**Metaphor Identification and Interpretation with ... in NLP**

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Metaphor expressions appear broadly in daily life, furnishing vivid and concrete explanations for abstract experience and perception. In light of linguistic theories, a metaphor is identified if the literal meaning of a word contrasts with the meaning that word takes in this context. The computational realization of metaphor identification and interpretation is hence a crucial segment in the NLP translation field. Current word embedding based metaphor identification models may perform a decent performance, whereas the considering aspect of metaphor detection may be single. In this study, we propose to use a CNN-LSTM model. It consists of domain representation of each word from pre-training in big language datasets, which help to figure fine tone of the model.

We also propose an effective method at word-level with the addition of computational concreteness and origin differences between source words to destination words in a sentence. The process of our model incorporates two parts: first identifying the existence of metaphor among various sorts of words. Afterwards, transfer the metaphor word into the most suitable demotic word through word context.

Our model adopts three widely used metaphor datasets. U Amsterdam Metaphor Corpus (VUA): the largest publicly available metaphor dataset, MOH-X: sentences from WordNet, and TroFi: consists of sentences from the 1987-89Wall Street Journal Corpus. We evaluate the model with a plethora of data, performing that our model has an evident better result.

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