

CS 466/566 Introduction to Deep Learning - Assignment 3

RNN Text Generator

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Selected book for input: Hackers, Heroes of the Computer Revolution by Steven Levy

Project Details:

Basically below command continues to train the RNN from where it stopped.

```
python train.py --data_dir=./data --init_from=./save
```

To discuss project in detail, there are four python files in this project: Utils, Model, Train and Sample. Utils file does text file loading and separating it to batches. Model file is what our recurrent neural network looks like. Our model consists **two LSTM layers with the size of 128**. In train file, we define these variables or get them from argument parser. In sample file, it generates text with the given prime, keyword.

Generated texts for different keywords:

Below command generates text with 500 characters that starts with the keyword “Programming”.

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python sample.py --prime Programming
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