

عنوان مقاله:

XMLCMAP: A Tool for Combining Concept Maps for Automatic Knowledge Extraction

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خلاصه مقاله:

Nowadays there are various ways to represent knowledge among which the concept mapping technique is the one of the most practical of all and the usage of concept mapping to represent a subject keeps increasing day by day. The important problem is the lack of an adequate tool to automatically extract the present knowledge from concept maps and also the absence of a tool to combine these maps in order to find new knowledge or to produce comprehensive maps. The current paper introduces a tool called XMLCMAP which has four essential abilities: saving and retrieving the concept maps with XML format; Automatic extraction of existing knowledge from a concept map; the combination of the maps to produce a comprehensive map; and getting new knowledge from previously combined maps. The function of this tool is based on converting maps to XML structures, processing these XML structures, and doing some queries. This tool which has an important role in knowledge extraction is able to make comprehensive maps quite quickly according to the needs of the users. At the end of this paper, the degree of tool performance is assessed and the results and future works are cited.

کلمات کلیدی:

Concept Mapping Technique; XML; Knowledge; comprehensive map

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