

Identify Where to Focus in Reading Comprehension for Neural Question Generation

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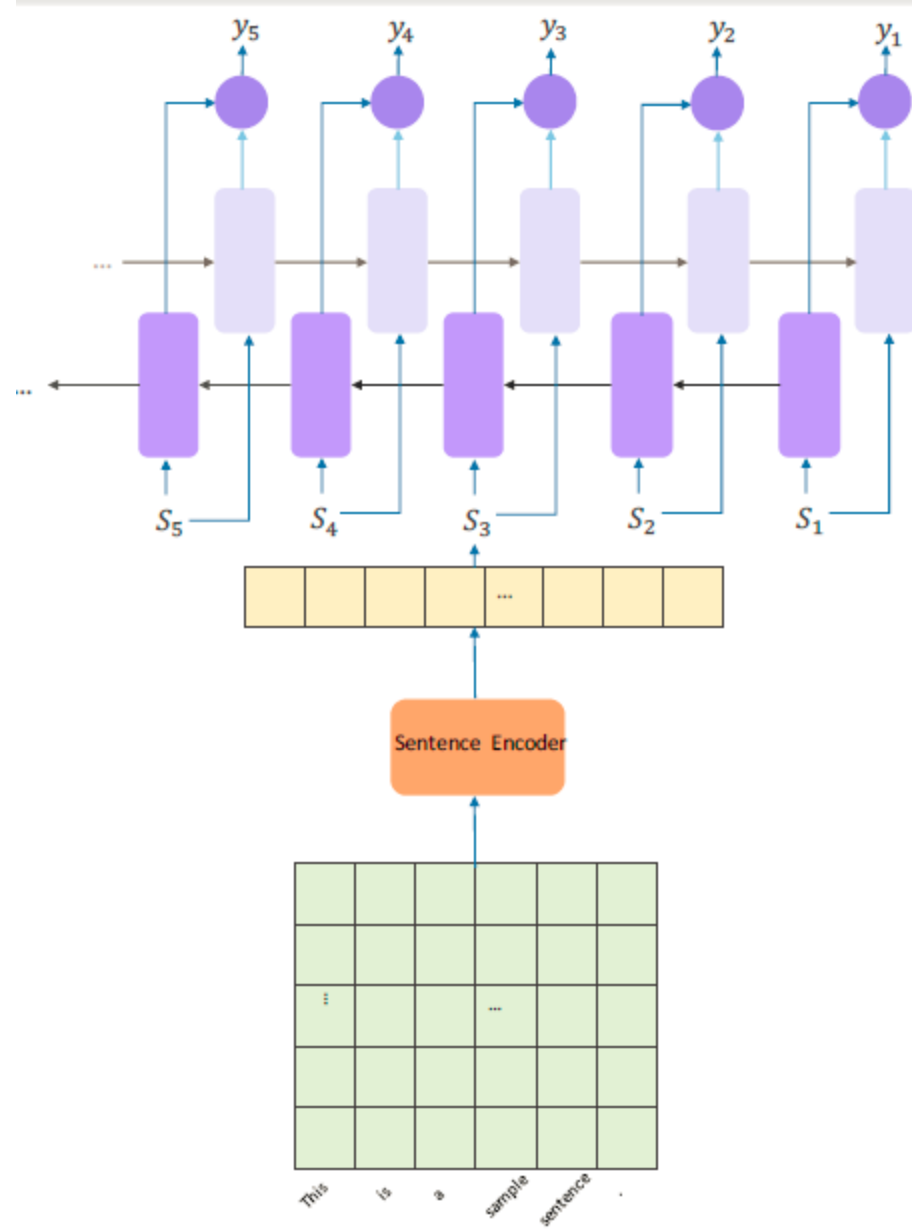
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Motivation

For passage-level question generation (QG), we should know where the passage focus on to generate questions.



Important Sentence Selection

Steps:

- Encoding for every sentence in passage (vector sum or CNN operation)
- Feeding the encoding results to another bi-lstm classification (binary 0-1) to decide this sentences whether should focus.

Training data: The sentences including answer spans be as Positive, otherwise be as Negative. (Squad)

Question Generation

Att seq-to-seq

Step:

- Encoding for input sentence
- Decoding for encode result to generate question

Training data: (S,Q) S is the sentence including the answer span of Q.

Conclusion

This paper proposed a hierarchical neural sentence labeling model and the QG system outperforms previous approaches by using this sentence selection model.