

Implementation Details

class EncoderLSTM

__init__(self, batch_size, units)

- **batch_size**: Input batch size
- **units**: The number of units to use for the encoder state and hidden layers.

Description: Initializes the EncoderLSTM layer with the appropriate batch size and the number of units to use.

build(self, input_shape)

- **input_shape**: The input shape of the inputs. In this instance, it is $[batch_size, sequence_length, embedding_dim]$ where:
 - **batch_size**: is the input batch size
 - **sequence_length**: is the number of words/time steps
 - **embedding_dim**: is the dimensionality of the input word embeddings

Description: Facilitates lazy execution by deferring weights' shape specification to be done at runtime(on the first call of the `call()` method)