

Department of Computer Science and Engineering (Data Science)

Experiment No. 8
Implement word sense disambiguation using LSTM/GRU
Date of Performance:
Date of Submission:



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Aim: Apply Reference Resolution Technique on the given Text input.

Objective: Understand the importance of resolving references and implementing reference resolution for the given text input.

Theory:

Coreference resolution (CR) is the task of finding all linguistic expressions (called mentions) in a given text that refer to the same real-world entity. After finding and grouping these mentions we can resolve them by replacing, as stated above, pronouns with noun phrases.

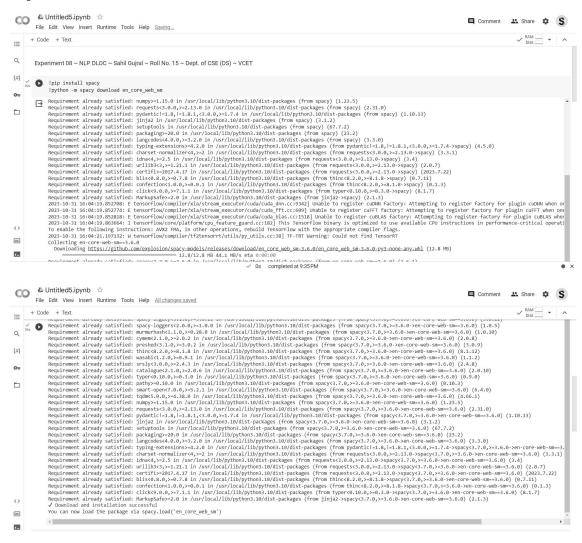
"I voted for Trump because he w	as most aligned with my values", John said.
"John voted for Trump because The sentence with resolved coreferences	rump was most aligned with John's values", John said.

Coreference resolution is an exceptionally versatile tool and can be applied to a variety of NLP tasks such as text understanding, information extraction, machine translation, sentiment analysis, or document summarization. It is a great way to obtain unambiguous sentences which can be much more easily understood by computers.



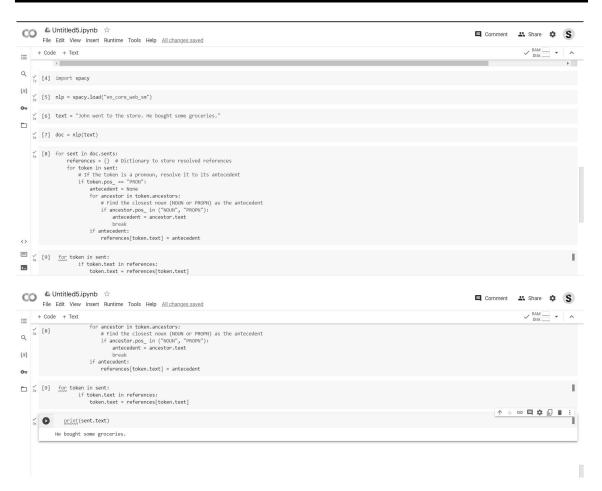
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Implementation:





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Conclusion: