Assignment 5

The due date for submitting this assignment has passed.

Due on 2019-06-04, 23:59 IST.

1. "The derivative of $e^{-x}$ is $-e^{-x}$. 
   
   a) $-e^{-x}$  
   
   b) $e^{-x}$  
   
   c) 0  
   
   d) None of the above

   Yes, the answer is incorrect. 
   Status: Failed

2. The size of the input layer is 4. 
   
   True  
   
   False

   Yes, the answer is incorrect. 
   Status: Failed

3. What is the net value $b$ of the hidden layer? 
   
   -0.17  
   
   0.17  
   
   -3.1  
   
   3.1

   Yes, the answer is incorrect. 
   Status: Failed

4. What is the value of $b$ rounded to 2 decimals, if $b = -0.17$? 
   
   -0.17  
   
   0.17  
   
   -3.1  
   
   3.1

   Yes, the answer is incorrect. 
   Status: Failed

5. In the CRNN ANN Model, context words are predicted. 
   
   True  
   
   False

   Yes, the answer is incorrect. 
   Status: Failed

6. In the CRNN ANN Model, context words are input as feature vectors. 
   
   True  
   
   False

   Yes, the answer is incorrect. 
   Status: Failed

7. In CRNN and CBOW ANN models, the input layer size is equal to the output layer size. 
   
   True  
   
   False

   Yes, the answer is incorrect. 
   Status: Failed

8. In the word2vec model, posterior probability of words in the vocabulary are obtained as the predicted output. 
   
   True  
   
   False

   Yes, the answer is incorrect. 
   Status: Failed

9. What would be the size of the output layer for the word2vec model, if the information given above (ANN info) is used in designing the network? 
   
   2  
   
   3  
   
   4  
   
   Can be of any size

   Yes, the answer is incorrect. 
   Status: Failed

10. Consider the following information in addition to the information given above (ANN info). 

    $\begin{align*}
    w^T = [0.1 0.1 0.1 0.1] \\
    p^T = [0.3 0.5 0.2 0.0]
    \end{align*}$

    Use the value of $\theta$ obtained in question 6 to compute net output. The value of $\theta = 0.36 0.07 0.63 0.32$.

    True  
    
    False

    Yes, the answer is incorrect. 
    Status: Failed