Mini-Assignment: Key Techniques for Deep Learning

Due Apr 16 at 11:59pm **Points** 8 **Questions** 4
Available until Apr 17 at 2:59am **Time Limit** 40 Minutes
Allowed Attempts 2

This quiz was locked Apr 17 at 2:59am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	1 minute	8 out of 8

Score for this attempt: **8** out of 8
Submitted Apr 16 at 10:47pm
This attempt took 1 minute.

Question 1

2 / 2 pts

Which option below describes the process of learning in the context of a fixed neural network architecture?

Correct!

- (•) Adapting the weights in response to different input output pairs
- ( ) Adapting the input to fit the desired output
- ( ) Manually updating the various weights
- ( ) Finding new connections in the neural network architecture

Question 2

2 / 2 pts

What does a neuron compute?

- An activation function followed by a linear function (z = Wx + b)

Correct!

- A linear function followed by an activation function
- Only the activation function
- The mean and standard deviation of input features followed by an activation function

Question 3

2 / 2 pts

In a 2-D convolutional neural network (CNN), what does the number of kernels define?

- The number of output values
- The number of input pixels

Correct!

- The number of feature maps
- The number of layers

Question 4

2 / 2 pts

_____ is an example of an unsupervised neural network, while _____ should be used if the input is a sequence in time.

- Recurrent Neural Network, Autoencoder
- Recurrent Neural Network, Convolutional Neural Network
- Convolutional Neural Network, Autoencoder

Correct!

- (selected) Autoencoder, Recurrent Neural Network

Quiz Score: **8** out of 8