**dependencies**

* tensorflow, keras,sklearn
* numpy, pandas, pyrouge, matplotlib
* regex(re), NLTK, gensim

**LSTM encoder decoder architectural and trainig parameters:**

* batch\_size = 50
* epochs = 20
* hidden\_units = 128
* learning\_rate = 0.005
* clip\_norm = 2.0
* test\_size = 0.2
* optimizer = RMsprop
* dropout = 0.2 (both encoder and decoder during training)

**Results**

The generated summaries are readable and xmake sense, however they contain repetitions and sometimes skip over important facts or get the plot wrong altogether.

Roughe score

R-1= 40.1%

R-2= 17.9%

R-L = 37.2%