

人工智能之深度学习

RNN--讲义

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上海育创网络科技有限公司







课程内容

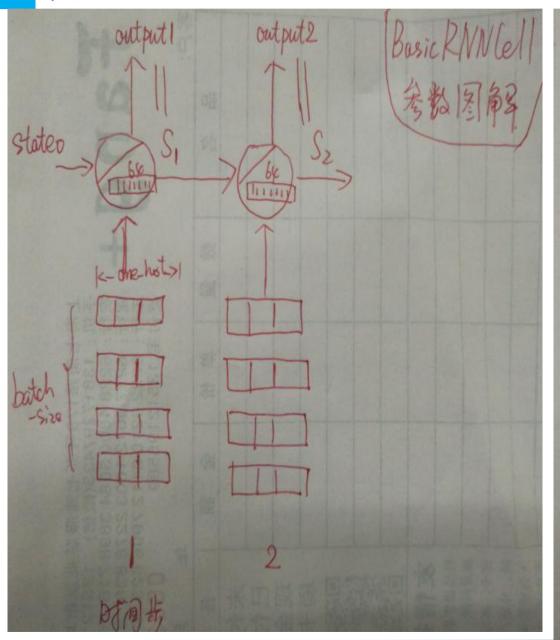
- 一、递归神经网络(RNN)
- 二、RNN反向传播
- 三、Word2vec
- 四、双向RNN
- 五、LSTM
- 六、RNN超参数

