

Efficient Manageability and Intelligent Classification of Web Browsing History Using Machine Learning

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Abstract : Browsing the Web has emerged as the de facto activity performed on the Internet. Although browsing gets tracked, the manageability aspect of Web browsing history is very poor. In this paper, we have a workable solution implemented by using machine learning and natural language processing techniques for efficient manageability of user's browsing history. The significance of adding such a capability to a Web browser is that it ensures efficient and quick information retrieval from browsing history, which currently is very challenging. Our solution guarantees that any important websites visited in the past can be easily accessible because of the intelligent and automatic classification. In a nutshell, our solution-based paper provides an implementation as a browser extension by intelligently classifying the browsing history into most relevant category automatically without any user's intervention. This guarantees no information is lost and increases productivity by saving time spent revisiting websites that were of much importance.

Keywords : adhoc retrieval, Chrome extension, supervised learning, tile, Web personalization

Conference Title : ICAN 2016 : International Conference on Access Networks

Conference Location : Paris, France

Conference Dates : August 22-23, 2016