

HUMAN DATA ANALYTICS: LAB 6-7

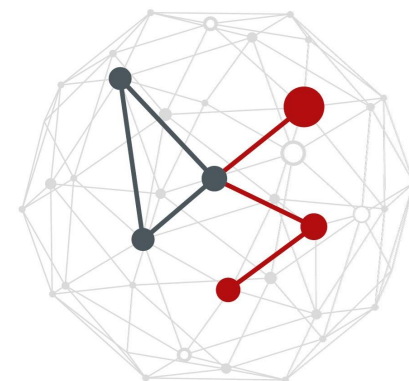
Instructor

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Lab. classes

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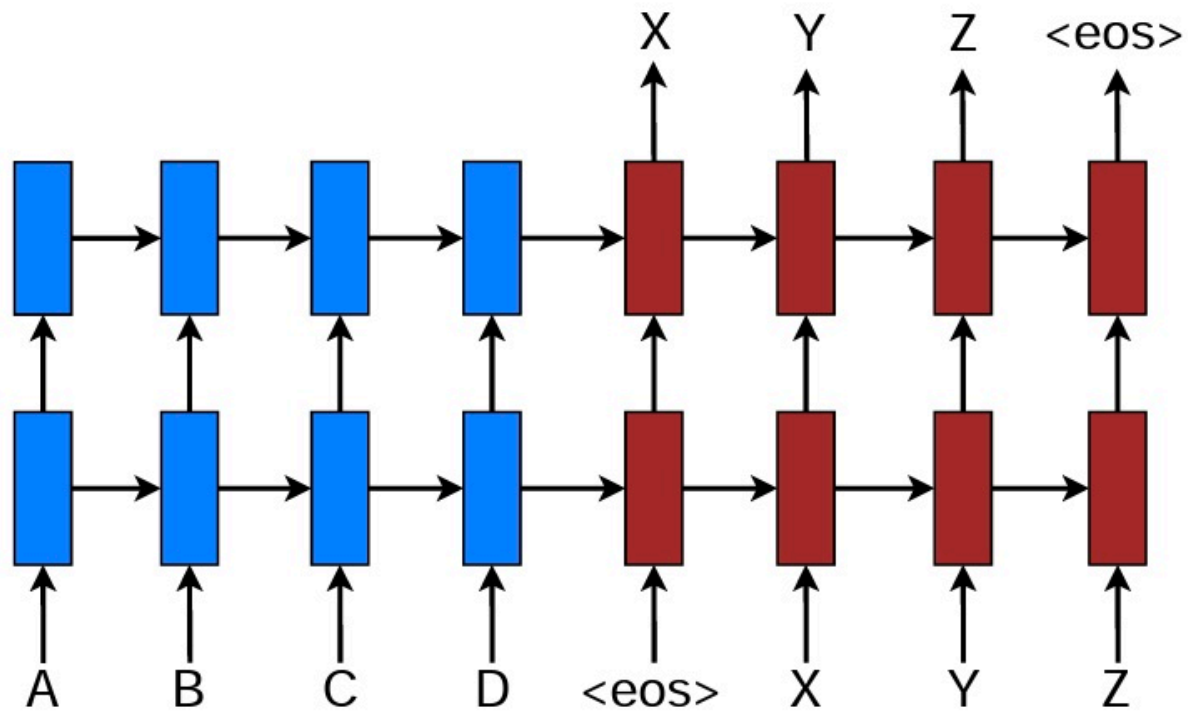
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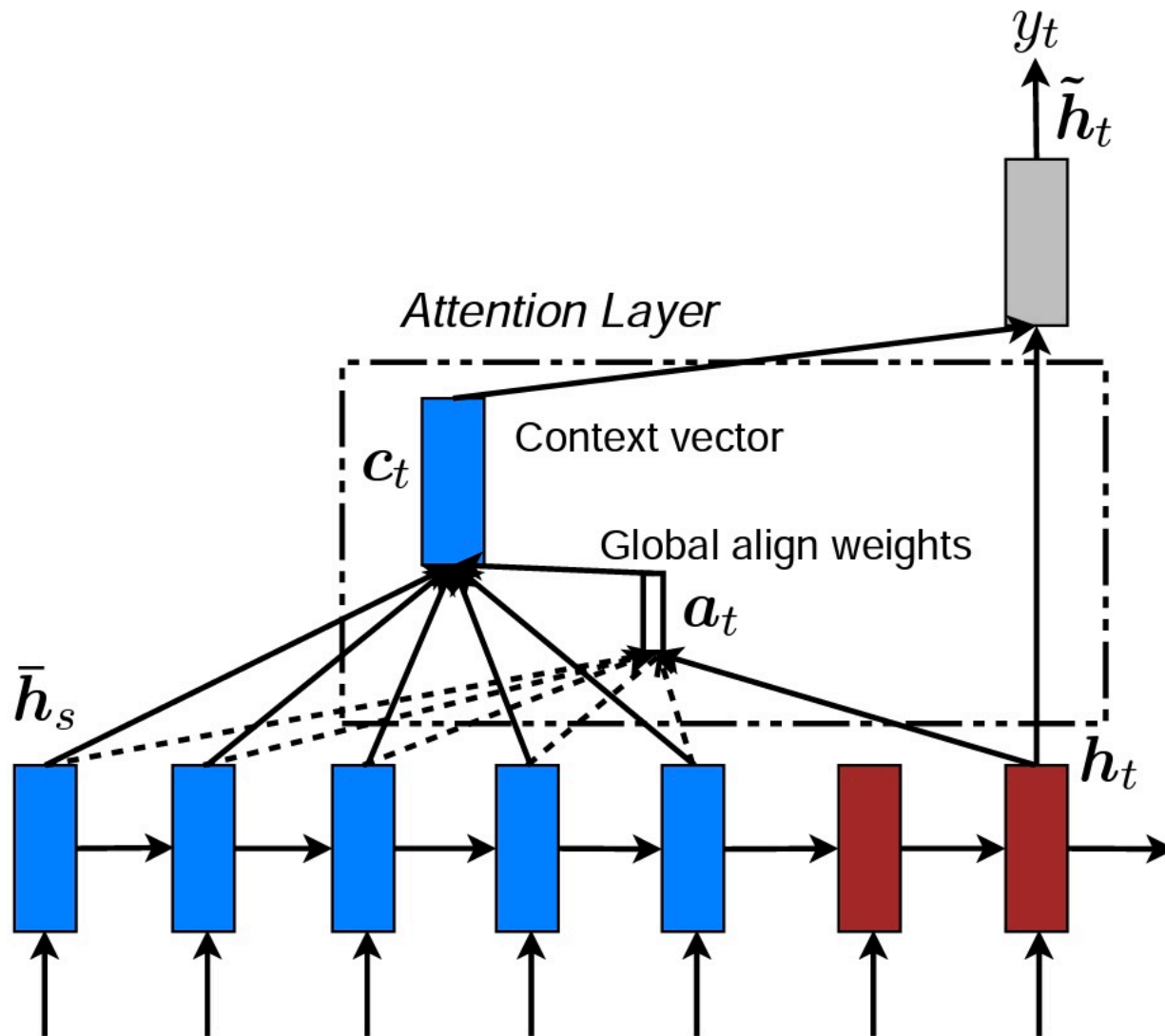
Lab 6-7

- Neural machine translation through seq2seq model with attention
 - TensorFlow/Keras
 - **The challenge:**
 - text translation from Italian to English
 - **You will learn to:**
 - create a custom layer by subclassing the `tf.keras.layers.Layer` class
 - create a custom model by subclassing the `tf.keras.layers.Model` class
 - build an attention layer and use inside the decode for text translation

