

Keep Lear

Keep Learning

grade 100%

Transformers

LATEST SUBMISSION GRADE

100%

 A Transformer Network, like its predecessors RNNs, GRUs and LSTMs, can process information one word at a time. (Sequential architecture). 1/1 point

False

○ True

✓ Correct

Correct! 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

- None of these.
- ✓ Convolutional Neural Network style of processing.

✓ Correct

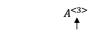
Attention mechanism.

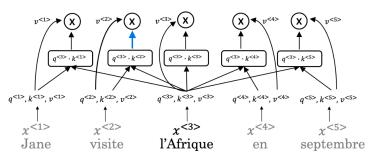
✓ Correct

Convolutional Neural Network style of architecture.

3. The concept of Self-Attention is that:

1 / 1 point





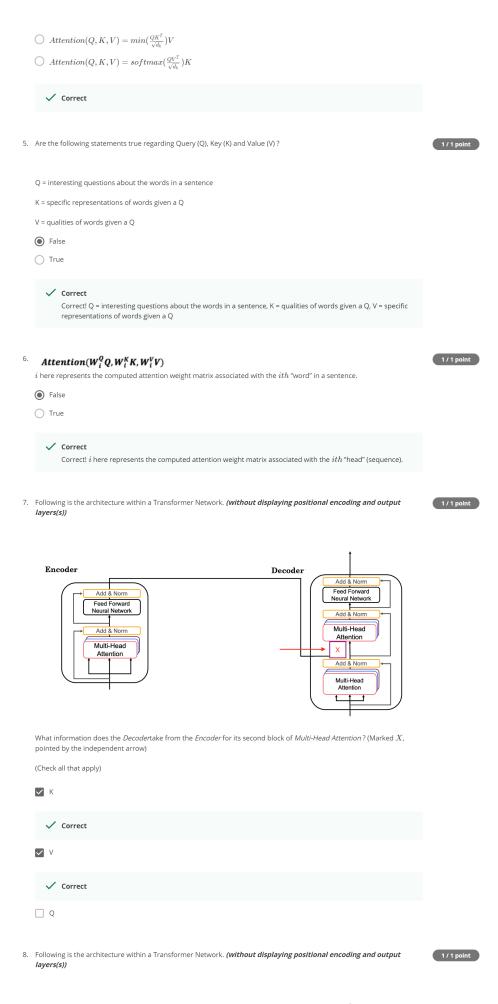
- Given a word, its neighbouring words are used to compute its context by selecting the lowest of those word values to map the Attention related to that given word.
- Given a word, its neighbouring words are used to compute its context by selecting the highest of those word values to map the Attention related to that given word.
- Given a word, its neighbouring words are used to compute its context by taking the average of those word values to map the Attention related to that given word.
- Given a word, its neighbouring words are used to compute its context by summing up the word values to map the Attention related to that given word.

✓ Correct

4. Which of the following correctly represents Attention?

1 / 1 point

- $\bigcirc Attention(Q, K, V) = min(\frac{QV^T}{\sqrt{d_k}})K$
- $igoplus Attention(Q, K, V) = softmax(\frac{QK^T}{\sqrt{d_k}})V$



Encoder Decoder

Y

