PROJECT

Translation From One Language to Another Language

A part of the Deep Learning Nanodegree Foundation Program

PROJECT REVIEW

CODE REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT! 🐦 📘

Requires Changes

5 SPECIFICATIONS REQUIRE CHANGES

Great work on this project. You have made big progress, and you are on the finish line. Please address issues mentioned in my comments.
Please do not be disappointed. You can resubmit as many time as needed without any penalties. Take it as a feedback and opportunity to learn more.
Good luck with the nanodegree!

Required Files and Tests

The project submission contains the project notebook, called "dlnd_language_translation.ipynb".

All the unit tests in project have passed.

Preprocessing

The function `text_to_ids` is implemented correctly.

Neural Network

The function `model_inputs` is implemented correctly.

The function `process_decoding_input` is implemented correctly.

The function `encoding_layer` is implemented correctly.

The function `decoding_layer_train` is implemented correctly.

Good

The function `decoding_layer_infer` is implemented correctly.

Great

The function `decoding_layer` is implemented correctly.

A couple of comments here:

- I suggest you initialize MultiRNNCell inside tf.variable_scope
- You don't need this line `with tf.variable_scope("decoding") as decoding_scope:` twice. You can just continue in the same block of code.
- Please use `decoding_scope.reuse_variables()` instead of `with tf.variable_scope("decoding", reuse=True) as decoding_scope:`. You can read more about this here: https://www.tensorflow.org/programmers_guide/variable_scope

The function `seq2seq_model` is implemented correctly.

The first line should be: `enc_embed_input = tf.contrib.layers.embed_sequence(input_data, enc_embedding_size, source_vocab_size)`

Neural Network Training

The parameters are set to reasonable numbers.

Redo this part after you address the other comments.

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

Redo this part after you address the other comments.

Language Translation

The function `sentence_to_seq` is implemented correctly.

Almost there. You forgot to convert the sentence to lower case as required by instructions.

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

Your NN translated half of the words correctly. I encourage you to try translating other sentences from the dataset and see how your NN performs on them. Unfortunately, in this project you will rarely see perfect translation.

☑ RESUBMIT

⬇ DOWNLOAD PROJECT

Best practices for your project resubmission

Ben shares 5 helpful tips to get you through revising and resubmitting your project.

⊙ Watch Video (3:01)

RETURN TO PATH

Rate this review

Student FAQ