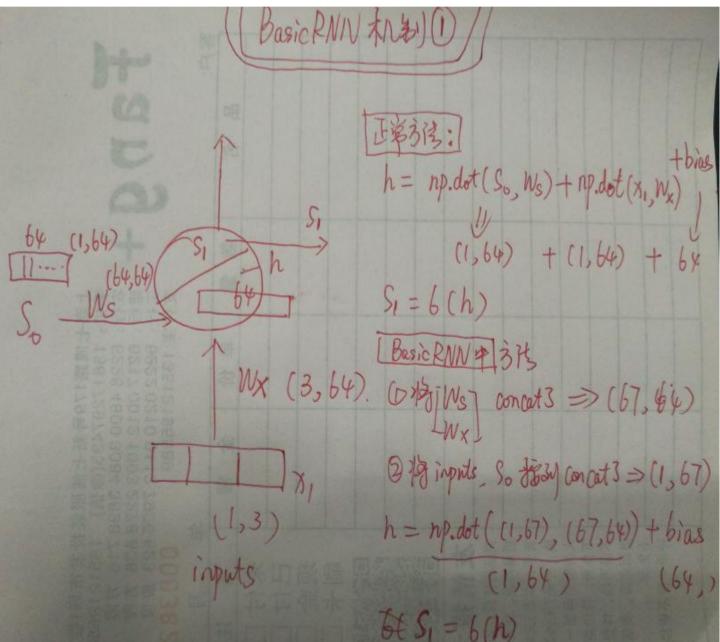


01 RNN的基本API



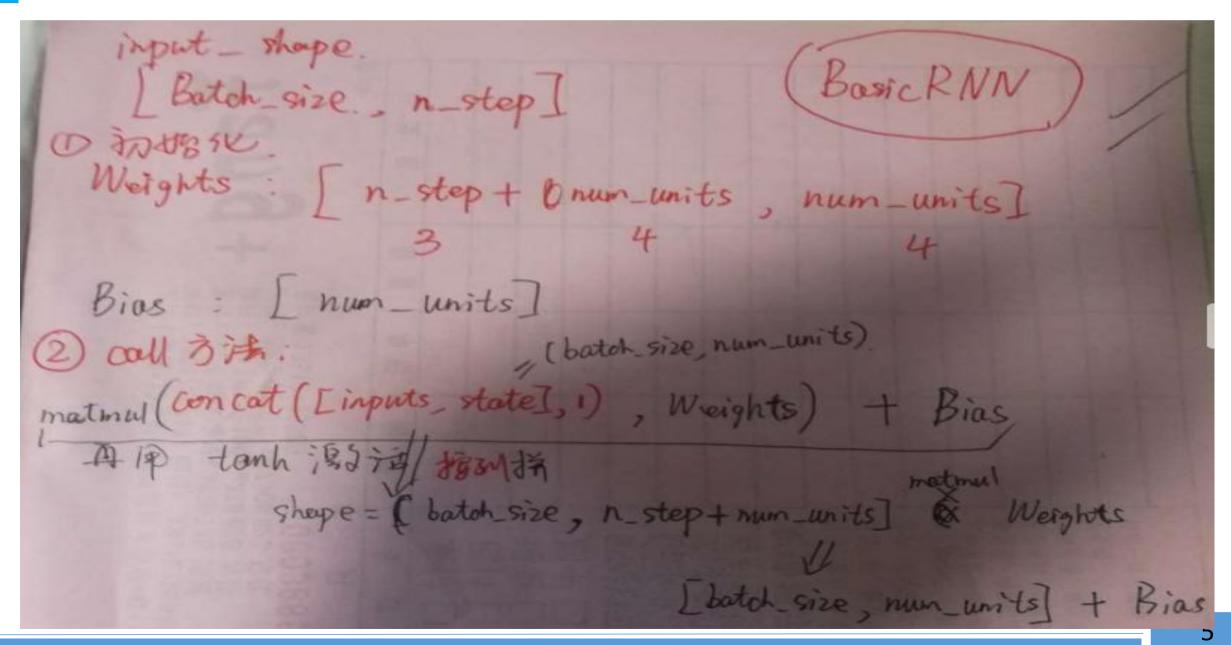
BasicRNN api运作机制一



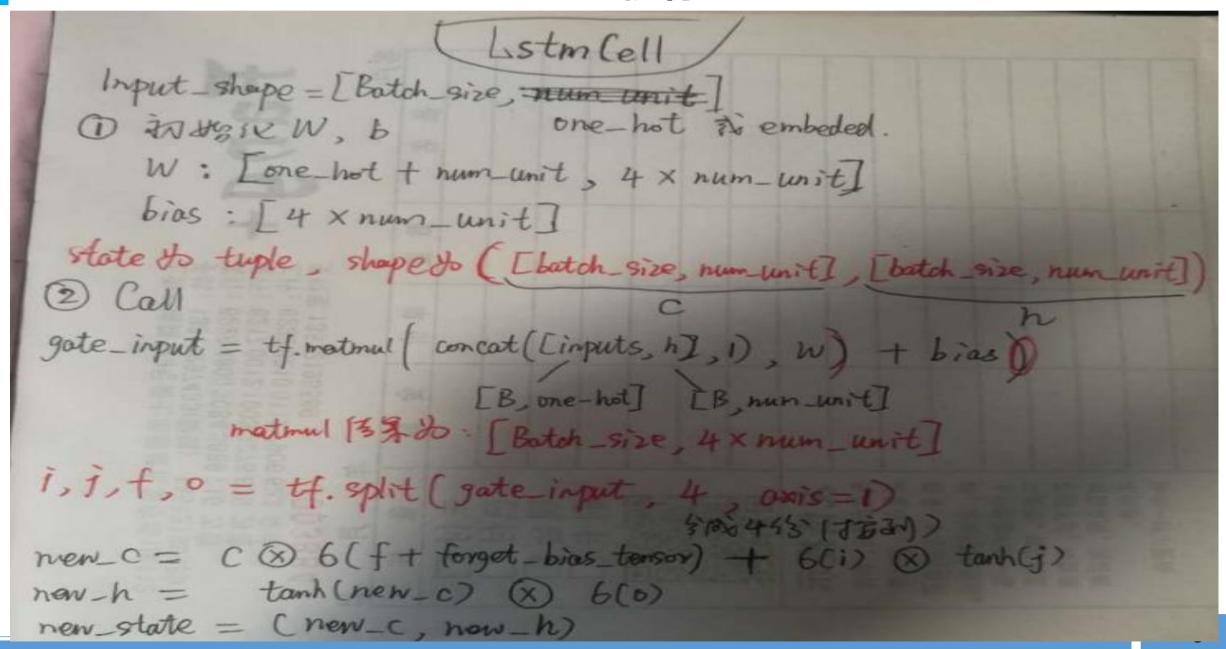




BasicRNN api运作机制二

