UDACITY

PROJECT

Machine Translation

A part of the Artificial Intelligence Nanodegree and Specializations Program

PROJECT REVIEW

CODE REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT!

Meets Specifications

Impressive job building a deep neural network that functions as part of an end-to-end machine translation pipeline!

You meet all the specifications!

I especially enjoyed seeing your predicted translations which your notebook printed in the last step.

Keep up the great work and good luck with your Nanodegree!

Submitted Files

The following files have been submitted: `helper.py`, `machine_translation.ipynb`, `machine_translation.html`

You did well here because you included all the required files!

Preprocess

The function `tokenize` returns tokenized input and the tokenized class.

Good job returning tokenized input!

The function `pad` returns padded input to the correct length.

Your function `pad` correctly returns the input padded with zeros at the end!

Models

The function `simple_model` builds a basic RNN model.

The function `embed_model` builds a RNN model using word embedding.

The Embedding RNN is trained on the dataset. A prediction using the model on the training dataset is printed in the notebook.

Great job training the Embedding RNN! Validation accuracy printout ends at 0.9300

The function `bd_model` builds a bidirectional RNN model.

The Bidirectional RNN is trained on the dataset. A prediction using the model on the training dataset is printed in the notebook.

Great job training the Bidirectional RNN! The prediction is printed in your notebook and validation accuracy printout ends at 0.7536

The function `model_final` builds and trains a model that incorporates embedding, and bidirectional RNN using the dataset.

Great job training your `model_final`! The prediction is printed in your notebook and validation accuracy printout ends at 0.9583

Prediction

The final model correctly predicts both sentences.

Wow! Your model correctly predicts both sentences!

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