NPTEL » Introduction to Machine Learning (IITKGP) Announcements

**About the Course** 

Ask a Question

Progress

Mentor

2 points

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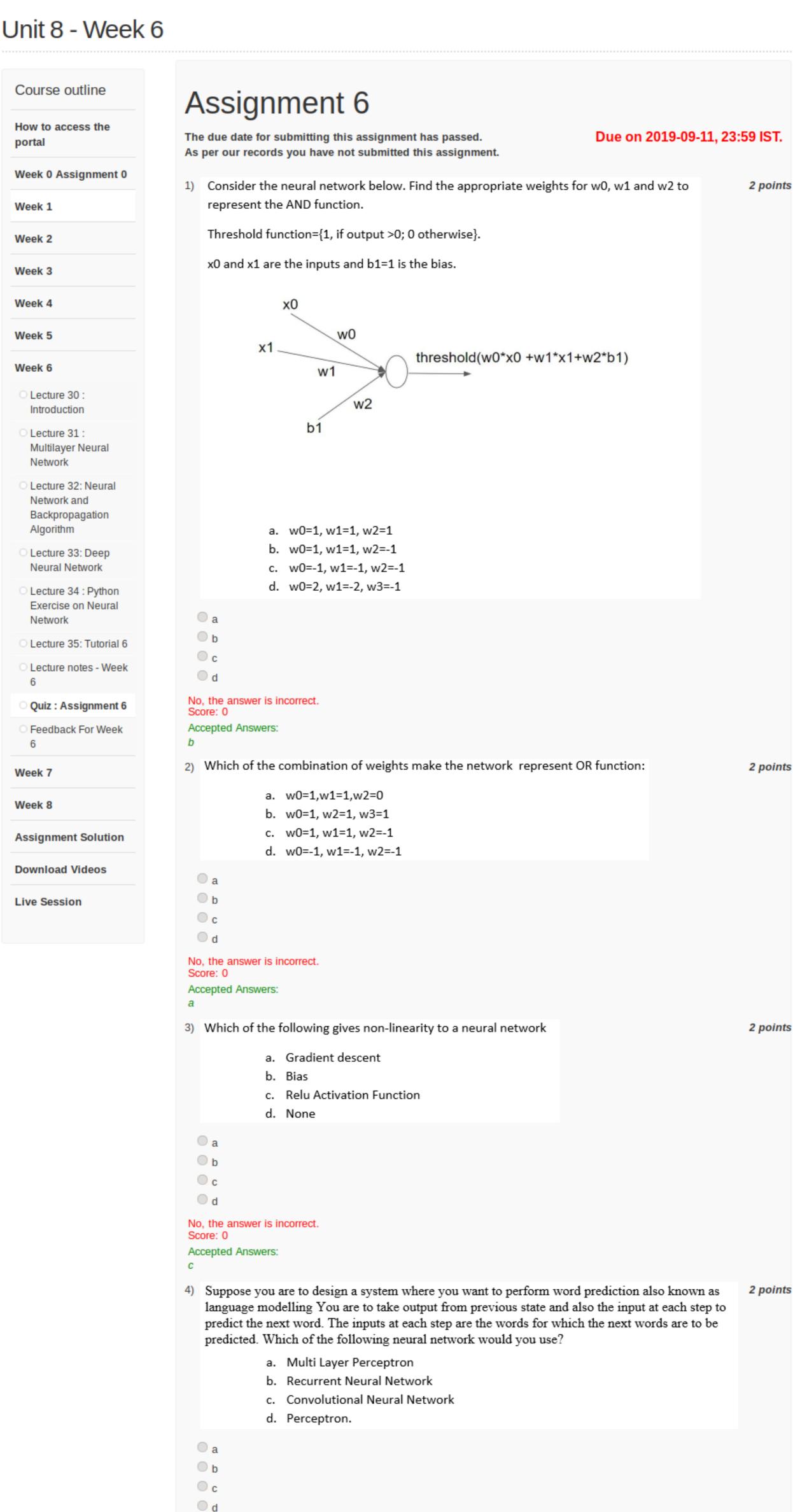
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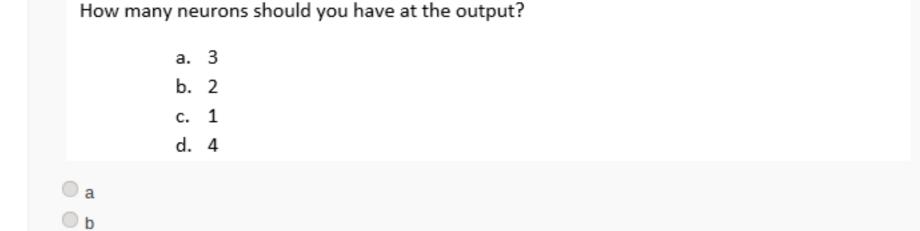
portal

Week 3

Week 6

Week 7





You are given the task of predicting the price of a house given the various features for a house

For a fully-connected deep network with one hidden layer, increasing the number of hidden

No, the answer is incorrect.

units should have what effect on bias and variance?

d. No change

such as number of rooms, area(sq ft), etc.

output layer for the task given in Question 6?

a. Sigmoid

c. Softmax

b. Relu

a. Decrease bias, increase variance

b. Increase bias, increase variance

c. Increase bias, decrease variance

Accepted Answers:

Score: 0

a

b

c

d

Score: 0

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Score: 0

a

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Score: 0

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Accepted Answers:

No, the answer is incorrect.

Accepted Answers:

operations.

No, the answer is incorrect.

Accepted Answers:

No, the answer is incorrect.

Accepted Answers:



7) Which one of the following activation functions can be used as an activation function at the

No, the answer is incorrect. Score: 0 Accepted Answers: 9) A Convolutional Neural Network (CNN) for an image classification task has the following

8) What should be the loss function used to train the model given in Question 6?

a. Multi-Class Cross-Entropy Loss

b. Mean Squared Error

Max Pooling

2) Convolution Operation

c. Binary Cross-Entropy Loss

3) Flatten Fully Connected Layer Identify the correct sequence from the options below: a. 4,3,2,1 b. 2,1,3,4 c. 3,1,2,4 d. 4,2,1,3  $\bigcirc$  a b ○ c

10) A vanilla autoencoder is a Neural Network architecture used to create lower dimensional input representation. Which of the following statements are true about it? a. It is an unsupervised algorithm b. It can generate new data by learning the probability distribution c. Its target output is the input

d. Autoencoders have linear encoder and decoder

No. the answer is incorrect.