

Suleiman D., Awajan A., 2017. Bag-of-Concept Based Keyword Extraction from Arabic Documents. Proceedings of the 8th International Conference on Information Technology. IEEE technically sponsored Conference, 16-18 May 2017. Amman- Jordan.

Abstract

This paper proposes a new keyword extraction method that uses bag-of-concept to extract keywords from Arabic text. The proposed algorithm utilizes semantic vector space model instead of traditional vector space model to group words into classes. The new method built word-context matrix where the synonym words will be grouped into the same class. The evaluation of new approach was conducted using dataset which consists of three documents and compared with Keyword Extraction from Arabic Documents using Term Equivalence Classes method; experimental results showed that the proposed method provides significant results.