

Giving Machines Memory and Focus: Evaluating Attention-Based and Memory-Based Neural Network Models on Large Q&A Datasets

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December 12, 2015

Abstract

This is what the project is about

1 Introduction

Question Answering tasks are some of the most basic in machine.

The very recent advancements in deep neural networks, particularly those with attention-mechanisms, have shown great

Therefore, for this project, the goal is to evaluate some of the more recent neural network architectures on larger datasets.

2 Approaches

2.1 GRU Encoder

The baseline algorithm was a simple GRU encoder.

2.2 Memory Network

More recently, the Memory Network was described in [4] as an End-to-End algorithm. This is important because it means that the algorithm only requires (*text*, *question*, *answer*) tuples instead of relying on fact annotations.

2.3 Dynamic Memory Network

3 Datasets

One of the

3.1 Babi Tasks

The Babi Tasks are a set of 20 tasks created by researchers at Facebook. The motivation behind the task

References

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