是非題之支持證據檢索

Supporting Evidence Retrieval for Answering Yes/No Questions

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摘要

本篇論文提出了一個新的支持證據擷取方法，也就是給定一個文件，在回答是非問題時，從中找到相關的句子。本研究使用 n-gram 匹配的方法，根據問題的內容找到相關的課文片段。跟以前的方法相比，此種模型更有效率而且更容易實作。本研究以台灣小學社會課本的是非問題做測試。實驗結果顯示本方法的效果比知名的 Apache Lucene 搜尋引擎高 5%。

Abstract

A novel approach for retrieving the supporting evidence, which is a question related text passage in the given document, for answering Yes/No questions is proposed in this paper. It locates the desired passage according to the question text with an efficient and simple n-gram matching algorithm. In comparison with those previous approaches, this model is more efficient and easy to implement. The proposed approach was tested on a task of answering Yes/No questions of Taiwan elementary school Social Studies lessons. Experimental results showed that the performance of our proposed approach is 5% higher than the well-known

Apache Lucene search engine.

關鍵詞：信息檢索，支持證據檢索

Keywords: Information Retrieval, Supporting Evidence Retrieval