Summarization and simplification

Quiz, 5 questions

~	Congratulations! You passed!	Next Item
\	1 / 1 point	
	type of information is not used for evaluation in machine translation (e.g. in BLE tion in simplification task (e.g. in SARI score)?	EU score), but is used for
	System output	
	System input	
Corr Bing		
	Human reference	
~	1 / 1 point	
	consider a simplification task and denote an input by I , a reference by R , and a sed several types of operations for simplification. How would you compute a presion?	
	$ O\cap I\cap R \ O\cap I $	
Corr Exa		
	$rac{ O\cap I\cap R }{ I\cap R }$	
	$ O\cap ar{I}\cap R $	
	$ O\cap ar{I} $	

Summarization and simplification

Qu_{Z}^{3} , 5 questions

In the summarization video we talked about attention distribution and denoted its elements as p_i^j . How are they normalized?



They sum to 1 over all positions of an input sentence: $\sum_i p_i^j = 1$.

Correct

True!

- On They sum to 1 over all positions of an output sentence: $\sum_j p_i^j = 1.$
- They are logits, we need to apply softmax to get the normalization constraint.



2/2 points

4.

Imagine you have trained an encoder-decoder-attention model to generate a text summary. Let's say you have a vocabulary [big, black, bug, bear] and the vocabulary distribution at some decoding moment is [0.3, 0.4, 0.1, 0.2].

Now, let us consider how it changes if we add the pointer part from the paper "Get to the point! Summarization with pointer-generator network" to be able to copy some input words.

Consider an input sentence: "a big black bug bit a big black bear". And the attention distribution [0.1, 0.1, 0.1, 0.1, 0.2, 0.1, 0.1, 0.1].

How will the final distribution look like, if the pointer network (copy distribution) is **weighted equally** with the generator network (vocabulary distribution)?

Enter the probability for "big".

0.25

Correct Response

The generator part gives you 0.3, the copy part gives you 0.2. So the final weighted probability is 0.5 * 0.3 * 0.5 * 0.2 = 0.25.



1/1 point Check the correct statements about the summarization models discussed in the video.

Summarization tandesimplifications of the input fragments.

Quiz, 5	questions
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Yes! We accumulate some scores about what have already been seen and try not to repeat ourselves.





