Abstract

Sensitivity analysis is the process of doing a systematic review involving a sequence of parameter, feature set and decisions to calculate the impact of these parameters on the study. It will guide the researchers to evaluate the parameter to consider their relevance in the study. In this paper we consider two features out of seven tags which were employed to resolve the anaphora in Hindi. These tags and their values analyzed empirically for the corpus. We analyzed 165 news items of Ranchi Express from EMILEE corpus of plain text. It consists 1745 sentences. Eight files of dialogue base from the same corpus have been analyzed which will have 1521 sentences. We exploited tag set proposed by different authors and their features.

References

5. Dutta, K., Kaushik, S., Prakash, N., “Machine Learning Approach for the Classification of
Demonstrative Pronouns for Indirect Anaphora in Hindi News Items,” The Prague Bulletin of
6. Prasaad, R., Miltaski, E., Joshi, A., Webber, B., “Annotation and Data Mining of the Penn
annotation with coreferential links,” In The International Arab Journal of Information Technology
University of Lancaster, UK, (2002).
Anaphora Resolution: A Case Study of Hindi,” International Conference on Computer Design
Engineering and Technology (ICCDET 2014), vol:8 no:6 part XIX, pp 2011-2014, June 29-30,
2014 at London, United Kingdom.
10. Singh P., Dutta, K., “Analysis and Comparison of Antecedent Type of Demonstrative
pronoun in Context of Co-reference Resolution: A Corpus Based Study of Hindi for Monologue
and Dialogue,” Sixth IEEE International Conference on Computational Intelligence and
Communication Networks (CICN 2014), pp 536-540, 14-16 Nov. 2014, DOI 10.1109/122 537
DOI 10.1109/CICN.2014.122
considering indirect anaphora for Hindi”, IEEE symposium of NLP of International Conference
on Advances in Computing, Communications and Informatics (ICACCI, 2014),” pp 1710 - 1714,
parser to improve deep parsing,” In Proceedings of the 20th international conference on
Computational Linguistics (COLING ’04). Association for Computational Linguistics,
Stroudsburg, PA, USA, , Article 383 . DOI=10.3115/1220355.1220410
http://dx.doi.org/10.3115/1220355.1220410
13. Esteve, Y., Bazillon, T., Antoine, J. Y., Béchet, F., Farinas, J.,“The EPAC Corpus:
Manual and Automatic Annotations of Conversational Speech in French Broadcast News”. In
Proceedings of the Seventh conference on International Language Resources and Evaluation,
Valletta, Malta, may 2010. ELRA.
German Corpus TüBa-D/DC,” Proceedings of the Eight International Conference on Language
16. Botley, S., Mcenery, T., “Proximal and Distal Demonstratives A Corpus-Based Study,”
corpus-based study” MA dissertation, Lancaster University.

Index Terms

Computer Science

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Keywords

Coreference resolution; sensitivity analysis; Anaphora resolution; Annotation.