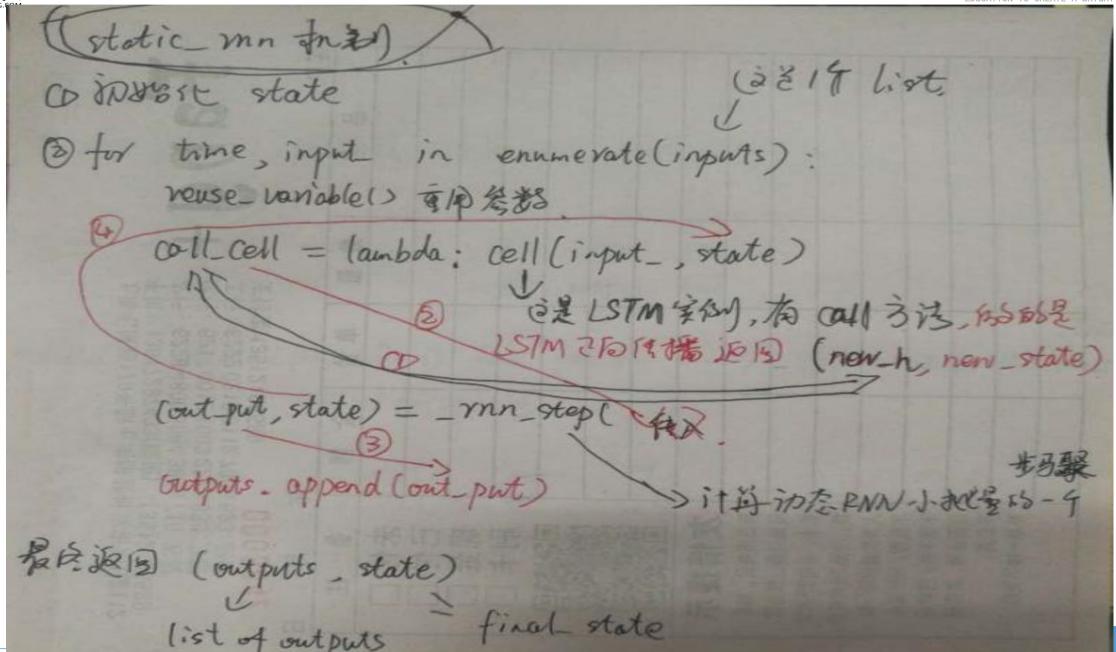


LSTMcell 机制



Static rnn机制

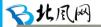
分找風网

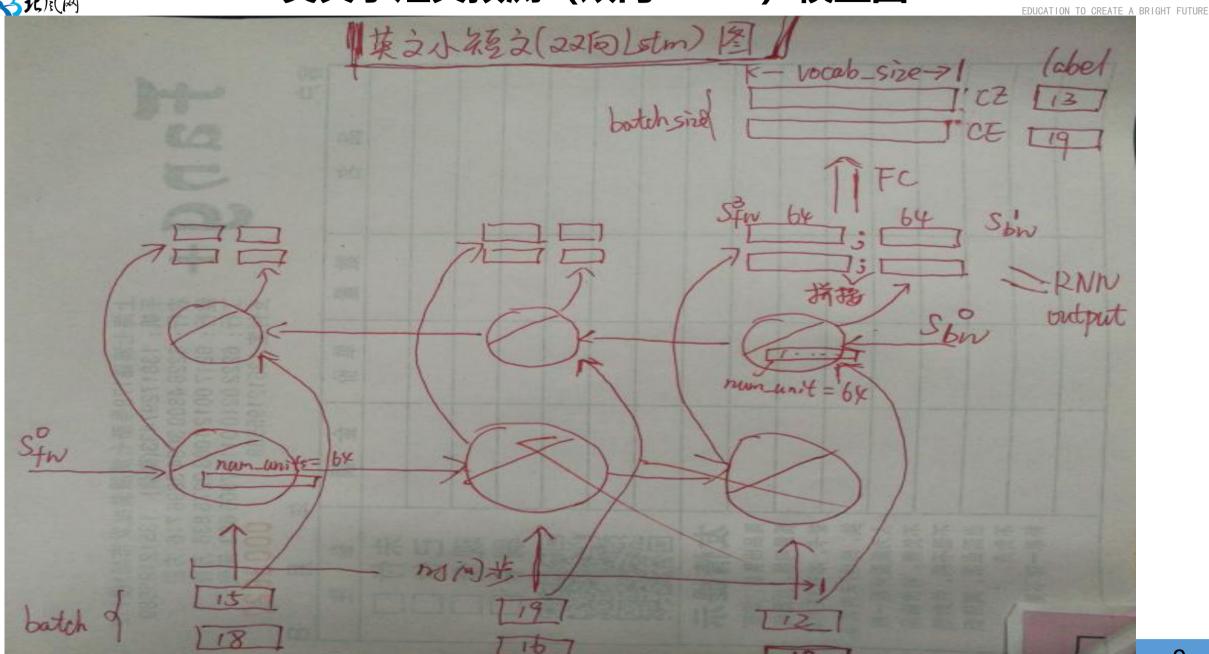




英文小短文预测 (双向LSTM)

