

```
, columns=flexible, numbers=None
understanding_paper.pdfthispaper[?].
```

1

Note  
that  
dataset  
multi-  
processing  
can  
fail  
on  
lo-  
cal  
ma-  
chines  
with-  
out  
GPU,  
so  
to  
de-  
bug  
lo-  
cally,  
you  
might  
have  
to  
change  
num\_workers  
to  
0.  
Check  
out  
the  
demo.  
mingpt-demo/  
play\_char.ipynb

Read  
through  
NameDataset  
in  
src/dataset.py,  
our  
dataset  
for  
read-  
ing  
name-  
birthplace  
pairs.

Q:  
Where  
was  
[per-  
son]  
born?

A:  
[place]

src/

The  
code  
in  
mingpt-demo/  
won't  
be  
changed  
or

eval-  
u-  
ated  
for  
this  
as-

sign-  
ment.

dataset.py

NameDataset

NameDataset

birth\_places\_train.tsv

Im-  
ple-  
ment  
fine-  
tun-  
ing  
(with-

out  
pre-  
train-  
ing).

run.py

pre-

train

fine-

tune

eval-

ate

play\_char.ipynb

NameDataset

[part

c]

Trainer

```

]
Train
on
the
names
dataset
python
src/run.py
finetune
vanilla
wiki.txt
--writingparamspathvanilla.model.params --
-finetunecorpuspathbirthplacestrain.tsv
    Evaluate
on
the
dev
set,
writing
out
predictions
python
src/run.py
evaluate
vanilla
wiki.txt
--readingparamspathvanilla.model.params --
-evalcorpuspathbirthdev.tsv --
-outputspathvanilla.nopretrain.dev.predictions
    Evaluate
on
the
test
set,
writing
out
predictions
python
src/run.py
evaluate
vanilla
wiki.txt
--readingparamspathvanilla.model.params --
-evalcorpuspathbirthtestinputs.tsv --
-outputspathvanilla.nopretrain.test.predictions
tensorboard
--logdir
expt/
london_baseline.py
    Define
a
span
cor-
rup-
tion
func-
tion
for
pre-
train-
ing.
src/dataset.py
    _getitem_()
CharCorruptionDataset
dataset.py
?
CharCorruptionDataset
CharCorruptionDataset
wiki.txt
Pre-
train,
fine-
tune,
and
make
pre-
dic-
tions.
Bud-
get
2
hours
for
train-
ing.
pre-
train
run.py
fine-
tune
with
wiki.txt
NameDataset
paramspathvanilla.pretrain.params
paramspathvanilla.pretrain.params--

```