Abstract

Finding semantic similarity between short biomedical texts, such as article abstracts or experiment descriptions, may provide important information for health researchers. This paper presents a method for calculating text similarity in the biomedical context. The method implements a pairwise concept semantic similarity measure that uses concept definitions and ontology structure. The respective results have demonstrated an improved performance in comparison with a previous version of the method using lexical-based measures as similarity function, as well as with other alternative tools for measuring text similarity.

References

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Improving Semantic Similarity for Pairs of Short Biomedical Texts with Concept Definitions and Ontology Structure

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Index Terms

Computer Science

Applied Sciences

Keywords

semantic text similarity knowledge discovery text mining