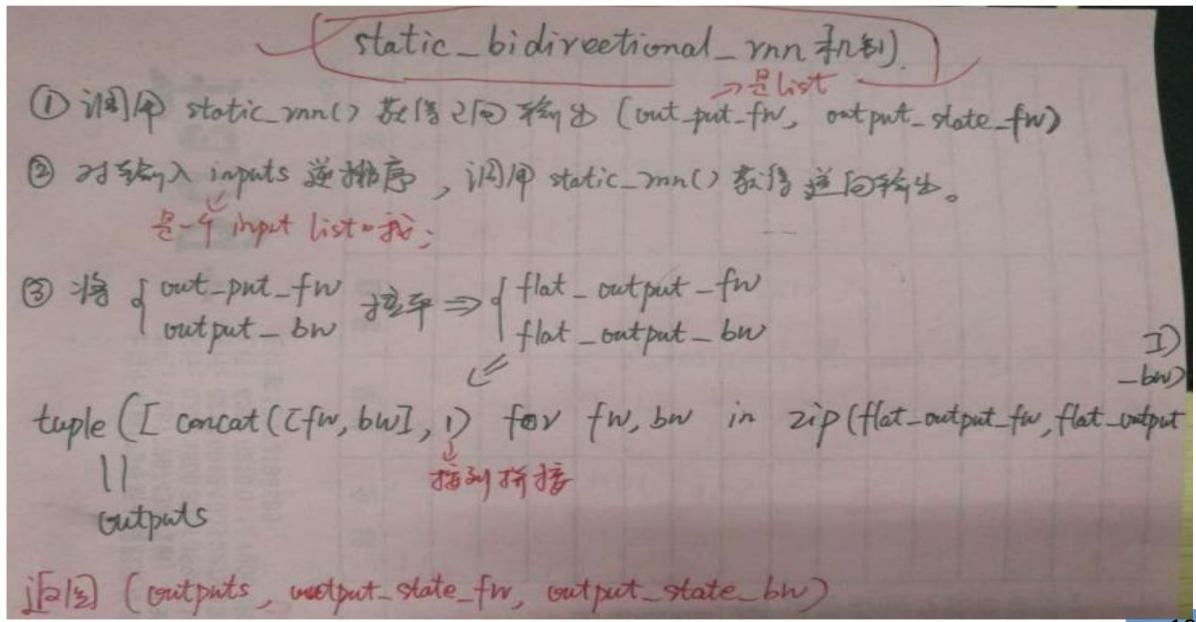
英文小短文预测 (双向LSTM) 模型图





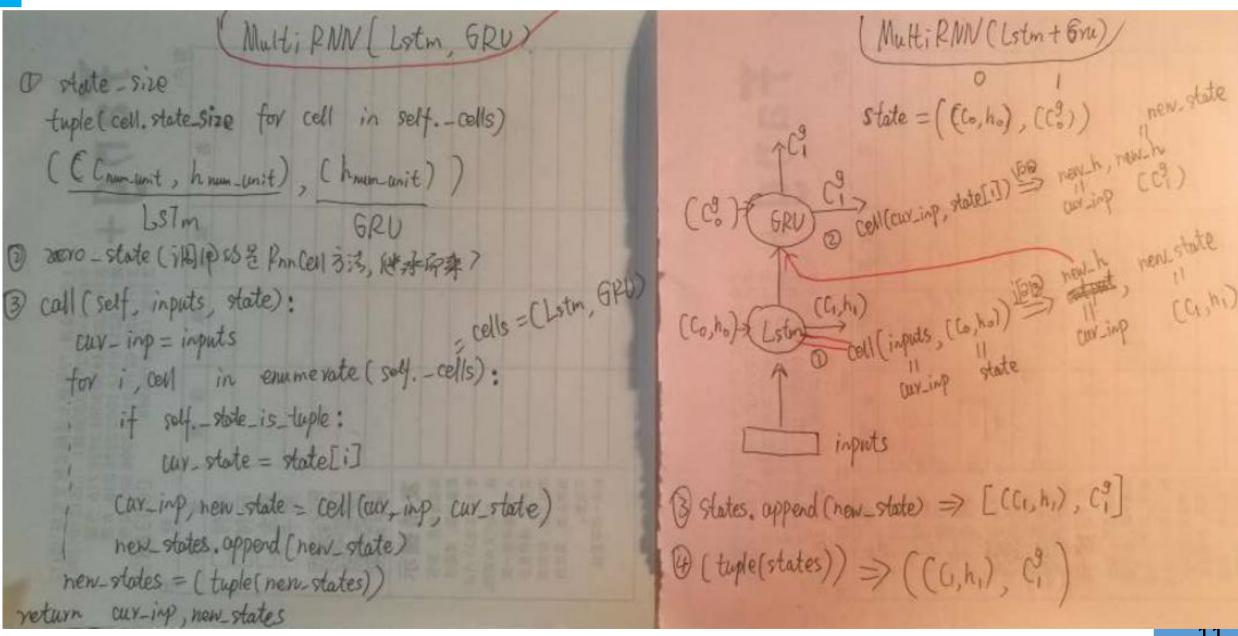
英文小短文--static_bidirectional_rnn机制







唐诗生成---MultiRNN(lstm + GRU)详解



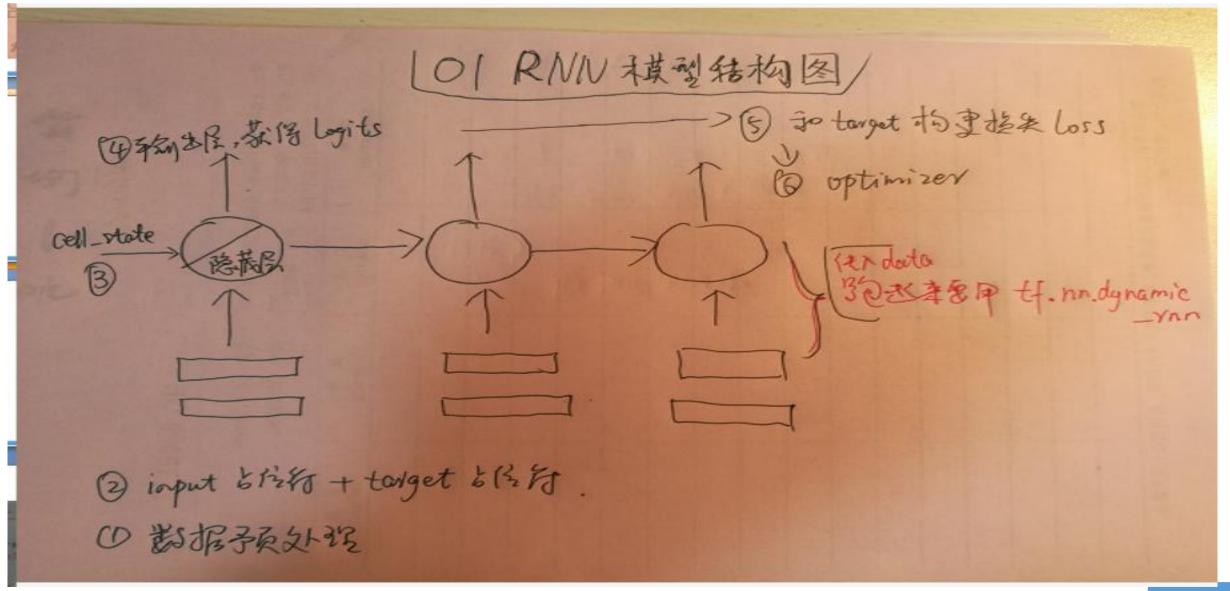
唐诗生成--模型图



CREATE A BRIGHT FUTURE 10 cab - gire-唐诗生成 Model FCFAN FC 图 T-FC RIVNER h! TILLI ho2 2 tuple 加州湾。 Listin his WX Wx TWX Wx - Vocab_size> one-hotast 一个 随 阿河步

