Congratulations! You passed!

Grade received 80% Latest Submission Grade 80%

To pass 80% or higher Go to next item

 A Transformer Network, unlike its predecessors RNNs, GRUs and LSTMs, can process entire sentences all at the same time. (Parallel architecture). 1/1 point

True

False



Commet

2. Transformer Network methodology is taken from:

1/1 point

- Attention Mechanism and CNN style of processing.
- Attention Mechanism and RNN style of processing.
- RNN and LSTMs
- GRUs and LSTMs

∠⁷ Expand

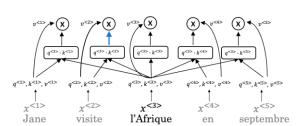
⊘ Correct

Transformer architecture combines the use of attention based representations and a CNN convolutional neural network style of processing.

3. How does the Self-Attention mechanism of transformers use neighboring words to compute a word's context?

1/1 point





- Selecting the maximum word values to map the Attention related to that given word.
- Multiplication of the word values to map the Attention related to that given word.
- Selecting the minimum word values to map the Attention related to that given word.
- Summation of the word values to map the Attention related to that given word.

∠⁷ Expand

⊘ Correct

Given a word, its neighboring words are used to compute its context by summing up the word values to map the Attention related to that given word.

4. What letter does the "?" represent in the following representation of Attention?

1/1 point

 $Attention(Q, K, V) = softmax(\frac{QK^T}{\sqrt{ds}})V$

(q

