

Chatbots with Deep Learning

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Bachelorarbeit

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Erklärung

Hiermit versichere ich, dass ich diese Bachelorarbeit selbstständig verfasst habe. Ich habe dazu keine anderen als die angegebenen Quellen und Hilfsmittel verwendet.

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Abstract

Deep learning methods are becoming more and more popular in solving problems of artificial intelligence. Different deep learning approaches for chatbots and their advantages and disadvantages respectively are discussed in this bachelor thesis.

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1 Introduction

QANet is a state of the art neural network for solving the question answering problem with a single which does not use any recurrent neural nets(RNN) as most of the other state of the art approaches. As RNNs take a lot of time to train this is a advantage in performance. I am trying to use this new architecture in a chatbot where state of the art models use RNNs to see what performance improvement is reached by this.

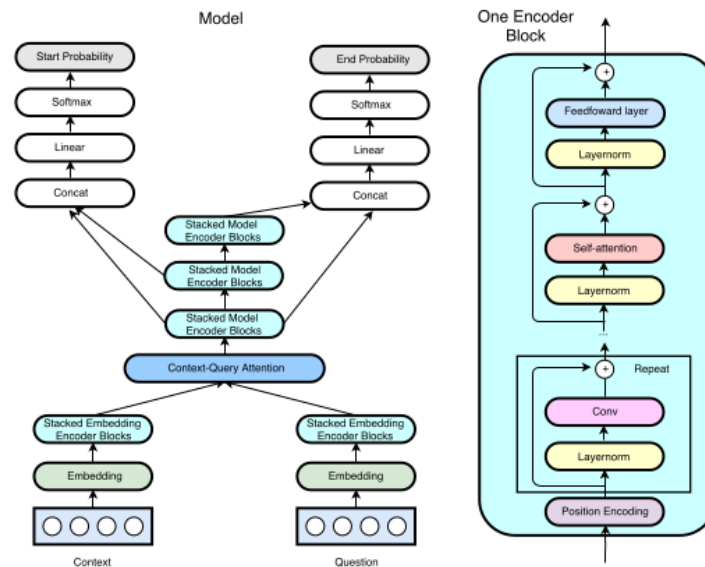


Figure 1: An overview of the QANet architecture

2 Weiteres Kapitel

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