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(57) Abstract :

[06] Question Answering (QA) system is one of the primary research areas in Natural Language Processing (NLP), which generates the precise answers automatically for the questions given by the users using the natural language. Memory networks works efficiently with both inference components and long term memory component to predict answers from the story text for a specific question. In our earlier work we evaluated the performance of MemN2N network with complex and easy question answering tasks and found that the MemN2N fail to produce good results with some complex QA tasks of bAbI dataset. This work intends to improve the performance with our earlier BiMemN2N\_I with the state of the art improved Bi-Model End to End memory network (BiMemN2N\_II) model for such complex QA tasks and compare its performance with the standard MemN2N model and our previous BiMemN2N\_I. In this work, an improved Bi-model MemN2N Network based question answering system is implemented. The performance of the system is evaluated with a complex question answering tasks from the bAbI dataset. The results of three question answering tasks are also observed. Accompanied Drawing [FIG. 1] [FIG. 2] [FIG. 3] [FIG. 4] [FIG. 5] [FIG. 6] [FIG. 7] [FIG. 8]

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