

تولید متن با استفاده از شبکه های عصبی LSTM

این کد نحوه آموزش یک شبکه عصبی حافظه کوتاه مدت (LSTM) را برای تولید متن نشان می دهد. مدل از یک فایل متنی داده شده یاد می گیرد و متن جدیدی را بر اساس الگوهای آموخته شده تولید می کند. کد از کتابخانه Keras استفاده می کند.

بهبود:

برای بهبود مدل از روش بهتری برای پیش پردازش متن استفاده شد و همچنین برای پیدا کردن بهترین هایپرپارامترها از روش grid search استفاده شد. نتایج تولید متن در مدل اولیه و بهبود داده شده در ادامه آورده شده است.

الگوریتم اولیه:

My War and Peace:

e and mary so ge her and made a gesture of a surte and had spent that she was not so to be about the porth".what is the matter?" said the countess, with a smile. "a save you a good time, my dear fellow, i am very glad to deve you a parenel," said prince andrew. "we all so an and asked him to come of it. i don't understand it; i want to know whether it was all a coment of you. but it is not as you lave not to forget your hands". "but what is there to be so down," said prince andrew with a smile

loss: 1.5391

الگوریتم بهبود داده شده:

My War and Peace:

" said " i should like to speak to her but i am not a good thing but i know that i shall always be the most indifferent crowd of seeing the emperor and also get away to her own reason to her and that her father would not be the cause of it all was now at an end the count and her husband and her face suddenly serious and something in her love for her she was to see her face and she went up to her mother

the countess her face in her then she saw his face and again stepped
and silently

loss: 0.7922