Automated Ontology Matching using Cross-lingual Embeddings

Anonymous ACL submission

Abstract

This document contains the instructions for preparing a camera-ready manuscript for the proceedings of ACL 2019. The document itself conforms to its own specifications, and is therefore an example of what your manuscript should look like. These instructions should be used for both papers submitted for review and for final versions of accepted papers. Authors are asked to conform to all the directions reported in this document.

1 Introduction

Это исторические статьи смежной тематики
There are numerous structured information representations containing texts. Among them we can name ontologies, taxonomies, lexical databases such as WordNet. Most of them exist only for English. Many researchers have tried automatically converting such resources into their languages. Mostly attempts were focused on using machine translation engines. [] !!!!!! With the increase in popularity of word embeddings [] !!!!!! some researchers proposed cross-lingual word embedding models. However, most of the early works in this domain relied on massive parallel corpora. In 2017

2 Related work

Это статьи на ту же тему.

3 Methods

3.1 Representing ontologies as embeddings

3.2 Graph Matching

3.2.1 Hungarian

3.2.2 Greedy

4 Data

4.1 Taxonomies

NIGP

OKPD2

4.2 WordNet

5 Experiments

разные синсеты одного слова можно замат-чить с помощью иерархической информа-ции

6 Results

6.1 Taxonomy matching

7 Discussion

8 Conclusion