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DISCUSS ON STUDENT HUB

Machine Translation

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Congratulations on completing this project. You've demonstrated strong understanding and mastery of the concepts. Well done. Your final model is so well built and nothing compared to a lot that I have seen. It's really outside the box. Thanks for going ahead and trying out the encoder/decoder optional model that then fed into your final model. Really good work.

For best practices, and generally thinking about NMT and neural networks, here a few things to improve your model:

Increase units to 256 or 512

Add a hidden Dense layer with $2 \times \text{french_vocab_size}$ units

Use LSTM layers instead of GRU layers.

Decrease the learning rate to 0.001

Increase the number of epochs from 20 to 25-30.

Please notice that I would not perform all these changes at the same time. I would try one by one. Then for general reading on NMT, here are a few helpful materials on machine translation to further grow in the field.

A Machine Translation tutorial from NVIDIA: <https://devblogs.nvidia.com/parallelforall/introduction-neural-machine-translation-with-gpus/>

Another cool tutorial I found: <https://medium.com/@ageitgey/machine-learning-part-5-language-translation-with-deeplearning-and-the-magic-of-sequences>
Hope you enjoy these readings. Please be safe out there and keep up with t

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