544_seq2seq

December 1, 2021

1 Seq2Seq for story generation

Reference to https://github.com/rishishian/plan_write

```
[ ]: #path is important here, if you name your root path differently,
     #need to change var CODELAB in plan_write_codelab/config.py
     from google.colab import drive
     drive.mount('/content/drive')
     root_dir = "/content/drive/MyDrive/Colab Notebooks/544_bart/"
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call
drive.mount("/content/drive", force_remount=True).
```

1.1 Without Attention

```
[ ]: #original config set 10 epochs, each epoch takes ~13s in codelab with gpu
     PATH= '/content/drive/MyDrive/Colab\ Notebooks/544_bart/plan_write_codelab/main.
      ↪py'
     %run $PATH --config Title2Line --mode train_generate
```

```
Device:cuda
train/valid/test dataset path:/content/drive/MyDrive/Colab Notebooks/544_bart/pl
an_write_codelab/data/train_title_line.tsv//content/drive/MyDrive/Colab Notebook
s/544_bart/plan_write_codelab/data/valid_title_line.tsv//content/drive/MyDrive/C
olab Notebooks/544_bart/plan_write_codelab/data/test_title_line.tsv
src_filed:title, trg_field:story_line
Number of training examples: 80186
Number of validation examples: 9816
Number of testing examples: 8159
Show data example
{'title': ['overweight', 'kid'], 'story_line': ['dan', 'overweight',
'unhealthy', 'make', 'decided']} {'title': ['the', 'pet', 'bug'], 'story_line':
['oliver', 'spotted', 'jar', 'hoped', 'safe']} {'title': ['literature', 'vs',
'math'], 'story_line': ['literature', 'choose', 'indecisive', 'make', 'deny']}
Unique tokens in vocabulary(min frequency:25): 3372
The model has 7088684 trainable parameters
Training title to story_line model
```