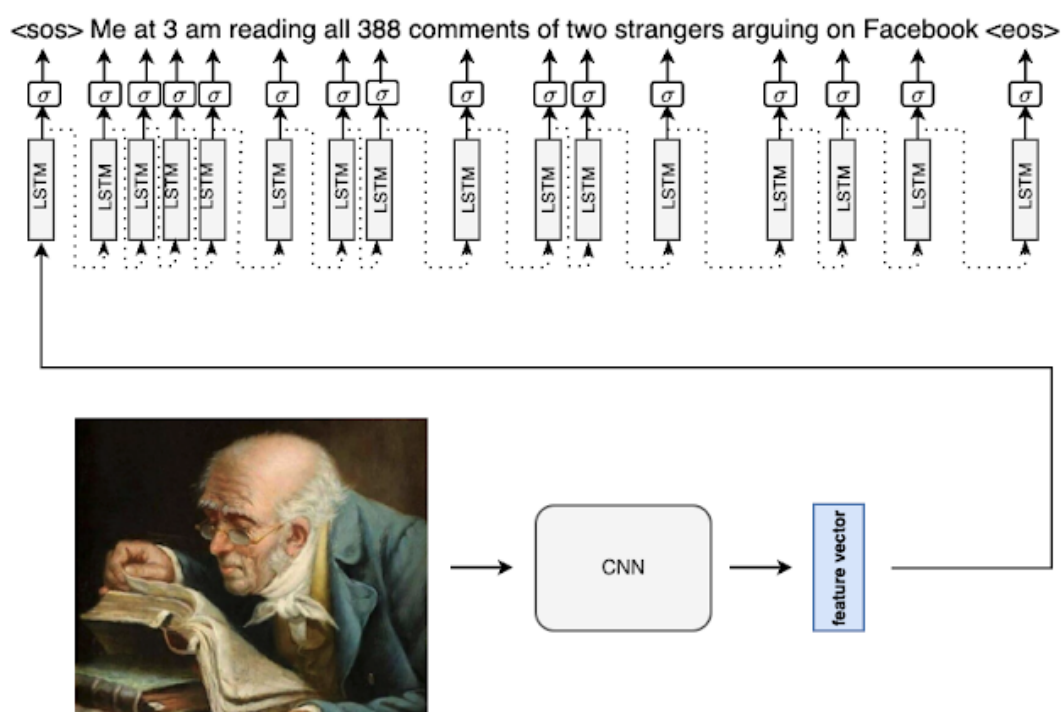# RNNs Applications

1. Name

_____

Using a dataset of memes, you trained an LSTM model to generate a description for each image encoded into a feature vector.

2. What kind of RNN application is described in the previous image ?   2 points

Mark only one oval.

⬭ Many to One

⬭ One to Many

⬭ Many to Many

3. The encoder is used to   2 points

    Mark only one oval.

    ◯ Map the image into the feature vector

    ◯ Map the image into the sentence

4. At each time step in the generation process, the output is fed into a   2 points
    dense layer with an activation function "sigma". What activation function
    should we use ?

    Mark only one oval.

    ◯ The softmax

    ◯ The sigmoid

5. During the generation process, each output of the LSTM is fed back into   2 points
    the model to get the new hidden state.

    Mark only one oval.

    ◯ True

    ◯ False

6. When does the LSTM stop generating words ?   2 points

    Mark only one oval.

    ◯ When the token generated is "<eos>"

    ◯ when the token generated is "<sos>"

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