Data Management

Issues, Challenges and Opportunities

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DATA MANAGEMENT: ISSUES, CHALLENGES AND OPPORTUNITIES

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18. EMPLOYING MACHINE LEARNING ALGORITHMS TO EXTRACT ISLAMIC KNOWLEDGE

Kawther A. Aldhlan, Ahmed M. Zeki and Akram M. Zeki

ABSTRACT

The increased attention to automate the Islamic resources like the Qur'an, Sunnah and traditional books, motivates researchers to look for mechanisms that can represent or extract the knowledge of these resources. The electronic resources are easy to access, easy to comprehend and easy to retrieve. The current study presents literature review of computerized Islamic resources. These efforts can form foundation to construct Islamic e-learning system; especially most of the used tools are used also to create such curriculums.

18.1 INTRODUCTION

The Qur'an and Sunnah certainly contain knowledge of the past and the future. Meanwhile, traditional books are contributed efforts to explain and demonstrate such issues in Islam, the emergence of representing and extracting Islamic knowledge is not the only aims of the computer scientist in this field, the effectiveness and validation are essential requirements to success these ideas. Various methods are used for representation and sophisticated techniques such as data mining are used for extraction, this study sheds light on the efforts of digitized Islamic resources.