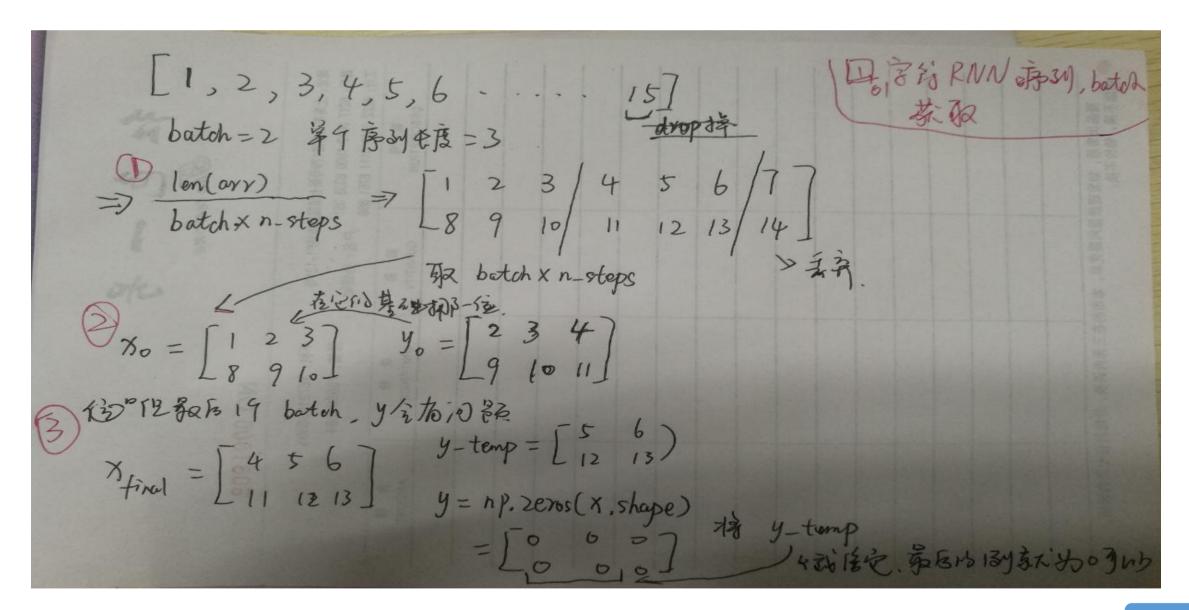


01 字符级RNN项目—序列处理



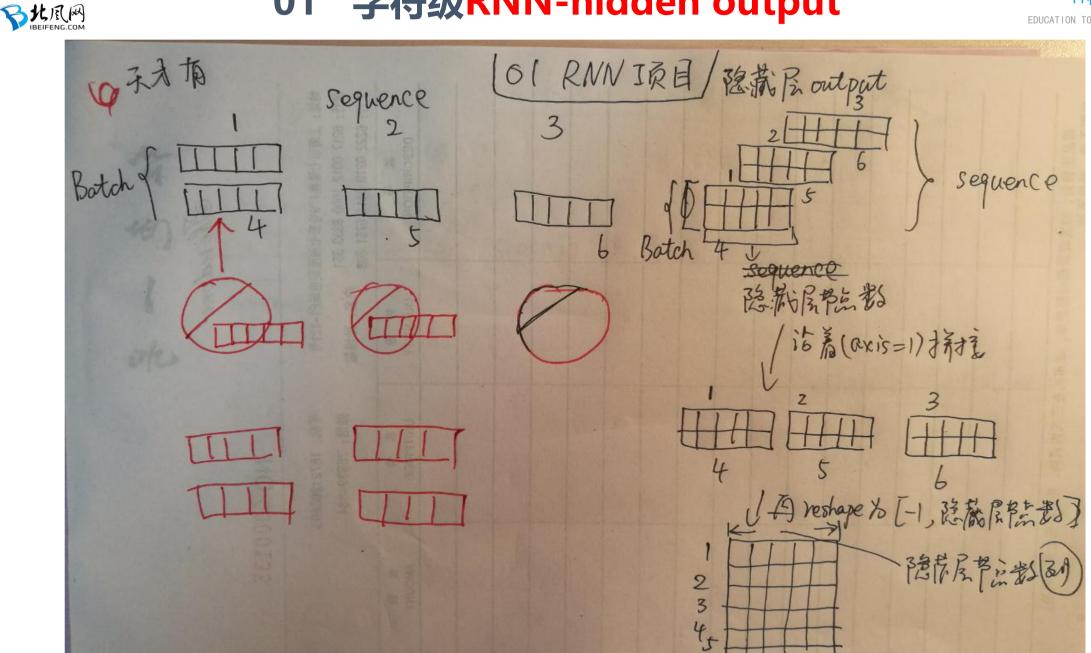


01 字符级RNN项目—序列处理



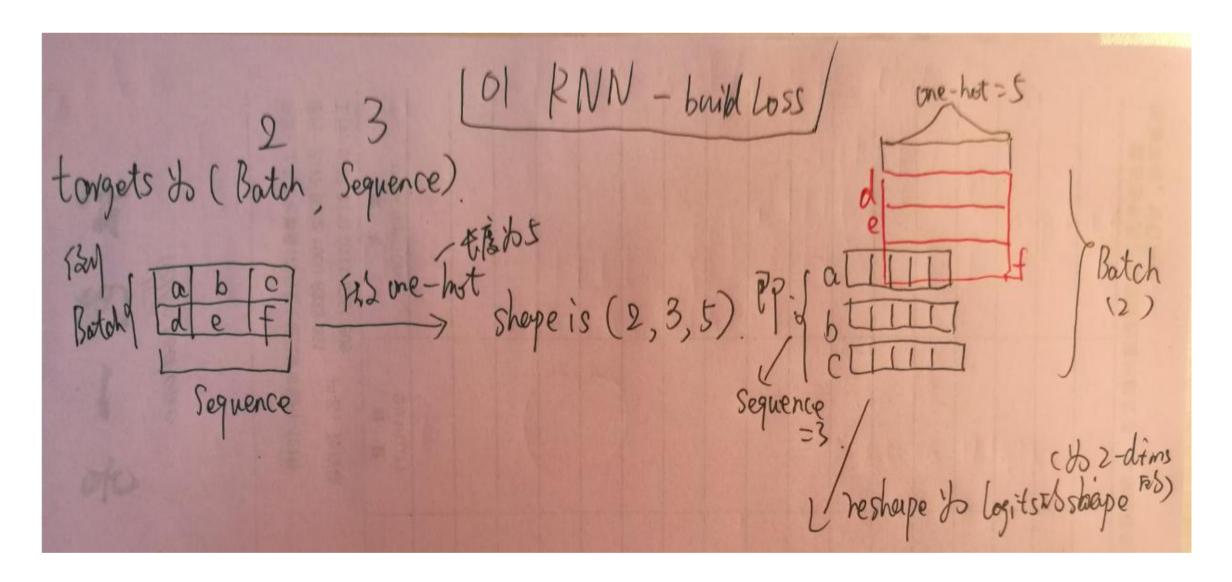


