In-Class-11

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1. Which Keras RNN layer would you use to cube (x3) the values of the 100-dimensional vector?

Lambda layer – applies any arbitrary function to the input

2. In between which layers would you insert it?

Lambda layer can be inserted between Embedding and Masking layers. Embedding should be the first layer that give translate input vector and apply Lambda layer before filtering an input sequence using Masking layer

3. The example uses a simple Dropout layer to prevent overfitting to the training data. What other Keras RNN Noise layer could be used?

Gaussian noise, Gaussian Dropout or Alpha Drop out layers.

4. Why?

Gaussian noise – This is a natural choice as corruption process for real valued inputs.

Gaussian Dropout

Alpha Dropout - Fits well to Scaled Exponential Linear Units by randomly setting activations to the negative saturation value.