.
- o experience, by trial and error.
- onoisy data.
- an initial state produced by clustering.
- O datasets containing many identical examples.

Your answer is correct.

The correct answer is: sequential data.

Question 2	
Correct	
1.00 points out of 1.00	
In a recurrent neural network	
Calcutance	
Select one:	
○ outputs from one layer can be fed back as inputs to earlier layers.	
 learning focuses on incorrectly categorized inputs, using a process implemented by arranging for the incorrectly categorized inputs to recur more frequently in training sequences. 	
 layers close to the outputs are forced to replicate values close to the inputs, so that latent representations recur at least once before outputs are produced. 	
 recursion is used rather than iteration for processing all of the layers, both for computing output and for error backpropagation. 	
Your answer is correct. The correct answer is: outputs from one layer can be fed back as inputs to earlier layers.	
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Your answer is correct.

The correct answer is: "convolutional neural networks."

Question 4
Correct
1.00 points out of 1.00
Which of the following refers to a popular kind of recurrent neural network?
Select one:
support vector machine
 long short-term memory
fibonacci heap
convolutional neural network
multilayer perceptron
regressive induction
 dropout machine
 linear regression
Your answer is correct.
The correct answer is: long short-term memory
Question 5 Correct
1.00 points out of 1.00
Which of the following statements is not true for multilayer perceptrons?
······································
Select one:
They can include hidden nodes that compute learned features.
They may use a sigmoidal logistic activation function.
 When used for classification, they can distinguish classes that are not linearly separable.
lacksquare Their hidden nodes must all produce outputs of -1 or $1.$
They can be used for regression.

Your answer is correct.

The correct answer is: Their hidden nodes must all produce outputs of $-1\,\mathrm{or}\,1.$

Question 6
Correct
1.00 points out of 1.00
Dropout is used in deep neural networks for
Select one:
 preventing exploding gradients.
argmax encoding.
o softmax encoding.
opreventing vanishing gradients.
 standardization.
 early stopping, to decrease training time.
□ regularization. ✓
Your answer is correct.
The correct answer is: regularization.
The correct answer is regularization.
Question 7
Correct
1.00 points out of 1.00
The configuration of a neural network, including the number of layers that it contains and the activation functions that it uses, are
referred to as the network's
Select one:
○ "framework."
convolution."
• "fit."
"scaffolding."
□ "architecture."▼
□ "architecture."□ "recurrence."
"recurrence."
"recurrence.""profile."
"recurrence."
"recurrence.""profile."
"recurrence.""profile.""silhouette."
"recurrence.""profile."

Question O
1.00 points out of 1.00
1.00 points out of 1.00
ReLU is
Select one:
 only used for symbolic regression.
a recurrent neural network architecture.
 usually used for inferring missing data values.
an activation function.
a regularization term.
a standardization method.
a type of neural network using recency loss units.
an alternative to garbage collection.
Your answer is correct.
The correct answer is: an activation function.
Question 9
Correct
1.00 points out of 1.00
Which of the following is not an example of sequential data?
The state of the s
Select one:
 English poetry
 musical scores
○ DNA sequences
○ interest rates over time
measurements and species names for flowers

Your answer is correct.

The correct answer is: measurements and species names for flowers

Question 10		
Correct		
1.00 points out of 1.00		
The backpropagation algorithm		
Select one:		
is guaranteed to find the global minimum of the cost function.		
adjusts the weights in a multi-layer perceptron until the cost function increases, after which it backtracks.		
can only be used to train a classifier if the training data is linearly separable.		
adjusts the weights in the network layer by layer, from the outputs to the inputs.		
oran only be used to train shallow neural networks, with three or fewer layers.		
 will not terminate if any two training examples are identical. 		
Your answer is correct.		
The correct answer is: adjusts the weights in the network layer by layer, from the outputs to the inputs.		
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■ Slides from class		
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