

The Sky is *Blue*

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Inspiration and Literary Research

Exquisite Corpse poem

Rigid grammatical system → Linguistic Theory

Combine multiple styles to generate text (poem or song lyrics)

Language as “form of life” → How language carries out expressive and communicative functions → Individual values and culture practices

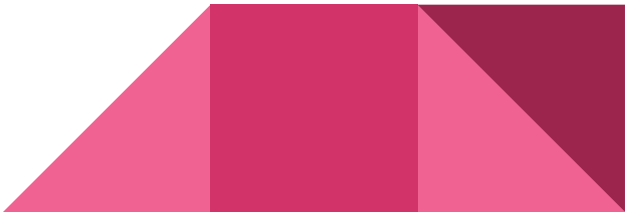


GPT-2

Input: Kanye lyrics Good Morning

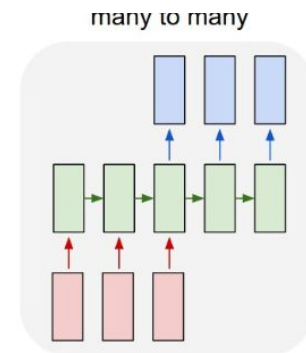
Output

The latest listings include Tang Mulan and Li Shang, both of whom are featured in the trailer for the film. Tang Mulan is an adult, Chinese woman who uses her martial arts prowess to fight the war against the Huns. Li Shang is a young, male Chinese warrior who uses his "gifted" martial arts skills to fight against the Huns. In the trailer for the film, the two of them have a brief exchange where Li Shang says that he doesn't even see Tang as a woman at all.



Model Architecture

<https://www.kdnuggets.com/2020/07/pytorch-lstm-text-generation-tutorial.html>



1 Embedding layer -> LSTM 3 Layers 128 x 128 -> 1 Linear Layer

Train for 10 epochs, dropout = 0.2

Initial Results

Nirvana

Text prompt: "I'm taking a break"

I'm taking a break 'Humm stare, let more shame', "And 'I the vertical, skinhead
'Wanna plan find I wrong on my 'No, dead', 'That 'It 'Find, 'Now, eyes 'Here my bye
so rules', is she it a "'Is washed 'And 'And all life 'People 'Even the case.', fellas, it
work", neutered minds', promise left a taste', can decided and be died 'I aching
tuberculosis, jars Century shame the spam as not 'Talk 'Without things this 'Could
for 'Gimme hosts 'I said keep you the crazy', already 'You', wall should my jukebox
for me with beginning', shop", 'In we in love an fair, "And a



Part of Speech Tagging

Exquisite Corpse Poem - Adjective, Noun, Verb, Adjective,
Noun

Examples:

["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]

["VB", "PRP", "JJ", "NN", "IN", "PRP", "VB", "PRP"]

["VB", "JJ", "NN", "RB", "VB", "JJ", "NN"]

["JJ", "NN", "VB", "IN", "JJ", "NN", "CC", "NN"]

Key:

PRP: personal
pronoun

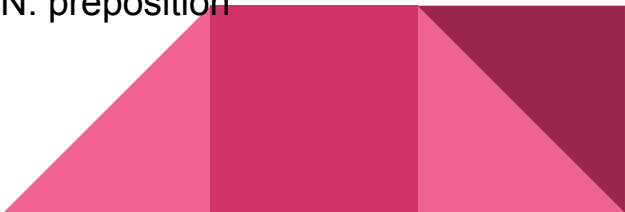
VB: verb

JJ: adjective

NN: noun

CC: conjunction

IN: preposition



Results

First Prompt: “The sky is blue” **Each following prompt: Output from last line as input**

Drake:

you out, you dance different baby, anyway
I miss you care girl, now it's working
talk you up, slide into you be I
slide million, love, just play real love? Why?

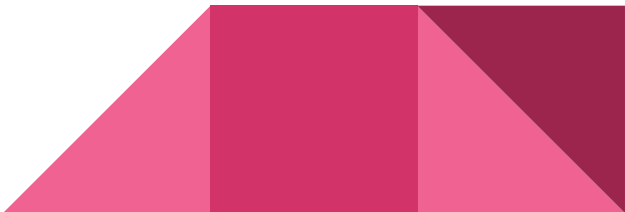
["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]
["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]
["VB", "PRP", "JJ", "NN", "IN", "PRP", "VB", "PRP"]
["VB", "JJ", "NN", "RB", "VB", "JJ", "NN"]

real wasn't confidence as old money, It's
old thing be for real behavior
she break you, know we're bad, this paper know
its treat we take sweet granted, I goodness
me understand you check real calm, breakfast

["JJ", "NN", "VB", "IN", "JJ", "NN", "NN"]
["JJ", "NN", "VB", "IN", "JJ", "NN"]
["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]
["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]
["PRP", "VB", "PRP", "VB", "JJ", "JJ", "NN"]

Nirvana:

yeah lost the calm'
loser lost the whole medication',



Rest of Song

Nirvana:

yeah lost the calm'
loser lost the whole medication',

Baby you 'Now, place you my, came how said
yeah, 'a Sunday", embrace that dead',
think in had "Maybe promise hear 'My I go
Temptations we'll bad wave

things not without 'Let again 'Well
easy, easy, to being five to ,
I'm the love I'll the sunbeam
Boy, her 'Dead!', a mind, security',
got any situation sun find a crafts

Kanye:

Grammys somewhere for gonna feel somewhere
Gave
everything everything to knew and to is
Grammys up ASAP and somewhere think
Pelle I grandfather Those class designers

light back if Withers am back light
forever paparazzi to know And to tell
talk fast in Sunday pulled up Cohen

why your drinkin' hard I've get Kanye West
Kanye West Stacks one-track-minded Keep out
busy charge glory gave into that stop
is Only better like my clothes

BTS:

Dynamite, Dyn-na-na-na, like come
you home, Jump you (Woo-hoo)
Life up, Let's show now together

Ayy, Dyn-na-na-na, la be than na-na,
drink and light
low like yes
na-na-na, truck shines, But like
damn, heart be because ya wow,
forward, all, be like good fire
fire much body there (Woo-hoo), life
light fast

give treat be in glow funk
give light funk just dream, honey watch
Girl come as shoulders i
beat chemistry right, though loyal rain
and backspacing

Future Considerations

- More tweaks to model architecture (I/O size, dropout, addition of layers)
- Learn on part of speech tags instead of manual additions
 - More part of speech sequences can be generated
- Make transitions smoother
- More data cleaning

