



Deep Learning Project

Questions Similarity with Siamese Neural Networks

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Objective

The objective of this project is to build a system for learning question similarity with Siamese Neural Networks. Question retrieval task has recently received wide interest especially with the development of platforms like Quora and Stackoverflow. Then, checking if a similar question has already been posed and answered by the community is very important for the end users.

Data

The data to be used for training and testing is Quora Question Pairs Dataset. This dataset can be downloaded from this link:

http://qim.fs.quoracdn.net/quora_duplicate_questions.tsv

Description

The architecture of the system is described in the paper cited in the reference, and its schema is depicted in figure 1. The system will be tested only for English, even if the paper is also concerned with Arabic.

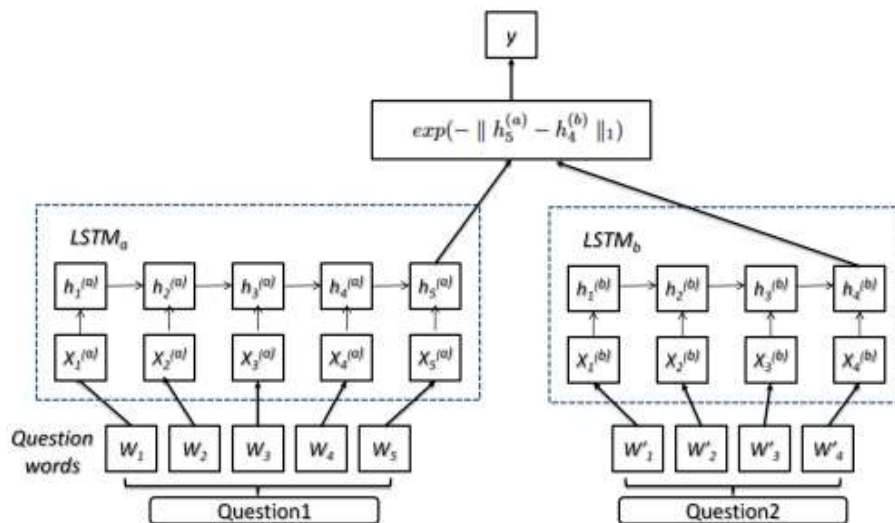


Figure 1: General architecture of the MaLSTM model

This project is based on the implementation of work performed by the authors of the paper cited in the reference, but you can extend it with your personal ideas.

Deliverable

Code repository: Jupyter notebook including plus of the code explanations about your methods and algorithms.

Reference

[Manhattan Siamese LSTM for Question Retrieval in Community Question Answering](#)