字符级RNN-hidden output



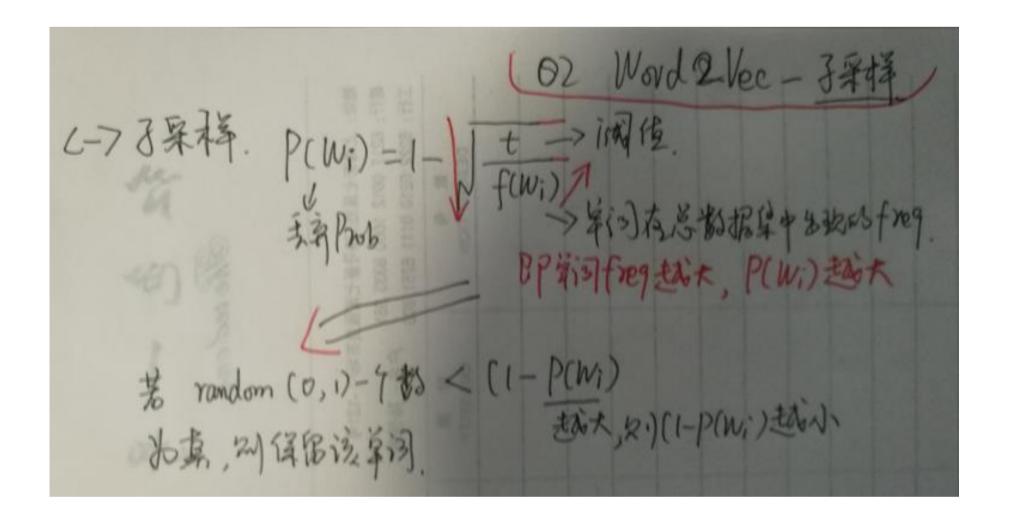


)1 字符级RNN项目--Loss



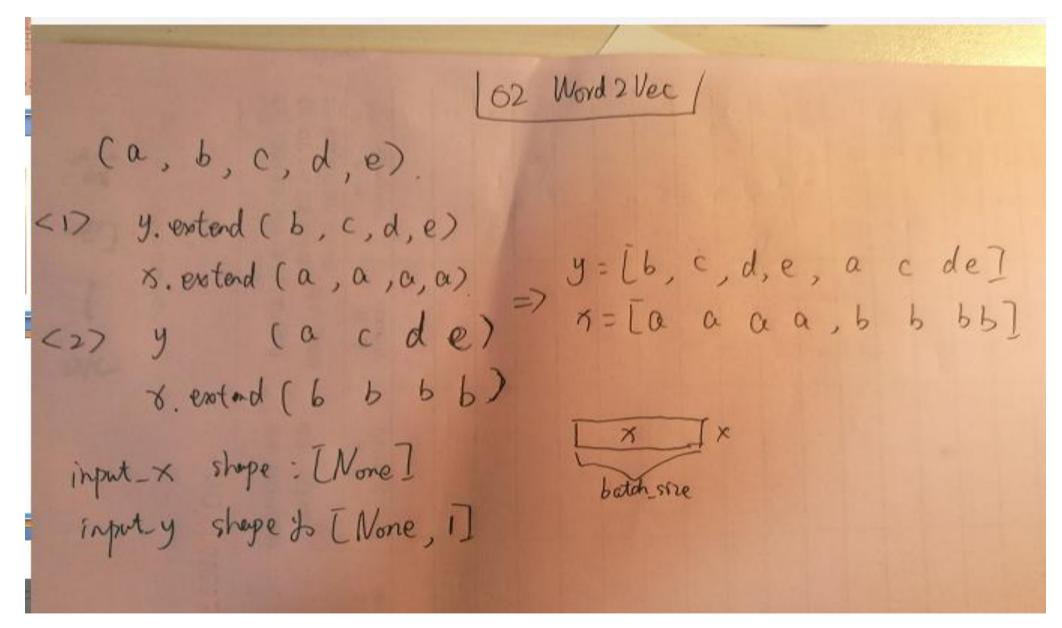


