# Spam with the BERT

eggachecat

# 1 Notes

## 1.1 Architecture

## 1.2 Attention

### 1.2.1 Encoder-Decoder Attention

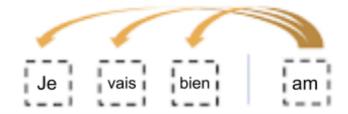this is some nonsence



图 1: encoder-decoder-attention

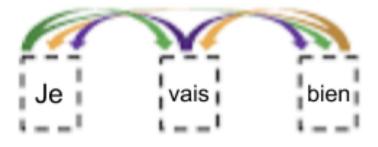### 1.2.2 Encoder Self-Attention

this is some nonsence



图 2: encoder-decoder-attention

### 1.2.3 Decoder Self-Attention

this is some nonsence

图 3: encoder-decoder-attention

## 1.3 Masks

## 1.4 IsNextSentence

# 2 Implementation - the easy way

## 2.1 Dependencies

1. bert-as-service

   - https://github.com/hanxiao/bert-as-service
   - 1.6k stars <- 靠谱!
   - 把 pretrained 的 BERT 模型 host 在一个 http server 上
   - 易用 & 易扩展
   - 有中文的 BERT 的 pretrained
     - *No, if you are using the pretrained Chinese BERT released by Google you don't need word segmentation.* – README
     - 意味着不用把句子分词!

2. Python >= 3.5

3. Tensorflow >= 1.10

## 2.2 Datasets

## 2.3 Traning

### 2.3.1 预处理

对于一个新闻 $NEWS_1$, 首先分成一组句子 word or phrase

1. 预处理

   - 对于一个新闻 $NEWS_1$
   - 分成

## 2.4 Inference

## 2.5 Resultls

## 2.6 Conclusion