Congratulations! You passed!

received 90%

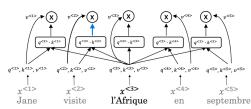
Latest Submission Grade 90%

To pass 80% or



1. A Transformer Network, unlike its predecessors RNNs, GRUs and LSTMs, can process entire sentences all at the same time. (Parallel architecture). 1/1 point ○ False True ≥⁷ Expand Ocrrect

A Transformer Network can ingest entire sentences all at the same time. 2. Transformer Network methodology is taken from: (Check all that apply) 1/1 point Convolutional Neural Network style of architecture. ✓ Correct Convolutional Neural Network style of processing. ∠ⁿ Expand Ocorrect
Great, you got all the right answers. 3. How does the Self-Attention mechanism of transformers use neighboring words to compute a word's context? 1/1 point



- O 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.

∠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?

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

() q

O v

(t

≥⁷ Expand







