
Fully Convolutional Networks for Semantic Segmentation

Nan Wei
UC San Diego
nwei@ucsd.edu

Renjie Shao
UC San Diego
reshao@ucsd.edu

Hongyi Ling
UC San Diego
holing@ucsd.edu

Abstract

1 Introduction

2 Method

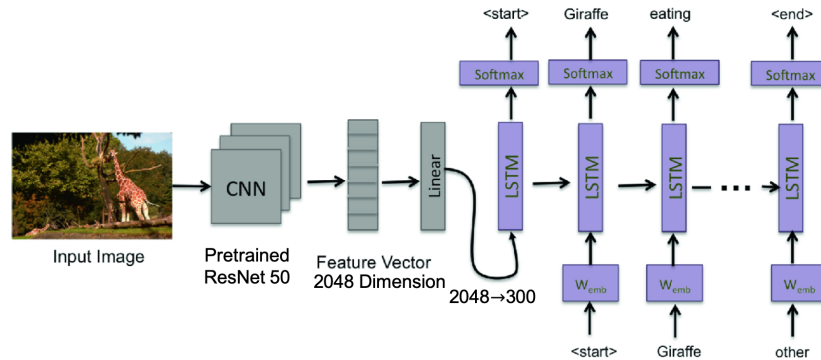


Figure 1: Model Framework [?]

3 Experiments

Table 1: BLEU-1 and BLEU-4 scores

model	BLEU-1	BLEU-4
LSTM with pretrained word embedding	87.31	19.02

4 Individual Contribution

Nan Wei

I implement transfer learning with DeepLabv3 and do experiments on basic CNN and DeepLabv3. I also write the report.

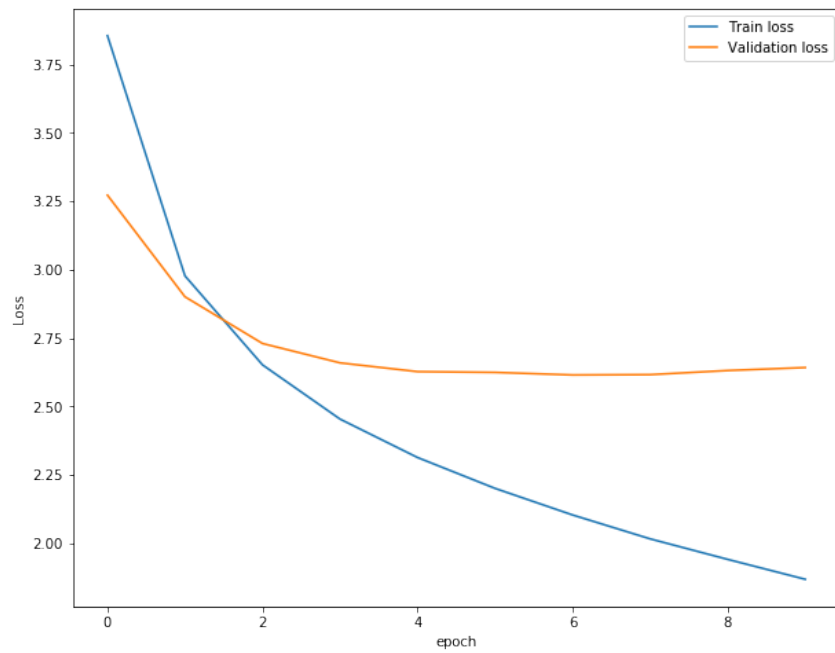


Figure 2: Training and validation loss of vanilla RNN

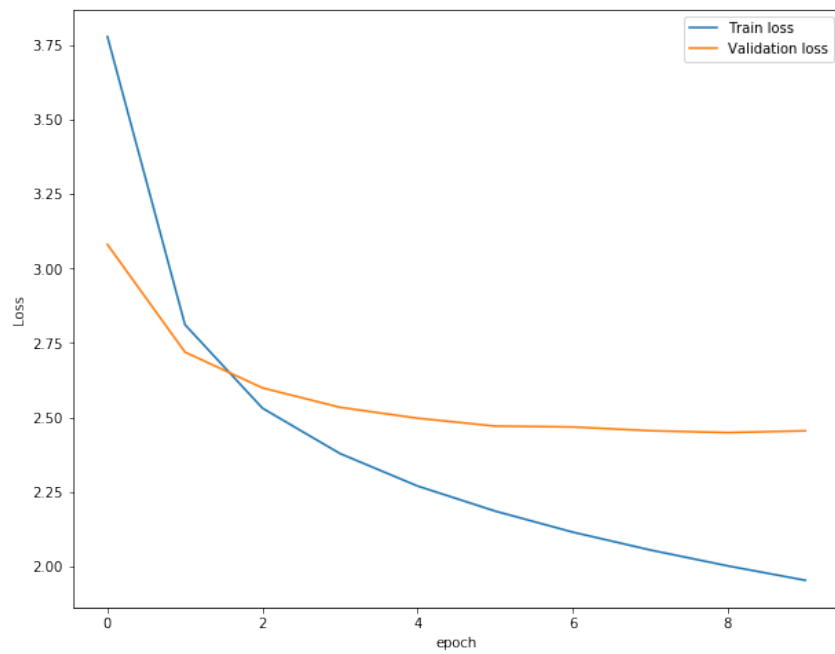


Figure 3: Training and validation loss of vanilla RNN

Renjie Shao

I implement U-Net architecture and do experiments on U-Net. I also help implement IoU and visualization of segmentation and write some parts of the report.

Hongyi Ling

I write the code of basic fcn and metrics. I also build different experimental CNN architectures and test these neural networks. In addition, I write these parts of the report.