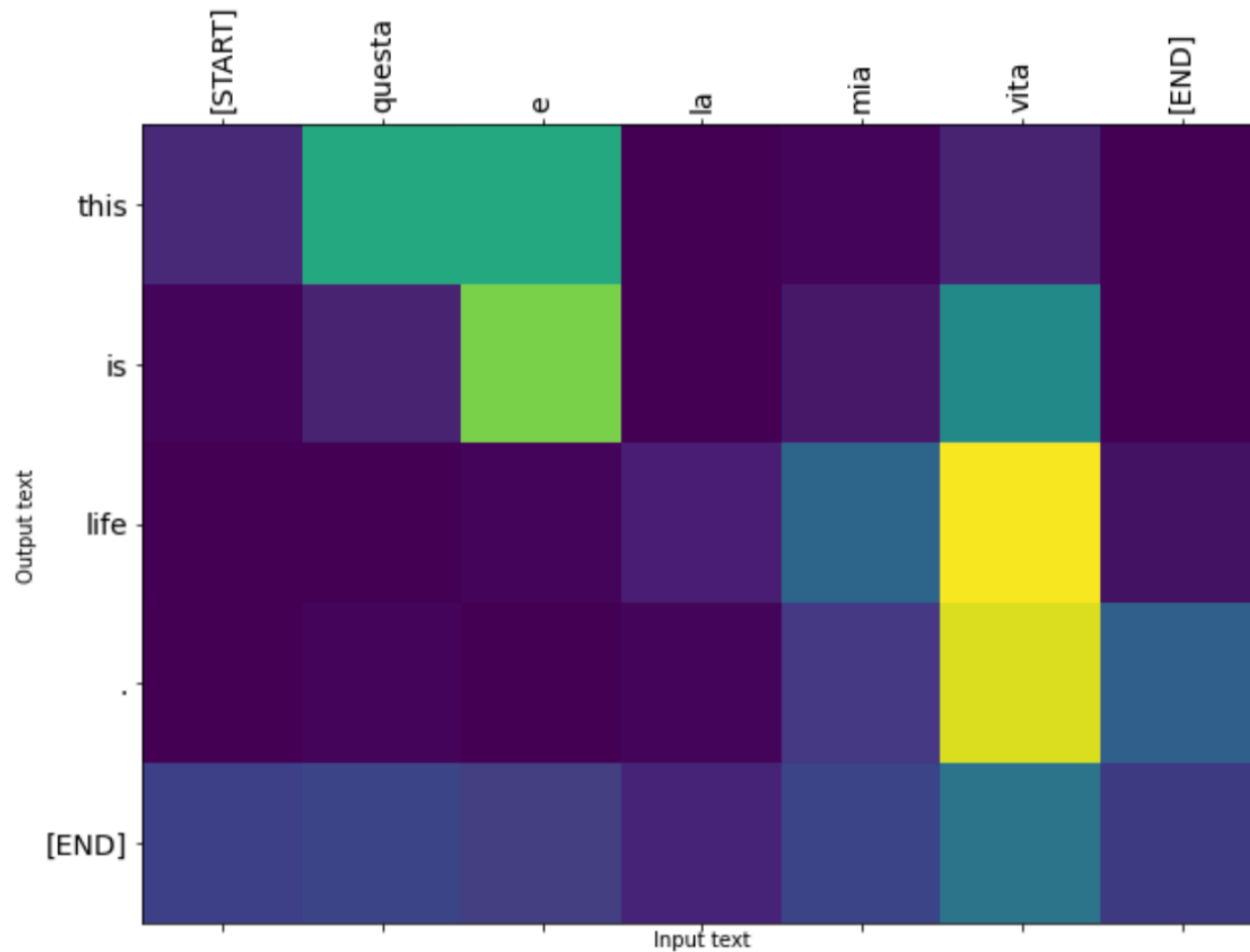
Seq2seq model



Seq2seq with attention



Example of attention



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