29/12/2017 Udacity Reviews



PROJECT

Translation From One Language to Another Language

A part of the Deep Learning Nanodegree Foundation Program

	PROJECT REVIEW
	CODE REVIEW
	NOTES
SHARE YOUR ACCOMPLISH	
Meets Specification	S
A solid submission here, your co	ode is good, you have a great translation model here. 👍
	of LSTM and RNNs really well. Great job!
ou have successfully implemer Machine Translation Tutorial	ited a State of the Art model, now to expand your understanding please do go through the following links:
2.Attention and Augmented Rec	urrent Neural Networks
3.Word Embeddings	
Also check out Bidirectional LSTI	M as they seem to have good performance. Please do make the suggested changes to start getting better results.
	er to the source research paper.
Check out this paper to get an ic	dea about the hyper parameters used in larger corpora.
All the best in your deep learnin	giourney! 🔊
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The function decoding_layer_infer is implemented correctly.

The function decoding_layer is implemented correctly.

Suggestion

You can use reuse_variables() function with the decoding_scope instead of redundantly making context managers. Instead of using

with tf.variable_scope("decode", reuse=True) as decoding_scope: #Naming the context manager is essential infer_decoder_output...

use:

decoding_scope.reuse_variables() #You are using the name here
infer_decoder_output

Please do make sure that the reuse_variable() function and the consecutive code is indented to be at the same level as the previous context manager. Please do read more about Sharing Variables in Tf Also the output layer can be created in the same context manager.

The function seq2seq_model is implemented correctly.

Neural Network Training

The parameters are set to reasonable numbers.

A very good set of hyper parameters chosen here!

The project should end with a validation and test accuracy that is at least 90.00% $\,$

Awesome job getting over 90% accuracy here!

Language Translation

The function sentence_to_seq is implemented correctly.

A nice implementation.

However here is a simpler pythonic way to do:

 $[vocab_to_int.get(word, \ vocab_to_int['<UNK>']) \ for \ word \ in \ sentence.lower().split()]$

The project gets majority of the translation correctly. The translation doesn't have to be perfect.

Perfect translations! Way to go!

J DOWNLOAD PROJECT

RETURN TO PATH