

Modeling Text and Language

6.1 Natural Language Processing

Relation extraction means that a system processes a text and can _____.

The ELIZA chat bot works by _____.

Preprocessing is crucial in language processing because _____.

The difference between stemming and lemmatization is _____.

6.2 Bags of Words

The main aspect of bag-of-words models is that _____.

The issue with topic modeling and its resulting word lists is that _____.

6.3 Language Models

The goal of language models is to _____.

A 3-gram sequence of the sentence "I am watching a movie" would look like this: _____.

6.4 Words as Vectors

The closer words are in a semantic space, the _____.

Documents can be represented as word vectors in order to _____

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Cosine similarity means that _____.

The inverse document frequency factors in _____

_____. This is important because _____

Word2vec makes it possible to do algebraic operations on the vector representations of words to _____

_____.