

7.8 Report

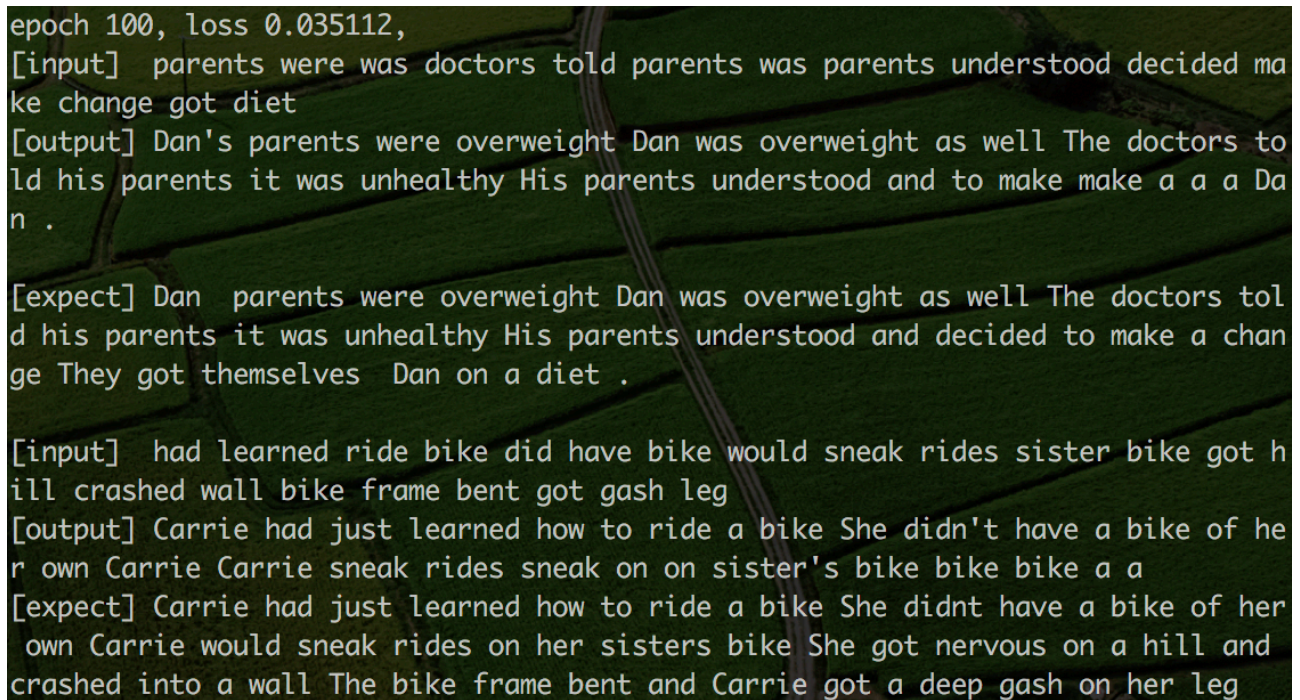
老师 打扰了！您那边现在应该是早上，想和您汇报一些关于最近的进展！以及有一些问题留言给您，希望有时间的时候您可以回复一下。谢谢老师！

1.基于NMT的story generation已经完成，地址：<https://github.com/AbnerCode/Text-Generation> 文件名：gluon_story_generation.py

