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

- J. Chen, R. Chau, and Ch-H. Yeh. Discovering parallel text from the world wide web.
- G. Wade. SNOMED CT: The Clinical Data Standard. Overview and Application to eHRs, 2013.

**Index Terms**

Computer Science

Applied Sciences

**Keywords**

semantic text similarity  knowledge discovery  text mining