

New KnowNets

How to build word vectors associated to WordNet senses using word2vec?

(Maria) We can merge the information of both vectors, taking into consideration the information that only appear in both vectors.

(Sara)

We could build a word vector associated to one of the sense of a word:

- Using to train a corpora related with the sense of the word whose word vector we want obtain.
- Giving some words of the context when we are going to create the word vector, in order to indicate what is the sense that we want use.

(Mikel)

First run word2vec over words as it is commonly done and then, for each word sense, take a weighted combination of the vectors of other words related to the sense in question. For instance, we could take a weighted sum of the words in the topic signature of each word sense with a certain threshold.

(Dani)

We take the information associated with Wordnet sense, for example the gloss or some related synsets with any type of relations. For every mentioned input (synsets or glossed words) calculate word2vec vectors. Then we can merge the vectors and only output the words that appear a certain times (we can put an arbitrary threshold, for example 3) in some of the generated vectors.