Abstract

Natural Languages used by people for establishing proper communication consist of many words having multiple meanings known as polysemous but implies a single sense depending on the context. Word sense disambiguation is a method of determining the appropriate sense of a polysemous word in the context. WSD is almost finished for English. It is a challenging task for Indian languages since these are morphologically rich in nature and development of various resources like machine readable dictionaries, WordNet etc. are in progress. We have discussed the unsupervised Graph based WSD for English. Then, we have discussed the various efforts accomplished by several researchers to develop WSD systems for Indian languages like Hindi, Kannada, Malayalam, and Assamese. Finally, we have discussed about WSD for other Asian languages like Nepali, Arabic and Myanmar.

References

Word Sense Disambiguation Techniques for Indian and other Asian Languages: A Survey

12. Sreelakshmi Gopal, and Rosna P Haroon, Malayalam word sense disambiguation using Naïve Bayes Classifier, IEEE Conference HMI-2016
15. Manish Sinha, Pushpak Bhattacharyya et al, Hindi word sense disambiguation.
24. A. Zouaghi1, L. Merhbene2, and M. Zrigui2 Word sense disambiguation for Arabic language using variants of the Lesk algorithm, ICAI 2011

Index Terms

Computer Science

Information Sciences

Keywords

Knowledge based, Supervised and Unsupervised techniques, word sense disambiguation, Indian languages