DL Project Proposal: Shakespeare to English

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Abstract

Add abstract to be fancy

1 Introduction

[1] [4] [3] [2] [6] [5] Abstract

Inspiration

Data web scrap label via aligner

Preprocessing Tokenize!!!!! NUM PROPER NOUNS PUNCTUATION USE SPACY FOR POS TAGS

Models Baseline Seq2Seq Baseline No attention, no Bidirectional encoder RNN-; RNN GRU-; GRU bidirectional GRU -; Bidirectional GRU With Attentions Teacher Forcing

Use Aligner to measure quality of data, and learnability. Not learnable -¿ still train, but when report, do backwards, suggest data is difficult Learnable -¿ do aligner do well, then models

Final Tricks: Num -; Num PN -; PN Punct -; Punct

Expectation: Hopefully provides good translations Hopefully can do a pseudo style transfer on English Funny translations? 50 Shades of Grey

2 Data Procurement

- 3 Preprocessing
- 4 Archectectures
- 4.1 Baseline RNN Sequence to Sequence
- 4.2 GRU Sequence to Sequence
- 4.3 Bidirectional Model
- 4.4 Attention Mechanisms
- 4.5 Teacher Forcing
- 5 Roles and Responsibilities
- 6 Expectations

References

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