存在的问题：1.参数存在问题（epoch、max_seq_len(故事长度)）

2.模型采用的GRU，尽快修改

目前的结果：



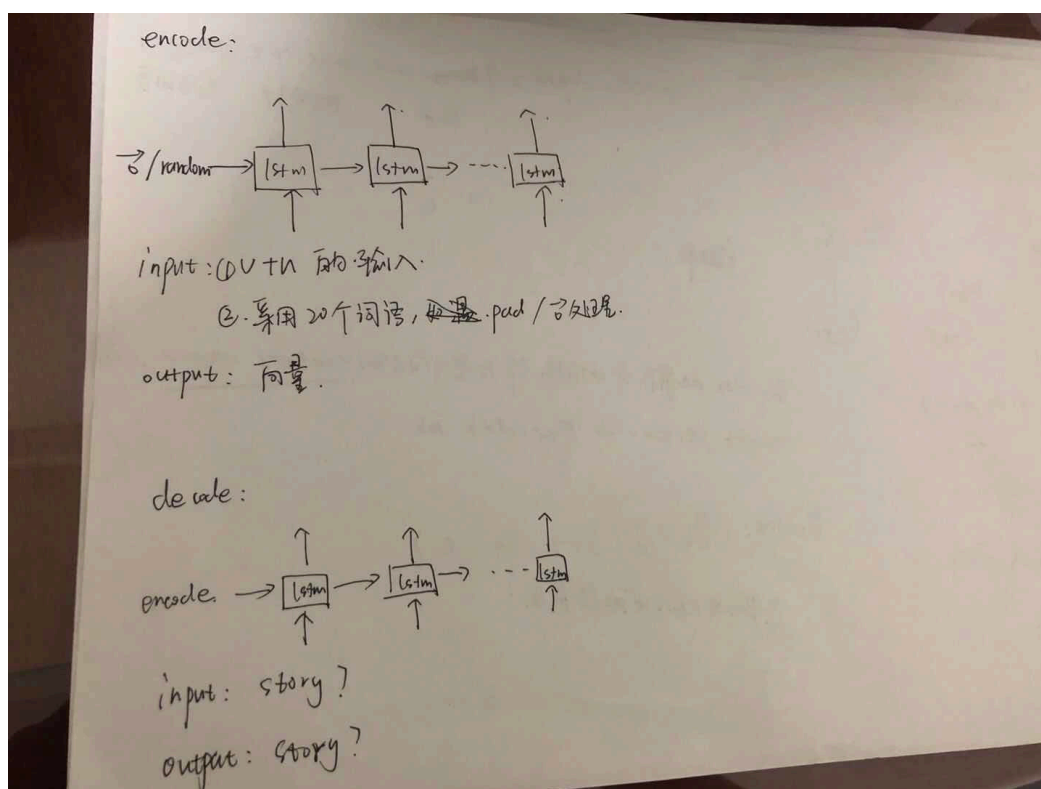
```
epoch 100, loss 0.035112,  
[input] parents were was doctors told parents was parents understood decided ma  
ke change got diet  
[output] Dan's parents were overweight Dan was overweight as well The doctors to  
ld his parents it was unhealthy His parents understood and to make make a a a Da  
n .  
  
[expect] Dan parents were overweight Dan was overweight as well The doctors tol  
d his parents it was unhealthy His parents understood and decided to make a chan  
ge They got themselves Dan on a diet .  
  
[input] had learned ride bike did have bike would sneak rides sister bike got h  
ill crashed wall bike frame bent got gash leg  
[output] Carrie had just learned how to ride a bike She didn't have a bike of he  
r own Carrie Carrie sneak rides sneak on on sister's bike bike bike a a  
[expect] Carrie had just learned how to ride a bike She didnt have a bike of her  
own Carrie would sneak rides on her sisters bike She got nervous on a hill and  
crashed into a wall The bike frame bent and Carrie got a deep gash on her leg
```

对于故事的生成，我对故事生成的最大的长度定义为30个词，在max_seq_len(故事长度)后，生成的故事就存在问题。

问题：无法正常生成故事

2.拼接的方案：对模型的建立存在问题。最初的想法：只采用两个词语去作为lstm的initial_state，然后利用0向量作为输入，启动文本生成，但是存在问题。问题：不知采用什么作为输入，暂时计划采用seq2seq实现。

3.seq2seq:



1.encode

目前情况: 利用tensorflow、glove、实现了input的embedding

计划: initial_state: 采用0向量 / 随机向量, 将所有的词语, 每个词语对应一个cell, encode输出。

存在的问题: 1.输出的后的向量是否作为decoder的initial_state

2.是否采用最后一层hidden_layer的向量

3.采用tensorflow实现, 更改为gluon, gluon写lstm的资料较少, 希望老师可以提供一下。

2.decode:

问题:

1.输入: 是否采用全部的故事

2.输出: 是否需要生成5句话的story, 还是仅仅是一个story即可。

计划:

1.实现decode

2.对结果进行分析, 对input的理解进行改进 (具体没想好, 阅读论文)

谢谢老师!