Technical Report

Constructing a POS tagger

NLMI - Part A

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Abstract

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1 Introduction

2 Approach

2.1 Parsing training and test corpus

2.2 Constructing language and lexical model

2.2.1 Language model

2.2.2 Lexical model

2.3 Smoothing language and lexical model

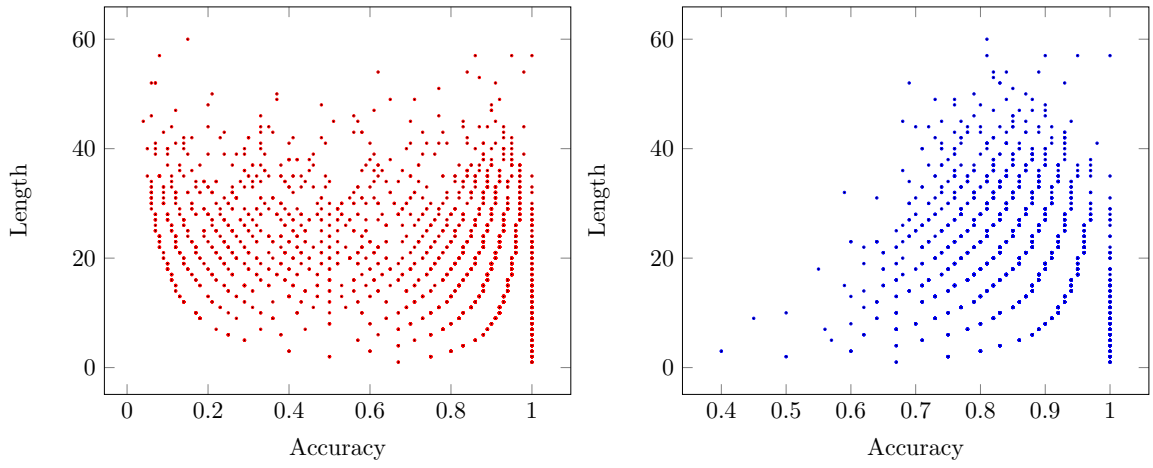
2.3.1 Language model

2.3.2 Lexical model

2.4 Computing most probable POS sequence

3 Results

3.1 Accuracy of POS tagger



In figure 1 one can see the dramatic result of smoothing.

4 Discussion

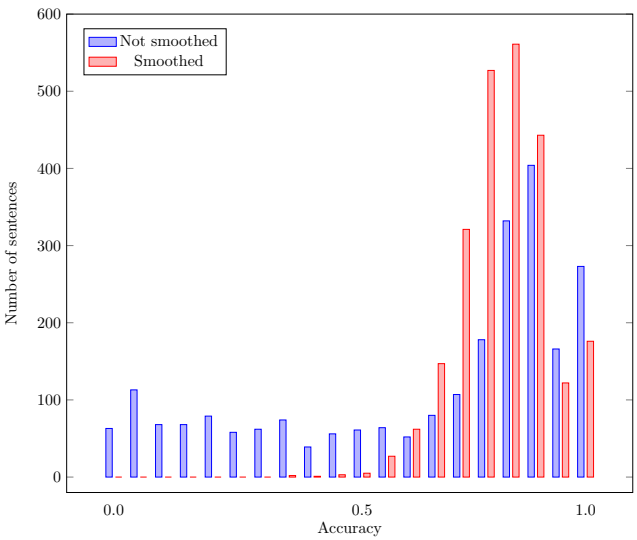


Figure 1: Accuracy without and with smoothing