

Awesome

PROJECT

Translation From One Language to Another Language

A part of the Deep Learn	ning Nanodegree Foundation Program
PR	OJECT REVIEW
С	ODE REVIEW
	NOTES
SHARE YOUR ACCOMPLISHMENT! 🍏 🚹	
Meets Specifications	
Congratulations!	
You have successfully completed this project! can tell that you spent a considerable time on this project, and you sho	
, , , , , , , , , , , , , , , , , , , ,	
Required Files and Tests	
All the unit tests in project have passed.	
Good job passing all the unit tests!	
	our tests out before you write the code, to make sure that your code behaves as you ogramming exercises like this one, where a small syntax or mathematical error
Preprocessing	
The function text_to_ids is implemented correctly.	
Good job! You correctly used the source_vocab_to_int and target	_vocab_to_int dictionaries!
Manual Matrix da	
Neural Network	
neurai network	

Good job initializing the input and targets to integers, and learning_rate and keep_prob to floats!

Suggestion

The word input is a reserved function in python so I suggest you rename this variable to something like input_data.

The function process_decoding_input is implemented correctly.

The function encoding_layer is implemented correctly.

Suggestion

You could also use dropout here if you would like

The function decoding_layer_train is implemented correctly.

Suggestion

You could also use dropout here if you would like

The function decoding_layer_infer is implemented correctly.

The function decoding_layer is implemented correctly.

Suggestion

Instead of opening a new with clause, you can call decoding_scope.reuse_variables() inside the first with clause:

The function seq2seq_model is implemented correctly.

Neural Network Training

The parameters are set to reasonable numbers.

• Great job overall! I just want to draw your attention to the embedding size, which you currently have as 256. Keep in mind that the vocabulary size if 227, which indicates that using anything more than than is an overkill as you are trying to represent more concepts than you have words for.

Commonly, we want the opposite: embedding many words into a few concepts. A good number of embedding size for this vocabulary is 128, as it is a power of two (speeds computation) and performs well for this translation task.

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

Wonderful validation loss! It's definitely higher than 90%

Language Translation

The function sentence_to_seq is implemented correctly.

Good job transforming the sentences into lower case and utilizing the get function in dictionaries!

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

The translation gets most of the concepts correctly. You could perhaps try a more challenging sentence like "he saw an old yellow truck". It seems to be a common one

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