◎ 축하합니다! 통과하셨습니다!

받은 학점 90% **최신 제출물 학점** 90% **통과 점수:** 80% 이상

다음 항목으로 이동

1.	Suppose you learn a word embedding for a vocabulary of 10000 words. Then 10000 dimensional, so as to capture the full range of variation and meaning in		1/1점
	False		
	○ True		
	✓ 더보기		
	 ♡ 맛습니다 		
	The dimension of word vectors is usually smaller than the size of the vocabulary, Most common sizes for word vectors range between 50 and 1000.		
2.	True/False: t-SNE is a linear transformation that allows us to solve analogies on word vectors.		1/1점
	False		
	○ True		
	₹ 대보기		
	● 맞습니다 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 1/18 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?)	
	I'm feeling wonderful today! I'm bummed my cat is ill.	0	
	Really enjoying this!		
	Then even if the 'word "ecstatic" does not appear in your small training set, your RNN might reasonably be expected to recognize "I'm ecstatic" as deserving a label $y=1$.		
	True		
	○ False		
	₹ ² 더보기		
	 ※発出日 Yes, word vectors empower your model with an incredible ability to generalize. The vector for "ecstatic" 		
	would contain a positive/happy connotation which will probably make as a "1".	your model classify the sentence	
4.	Which of these equations do you think should hold for a good word embedding? (Check all that apply)		
	$C_{max} - c_{noman} \approx c_{ling} - c_{quern}$		
	✓ Correct The order of words is correct in this analogy.		
	$-e_{max} - e_{bing} \approx e_{perm} - e_{noman}$		
	$\ensuremath{ igself Q } = e_{man} - e_{blog} pprox e_{weensn} - e_{queen}$		
	Correct The order of words is correct in this analogy.		
	□ commen = Commen ≈ Coperon = Ching		
	$c_{man} - c_{woman} \approx c_{quoen} - c_{king}$		
	□ $c_{max} - c_{coman} \approx c_{quoen} - c_{bing}$ $\swarrow^{p} \subseteq \boxtimes 7$		
	✓* 더보기 ⊙ 맛합니다		
5.	② 영화되다 Great, you got all the right answers. Let E be an embedding matrix, and let o₁234 be a one-hot vector correspond	ing to word 1234. Then to get the	1/1점
5.	☑ 《 대보기 ⊙ 됐습니다 Great, you got all the right answers.	ing to word 1234. Then to get the	1/18
5.	ু বেছন \sim বেছন \sim প্রকাশে \sim প্রকাশে \sim	ing to word 1234. Then to get the	1/18
5.	୍ରି ଅଧ୍ୟ ପ୍ରଧା (See Light answers.) Let E be an embedding matrix, and let σ_{1234} be a one-hot vector correspondent bedding of word 1234, why don't we call $E * \sigma_{1234}$ in Python? This doesn't handle unknown words (*UNK*).	ing to word 1234. Then to get the	1/12
5.	© RELIG Great, you got all the right answers. Let £ be an embedding matrix, and let o₁254 be a one-hot vector correspondembedding of word 1294, why don't we call £ * o₁254 in Python? ☐ This doesn't handle unknown words (<unks). above="" above:="" as="" calling="" described="" fine.<="" is="" none="" of="" python="" snippet="" td="" the="" ☐=""><td>ing to word 1234. Then to get the</td><td>3/18</td></unks).>	ing to word 1234. Then to get the	3/18
5.	✓ ELM 7 ○ NOLUCI Great, you got all the right answers. Let E be an embedding matrix, and let 0/254 be a one-hot vector correspondence of the word 1254, why don't we call E* 0/154 in Python? ○ This doesn't handle unknown words (*UNK*). ○ None of the above: calling the Python snippet as described above is fine. ⑥ It is computationally wasteful. ○ The correct formula is E ^{T*} * 0/154	ing to word 1234. Then to get the 🛔	1/18
5.	© 15 M2 H2 Great, you got all the right answers. Let E be an embedding matrix, and let 01231 be a one-hot vector correspondent bedding of word 1234, why don't we call E* 01231 in Python? This doesn't handle unknown words (<unkc>). None of the above calling the Python snippet as described above is fine. (a) It is computationally wasteful.</unkc>	ing to word 1234. Then to get the	1/12
5.	☑** E M → I ☑** M → I UP Great, you got all the right answers. Let E be an embedding matrix, and let o 1331 be a one-hot vector correspondent of the state of 1331, why don't we call E * o 1331 in Python? ☐ This doesn't handle unknown words (*UNK*). ☐ None of the above: calling the Python snippet as described above is fine. ⑥ It is computationally wasteful. ☐ The correct formula is EF* * o 1331	ing to word 1234. Then to get the	1112
	✓ ELM I ○ NGLICI Great, you got all the right answers. Let E be an embedding matrix, and let 0 ₁₂₃₄ be a one-hot vector correspondence of the control of the		
	学会は日 Great, you got all the right answers. Let E be an embedding matrix, and let oj254 be a one-hot vector correspondence of the above call got word 1254, why don't we call E * oj254 in Python? This doesn't handle unknown words (*UNK-). None of the above calling the Python snippet as described above is fine. 1 It is computationally wasteful. The correct formula is E ^T * oj254	(target context), it is okay if	1/18
	☑ NGLICH Great, you got all the right answers. Let E be an embedding matrix, and let open be a one-hot vector correspondent embedding of word 1234, why don't we call E * open in Python? This doesn't handle unknown words (*UNK*). None of the above: calling the Python snippet as described above is fine. ③ It is computationally wasteful. The correct formula is E ^{T**} opta ✓ CBUR Yes, the element-wise multiplication will be extremely inefficient. When learning word embeddings, we create an artificial task of estimating P we do poorly on this artificial prediction task; the more important by-producents to the more important by-producents.	(target context), it is okay if	
		(target context), it is okay if	

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