Congratulations! You passed!

∠⁷ Expand

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Go to next item

	T. (Tab.) Comments of the definition of the second	and Thomas the combined discourse	
1.	True/False: Suppose you learn a word embedding for a vocabulary of 20000 we could be 1000 dimensional, so as to capture the full range of variation and mea		1/1 point
	○ False		
	True		
	∠ ⁷ Expand		
	 Correct The dimension of word vectors is usually smaller than the size of the voc word vectors range between 50 and 1000. 	abulary. Most common sizes for	
2.	True/False: t-SNE is a linear transformation that allows us to solve analogies or	word vectors.	1/1 point
	False		
	○ True		
	∠ ⁷ Expand		
	 Correct tr-SNE is a non-linear dimensionality reduction technique. 		
3.	 Suppose you download a pre-trained word embedding which has been trained on a huge corpus of text. You then use this word embedding to train an RNN for a language task of recognizing if someone is happy from a short snippet of text, using a small training set. 		
	x (input text)	y (happy?)	
	x (input text) I'm feeling wonderful today! I'm bummed that my cat is ill.	y (happy?) 1	
	I'm feeling wonderful today!	1	
	I'm feeling wonderful today! I'm bummed that my cat is ill.	1 0 1	
	I'm feeling wonderful today! I'm bummed that my cat is ill. Really enjoying this! True/False: Then even if the word "upset" does not appear in your small trainir	1 0 1	
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. Let A be an embedding matrix, and let a_{4567} be a one-hot vector corresponding to word 4567. embedding of word 4567, why don't we call $A*a_{4567}$ in Python?	Then to get the 0/1 poin
$\ igotimes$ The correct formula is $A^T * o_{4567}$	
This doesn't handle unknown words (<unk>).</unk>	
It is computationally wasteful.	
None of the answers are correct: calling the Python snippet as described above is fine.	
∠ Expand	
When learning word embeddings, we create an artificial task of estimating $P(target \mid conte$ we do poorly on this artificial prediction task; the more important by-product of this task is that set of word embeddings. $ \hline $	
∠ ⁷ Expand	
○ Correct	
c is a sequence of several words immediately before t c is the one word that comes immediately before t a c and \$\$1\$\$ are chosen to be nearby words.	
∠ [™] Expand	·
⊘ Correct	
⊙ Correct	
	ngs. The word2vec 1/1 poin
. Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t\mid c) = \frac{e^{q_{c}^{2}r_{c}}}{\sum_{k=0}^{\log n}e^{q_{c}^{2}r_{c}}}$	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t\mid c) = \frac{e^{q_t^2t_c}}{\sum_{j=00}^{1000}e^{p_t^2t_c}}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embedding model uses the following softmax function: $P(t \mid c) = \frac{e^{\frac{2}{4}\tau_c}}{\sum_{i=0}^{MD} e^{\frac{2}{4}\tau_c}}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t\mid c) = \frac{e^{q_t^2} r_c}{\sum_{j=00}^{1000} e^{q_t^2} r_c}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t\mid c) = \frac{e^{t_t^2t_c}}{\sum_{i=0}^{1000}e^{t_i^2t_c}}$ Which of these statements are correct? Check all that apply. $\qquad \qquad \qquad$	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t \mid c) = \frac{e^{\theta_t^2} t_e}{\sum_{i=0}^{MN} e^{\theta_t^2} e^{it}}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embeddin model uses the following softmax function: $P(t\mid c) = \frac{e^{ijt}_{c}}{\sum_{i=1}^{c}e^{ijt}_{c}}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin
Suppose you have a 10000 word vocabulary, and are learning 500-dimensional word embedding model uses the following softmax function: $P(t \mid c) = \frac{e^{i t} \cdot \epsilon}{\sum_{k=0}^{ C } e^{i t} \cdot \epsilon}$ Which of these statements are correct? Check all that apply.	ngs. The word2vec 1/1 poin

 $\min \sum_{i=1}^{10,000} \sum_{j=1}^{10,000} f(X_{ij}) (\theta_i^T e_j + b_i + b_j - \log X_{ij})^2$ True/False: X_{ij} is the number of times word j appears in the context of word i.

① True	
○ False	
∠ [∧] Expand	
\bigodot correct X_{ij} is the number of times word j appears in the context of word i .	
You have trained word embeddings using a text dataset of t_1 words. You are considering using these word embeddings for a language task, for which you have a separate labeled dataset of t_2 words. Keeping in mind that using word embeddings is a form of transfer learning, under which of these circumstances would you expect the word embeddings to be helpful? When t_1 is smaller than t_2	1/1 point
\bigcirc When t_1 is equal to t_2	
$\begin{tabular}{l} egin{picture}(10,0) \put(0,0){\line(0,0){100}} \put(0$	
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