

Abstract

The measurement of semantic relatedness play an important roles in NLP task. By using the knowledge bases and current method, the measurement of semantic relatedness could be done. Hybrid Method is one of the most popular method that used to measure semantic relatedness. Hybrid Method combine several methods in order to optimize correlation value. In this research, we implement the Hybrid Method in measuring lexical semantic relatedness between the pair of word. Hybrid Method will be implemented by combining two method that are often used, these method are Path-based Method and Gloss-based method. Path-based Method is semantic relatedness measurement method based on taxonomy that were defined in knowledge bases. While Gloss-based method measure the semantic relatedness based on description and the conceptual meaning of the word. Knowledge bases used is WordNet and the selection of Hybrid Method is intended to prove whether there is an increase of correlation by combining Path-based Method and Gloss-based method. Based on test scenario which is conducted, the correlation is higher compared with the one that only used one method. The correlation result in measuring semantic relatedness between words is 33.6%.

Keywords: Hybrid Method, Path-based Method, Gloss-based method, WordNet, semantic relatedness, correlation