

Abstract of Hindi POS Tagging

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1 Introduction

POS tagging is a task of labelling each word in a sentence with its appropriate part of speech. It is an important natural language processing application used in machine translation, word sense disambiguation, question answering parsing, and so on. The genesis of POS tagging is based on the ambiguity of many words in terms of their part of speech in a context.

2 Steps in POS Tagging

- 1) We first Obtain a tagged data set for Training.
- 2) Then Hidden Markov Model is used to identify Transmission and Emission Probabilities
- 3) Apply Viterbi Algorithm on Testing Data Set
- 4) Output the tagging sequence with the highest probability

3 How it Works

The user inputs a Hindi Sentence in the space provided in the website. The sentence will be decomposed to its respective parts of speech and an output is obtained.

This output sentence contains the correct parts of speech tagging of the given sentence. The user can change the context and input another sentence then parts of speech will be displayed accordingly.