



A Text Mining Decomposition of UK-China Mutual Explanation in 2010-2012

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Abstract

The text mining method is widely applied to information management on websites, biological data and customer relationship management. As for the studies of UK-China joint statements in 2010 and 2012, few analyses were related to text mining. The text mining method in this study is implemented by means of the text processing function of the KNIME software. The KNIME (Konstanz Information Miner) software is the open source software created by the Konstanz University in Germany. The study uses the KNIME software to analyze the UK- China joint statements in 2009 to 2011 [4] and then uses the comparative method to explore the changes of keywords in order to find the change of the focus in the joint statements. The KNIME text processing plugin follows the procedure: Parsing: The text and the structure were extracted and represented in a data structure. BoW(Bag of Words) Creator: This node creates a bag of words (BoW) of a set of documents. Tags to String: this node converts the term's tag values of the specified tag types to strings for each selected tag type a column is appended, containing the strings representation of the corresponding tag value.

Keywords: Mutual explanation; mining decomposition; KNIME; BoW