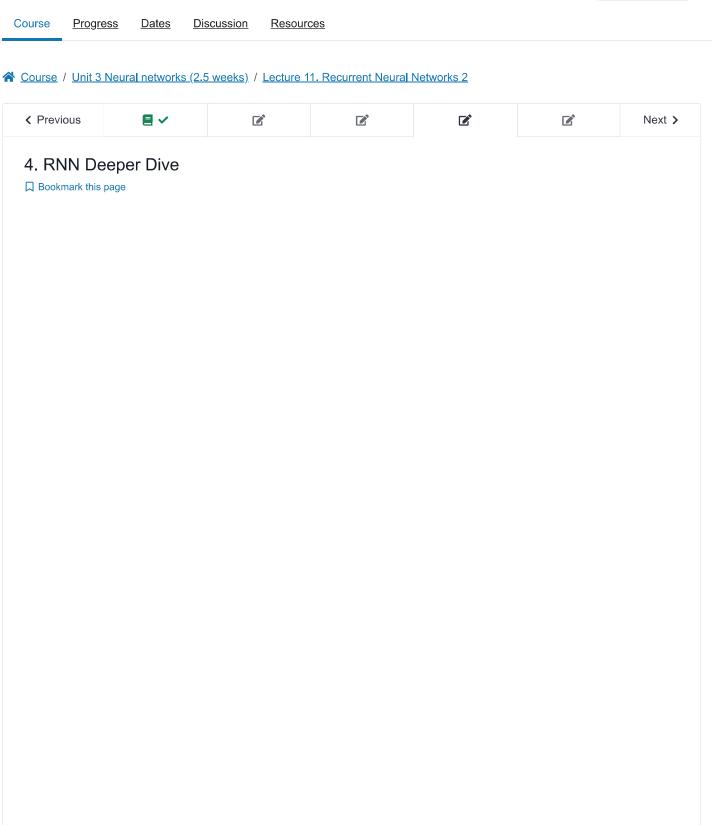
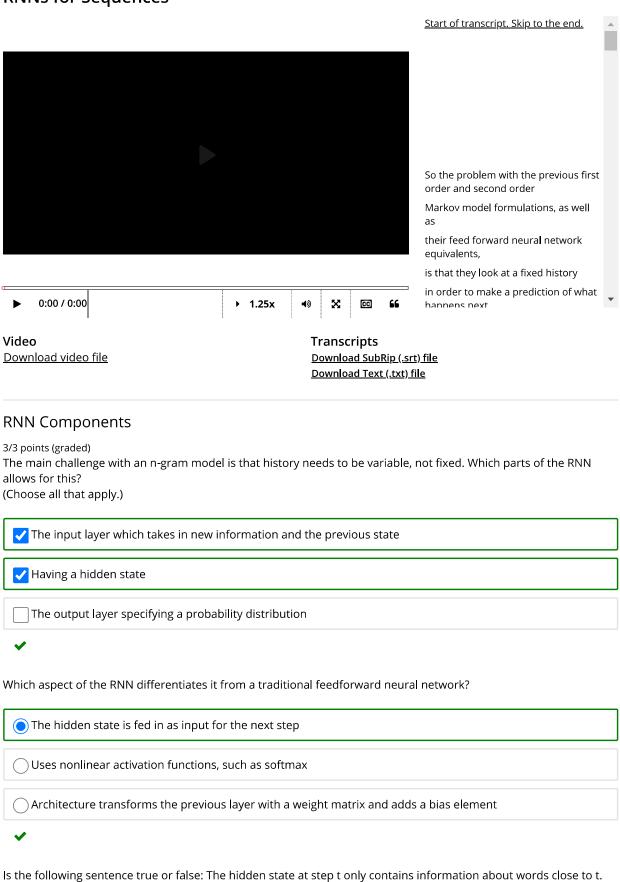


Help smitha_kannur ▼



RNNs for Sequences



□ □ □ □

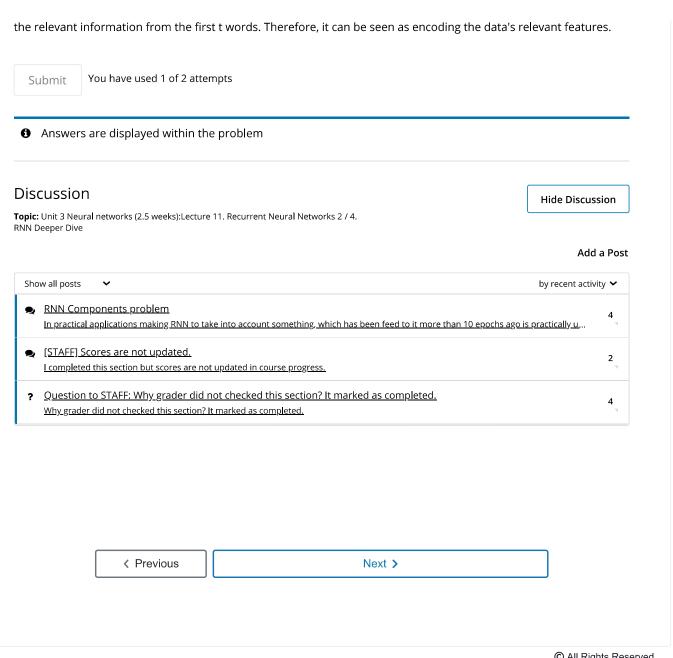
) True

~	
Solution:	
	takes in the previous state which allows history to propagate, and hidden state contains the "history" The output layer,however, simply predicts an output.
	erence between an RNN and NN is that an RNN takes in its previous state as input, making it th use hidden layers, and have output probability distributions.
	which parts of the sentence are relevant, which could be anywhere in the sentence. Theoretically, the ould only contain information about the first word if that determined the target value.
Submit	ou have used 1 of 2 attempts
1 Answers a	are displayed within the problem
RNN Outpu	ıts
3/3 points (grade Let $p_t=\mathrm{softn}$	d) $\max \left(W^o * s_t ight)$. What function does W^o serve?
Transforn	ning the result into a probabilitity distribution
Encoding	the data's relevant features
● Extracting	the relevant features for a prediction
✓	
What function (does s_t serve?
Transforming the result into a probabilitity distribution	
Encoding	the data's relevant features
Extracting	the relevant features for a prediction
✓	
What function	does $softmax$ serve?
Transforming the result into a probabilitity distribution	
Encoding	the data's relevant features
○ Extracting	the relevant features for a prediction

Solution:

raise

 W^o is the weight matrix that is multiplied by the current state to produce a prediction. Therefore, its role can be seen as extracting relevant features for a prediction. In the lecture video, softmax is shown to create a probability distribution. It requires all values to be nonnegative and sum to 1. s_t is the state vector at time t, which contains all



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