README.md 2/1/2019

Overlap with language modelling

Hold experiments on 2 models using overlap:

- simple-lstn, a very basic lstm
- awd-lstm, AWD ASGD Weight-Dropped LSTM
- mos-lstm, MOS Mixture of Softmaxes

To specify which model to run, use --main-model {simple-lstm | awd-lstm | mos-lstm} argument. There are additional common paramaters as well as specific parameters for each model. Those can be found in main_run.py.

Set-up

Download the data:

```
chmod +x get_data.sh
./get_data.sh
```

Install dependencies:

```
python3.6 -m virtualenv venv
source venv/bin/activate
pip3 install -r requirements.txt
```

Simple Istm

```
python3 main_run.py --main-model simple-lstm --epochs 1000
```

MOS Istm

TODO

AWD Istm

Fast run:

README.md 2/1/2019

Acknowledgements

Code is heavily borrowed from the following sources:

• simple-lstm: https://github.com/deeplearningathome/pytorch-language-model

• awd-lstm: https://github.com/salesforce/awd-lstm-lm

• mos-lstm: https://github.com/zihangdai/mos