Word2vec—子采样



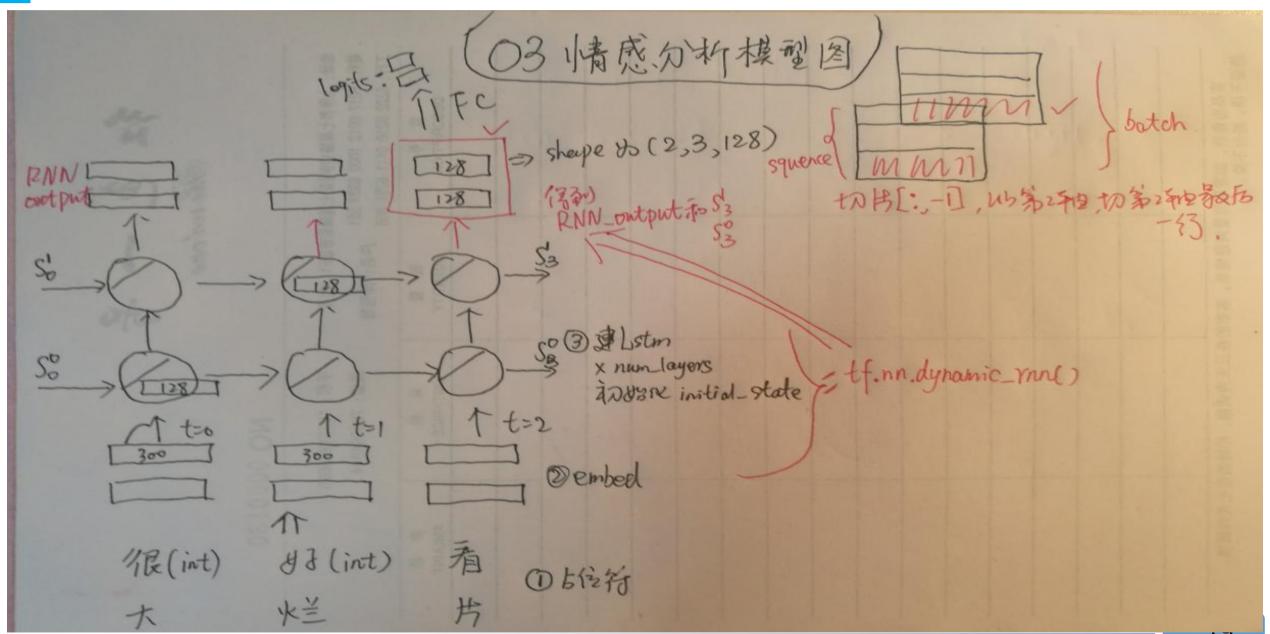


0402 Word2vec

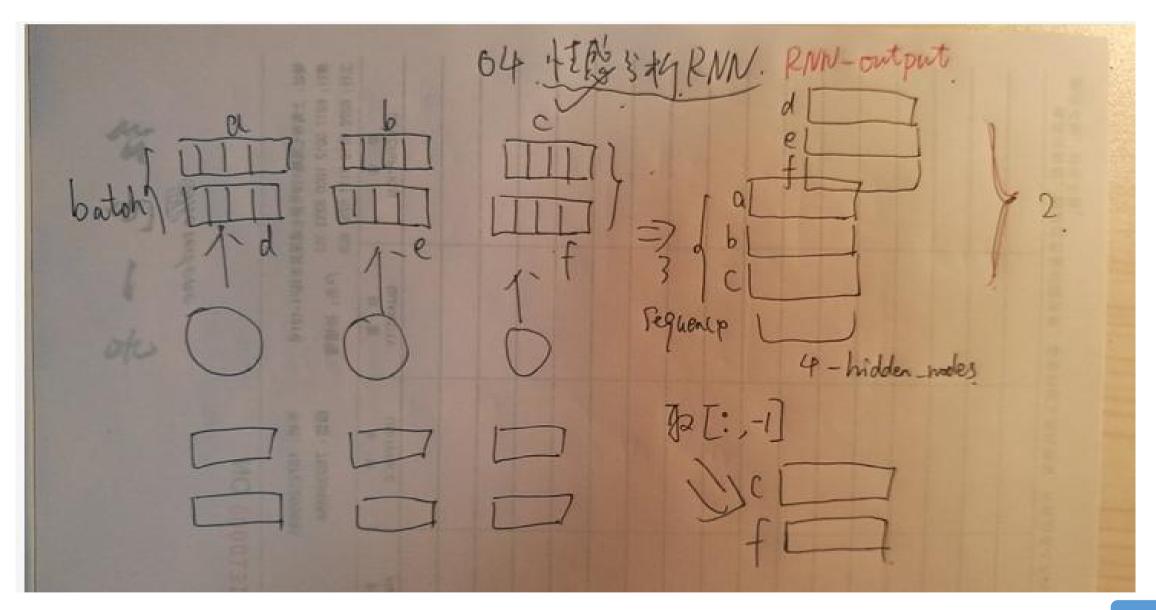


04 情感分析RNN-output图



