

ABSTRACTIVE TEXT SUMMARISATION

TEAM: BLOOM

MOTIVATION

ABSTRACTIVE TEXT SUMMARISATION IS USED VASTLY AND OUR MOTIVATION IS TO EXPLORE THE SAME USING VARIOUS NLP MODELS.

MODEL

1. VANILLA RNN
2. GRU MODEL
3. LSTM MODEL
4. SEQ2SEQ MODEL
5. T5 TRANSFORMER

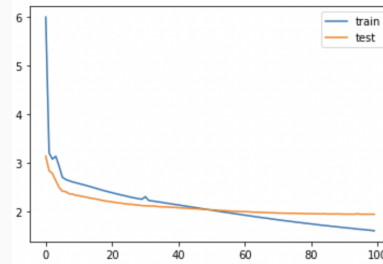
CONCLUSION

SEQ2SEQ MODELS DO A DECENT JOB IN UNIDIRECTIONAL MODELS. T5 OUTPERFORMS ALL.

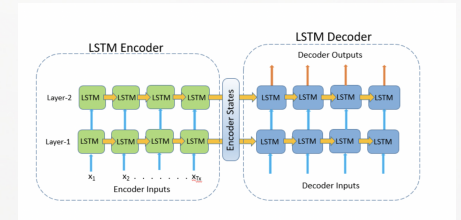
DATASET

WIKIHOW DATASET IS USED. "TEXTS" ARE SUMMARISED TO THEIR "HEADLINES".

RESULTS



```
1 model.save("lstm_seq2seq_vanilla.h5")
```



⚡ Hosted inference API ⓘ

🔗 Text2Text Generation

LONDON, England (Reuters) -- Harry Potter star Daniel Radcliffe gains access to a reported £20 million (\$41.1 million) fortune as he turns 18 on Monday, but he insists the money won't cast a spell on him. Daniel Radcliffe as Harry Potter in "Harry Potter and the Order of the Phoenix" To the disappointment of gossip columnists around the world, the young actor says he has no plans to fritter his cash away on fast cars, drink and celebrity parties.

Compute

%+Enter

0.9

Computation time on cpu: 0.711 s

Harry Potter star Daniel Radcliffe has said he has no plans to spend his money

REFERENCES

1. ATTENTION-SEQ2SEQ:TOWARDS DS ARTICLE
2. ATTENTION IS ALL YOU NEED: VASWANI ET AL
3. TENSORFLOW DOCUMENTATION
4. HUGGINGFACE T5 DOCUMENTATION
5. PYTORCH LIGHTNING DOCUMENTATION