Learning Semantic Similarity in a Continuous Space

Project Software Contract

1. Infering and learning intents.

Input

Pair of Sentences

(s, s’)

(training)

Sentence Representation

(Sequence of Word Vectors)

s’= w’\_1, w’\_2, …, w’\_|s|

Sentence Representation

(Sequence of Word Vectors)

s = w\_1, w\_2, …, w\_|s|

(infering)

LSTM decoder

Bi-LSTM encoder

1. Learning semantic similarity in a latent continuous space.

2-layer MLP

Wasserstein 2 tensor

Hadamard product

Bi-LSTM encoder

Sentence Representation

(Sequence of Word Vectors)

s’= w’\_1, w’\_2, …, w’\_|s|

Sentence Representation

(Sequence of Word Vectors)

s = w\_1, w\_2, …, w\_|s|

Bi-LSTM encoder

Input

Pair of Sentences

(s, s’)

(training) (infering)

Output: Similarity, Entailment