Abstract

POS tagger is the process of assigning a correct tag to each word of the sentence. We attempted to improve the accuracy of existing Punjabi POS tagger. This POS tagger lacks in resolving the ambiguity of a no of words as it uses only hand written Rules. A Bi-gram Model has been used to solve the part of speech tagging problem. An annotated corpus was used for training and estimating of bi gram probabilities.

- Agarwal Himashu, Amni Anirudh, "Part of Speech Tagging and Chunking with Conditional Random Fields"; in the proceedings of NLPAI Contest, 2006
- Sanjeev Kumar Sharma and Dr G S Lehal, "Improving Existing Punjabi POS tagger Using Hidden Markov Model"

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

POS tagger  bi-gram  n-gram  Punjabi tag set