First Draft: Brief Description of Research Proposal

TITLE: Application of Neural Networks for Question Answering over Knowledge Base

Abstract

In the study, recurrent neural networks will be applied to understand questions and generate corresponding answer entities from knowledge base basing on the questions’ and knowledge base’s embeddings.

Proposed Architecture

In this study we introduce a two column RNN for identifying the latent semantics between Natural language questions and knowledge base triples.

We define the question-answering problem in three aspects namely; entity detection, relation detection and finally understanding the entity and relation semantics that are then matched to the existing ones in the knowledge base.

