

Master Thesis title / MAL izenburua

Adjective modelling in WordNet with latest innovations

Proposer(s) / Proposatzailea(k): names / izenak

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Description / Deskribapena

WordNet is a lexical database of semantic relations between words. WordNet links words into semantic relations including synonyms, hyponyms, and meronyms and is used in automatic text analysis and artificial intelligence applications.

The relations between synset in WordNet are continuously renewed and for the proper use of WordNet it is necessary to make modifications.

Goals / Helburuak

The objective of this task is to create new relations between adjective synsets by joining the criteria of WordNet (Miller, 1995) and GermaNet (Hamp & Feldweg, 1997)

Requirements / Betebeharrak

There are no requirements.

Framework / Esparrua

- Language Resources
- WordNet.

Tasks and plan / Atazak eta plana

- 1- Study the latest advances in Wordnet.
- 2- Design a methodology to join the two criteria
- 3- Test the created methodology
- 4- Propose a model for the adjectives
- 5- Evaluate the model in an NLP task and propose improvements for the future
- 6- Write up the report

References / Erreferentziak

Gonzalez-Dios, I., Alvez, J., & Rigau, G. (2020, May). Towards modelling SUMO attributes through WordNet adjectives: a Case Study on Qualities. In Proceedings of the LREC 2020 Workshop on Multimodal Wordnets (MMW2020) (pp. 1-6). ISBN: 979-10-95546-41-2

Hamp, B., & Feldweg, H. (1997). Germanet-a lexical-semantic net for german. In *Automatic information extraction and building of lexical semantic resources for NLP applications*.

Miller, G. A. (1995). WordNet: a lexical database for English. *Communications of the ACM*, 38(11), 39-41.

GermaNet adjectival modelling: [<http://www.sfs.uni-tuebingen.de/projects/ascl/GermaNet/adjectives.shtml>].