## 看图说话机器人项目



# 前期回顾

- 1. im2txt框架运行调试
- 2.运行界面及后台搭建
- 3.encoder模块替换
- 4.attention机制引入
- 5.denscap搭建运行



# 本周工作

1.im2txt框架下attention的调试

包括train\evaluate\inference

2.densecap下joint inference和context fusion部分的调试

joint inference和context fusion是类似attention的机制

3.整理文档和代码

问题:增加attention机制后,train过程中loss过大

原因: batch loss直接等于的loss,没有除以sum weight,修改后解决。

```
INFO:tensorflow:global step 120620: loss = 3.1545 (0.255 sec/step)
INFO:tensorflow:global step 120630: loss = 2.9335 (0.360 sec/step)
INFO:tensorflow:global step 120640: loss = 3.1681 (0.315 sec/step)
INFO:tensorflow:global step 120650: loss = 3.0103 (0.282 sec/step)
INFO:tensorflow:global step 120660: loss = 3.1390 (0.244 sec/step)
INFO:tensorflow:global step 120670: loss = 2.8171 (0.265 sec/step)
INFO:tensorflow:global step 120680: loss = 2.9540 (0.269 sec/step)
INFO:tensorflow:global step 120690: loss = 2.8826 (0.260 sec/step)
INFO:tensorflow:global step 120700: loss = 2.7818 (0.256 sec/step)
INFO:tensorflow:global step 120710: loss = 2.6459 (0.288 sec/step)
INFO:tensorflow:global step 120720: loss = 2.6503 (0.256 sec/step)
INFO:tensorflow:global step 120730: loss = 2.9163 (0.255 sec/step)
INFO:tensorflow:global step 120730: loss = 2.9163 (0.255 sec/step)
INFO:tensorflow:global step 120740: loss = 3.1060 (0.326 sec/step)
INFO:tensorflow:global step 120740: loss = 3.1060 (0.326 sec/step)
```

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### 遇到的问题

- 1.im2txt运行evaluate和inference时,有bug在调试
- 2.使用densecap,将句子连接成段落阶段,loss未收敛,在调试

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evice Thanks!