

## Biomedical Definition Extraction Using Machine Learning with Synonymous Feature

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**Abstract :** OOV (Out Of Vocabulary) terms are terms that cannot be found in many dictionaries. Although it is possible to translate such OOV terms, the translations do not provide any real information for a user. We present an OOV term definition extraction method by using information available from the Internet. We use features such as occurrence of the synonyms and location distances. We apply machine learning method to find the correct definitions for OOV terms. We tested our method on both biomedical type and name type OOV terms, our work outperforms existing work with an accuracy of 86.5%.

**Keywords :** information retrieval, definition retrieval, OOV (out of vocabulary), biomedical information retrieval

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