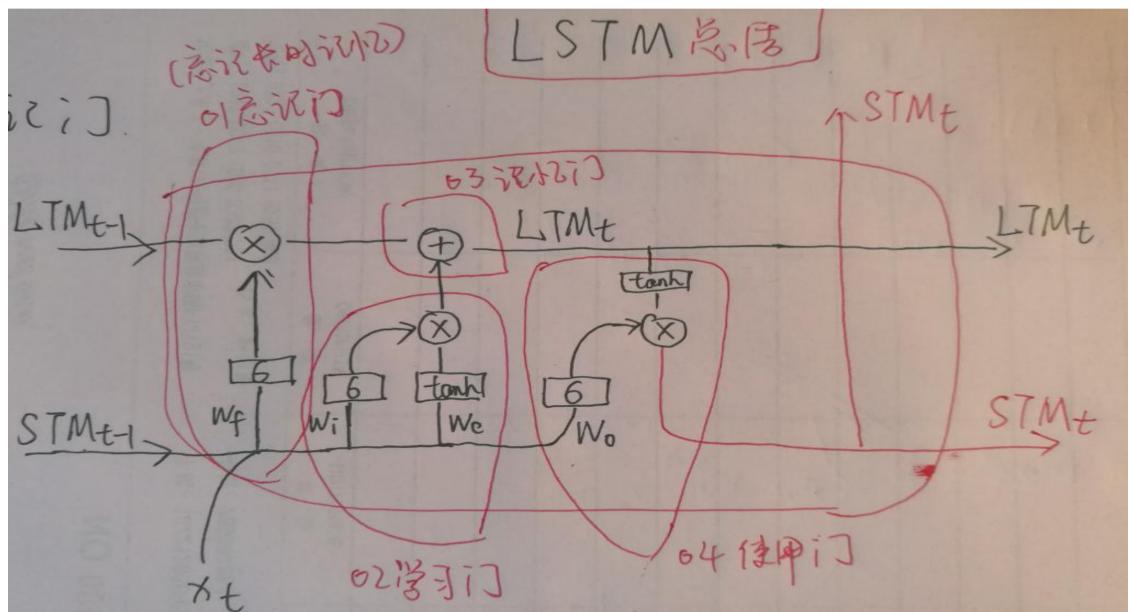


04 情感分析RNN-output图



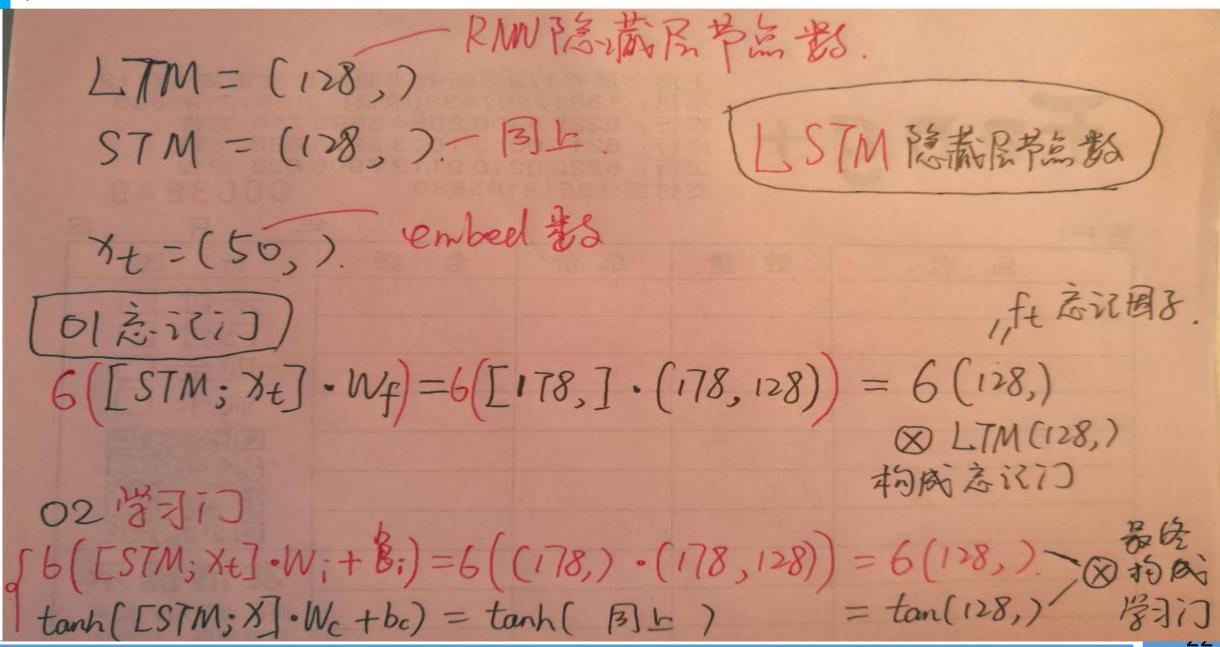
LSTM-总结





LSTM---隐藏层节点数量





04 电视剧本生成-rnn output过程



