Deep Learning - 89687

Ass3 - Part 1

We generate 1000 examples - 500 examples for each language.

We shuffled these examples and split them to two part:

1. Train: 80% (=800) 2. Dev: 20% (=200)

Model

The model is composed by:

- 1. Embedding (13x13)
- 2. LSTM (13x8)
- 3. Fully Connected layer 8 neurons
- 4. Tanh activation function
- 5. Fully Connected layer 2 neurons
- 6. Log Softmax function

We use an Adam optimizer with a learning rate 0.001 and cross entropy as loss function.

Results

Our model succeeded in distinguishing the two languages after 10 iterations done in 39.52s on GPU. He got 100% accuracy on the train and the dev data.



