

Abstract

This research presents a method to determine the relatedness of two words based on sentence meaning. Since a word possibly has several meanings based on its context, we use a sentence as a context boundary to scope its meaning. All glossary sentences of the considered words are converted to conceptual graph. Concept and concept relation nodes are matched and scored. There are five relations used for comparison i.e. synonym, hypernym, hyponym, antonym, holonym and meronym. The word relatedness scores are accumulated for sentence relatedness score. The evaluation results compared to the conventional methods reveal the significant improvement.