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Breakout group 6. Access Data Mining: A new foundation for Added-value services in full text repositories.

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Summary

Users have many different needs and interests. Sometimes they are exploring the unknown at other times they would like to revisit some document vaguely remembered. Bibliographies, compilations of highly frequented works, lending records and many other methods were and will be employed to guide researchers towards the publications sought after.

In the realm of electronic publications user behaviour can be observed in new ways. For example it is possible to track the browsing path of a visitor, a user's history is no longer confined to objects actually lended.

Furthermore metadata describing and identifying the documents is obtainable just as easily. Many people are convinced that the combination of these types of data can yield great results, simplifying library searches, shedding light on the shadows of the deep web, or more generally speaking: Giving the user what he really needs. Two of the most outstanding applications of this paradigm are Amazon Recommendations and Google Search String Recommendations. Both are implemented to some extent in some repository solutions, but there is no doubt, that there are other services of which no one has thought before.

The breakout will be divided into four sections:

  Free production (brain storming) of -preferably data based- possible Added-value Services   Integration of brainstorming results with ideas gathered in advance by the moderator Estimation of the utility of the elements in the combined set of possibilities Critical evaluation of the possibilities

The results of the breakout group is part of an array of empirical investigations addressing the issue.

Readings:

  Miller, P. (2005) Web 2.0: Building the New Library. Ariadne 45, October 2005. [fulltext]

 Bollen, J., Nelson, M., Geisler, G. Araujo, R. (2007) Usage derived recommendations for a video digital library. Journal of Network and Computer Applications. 30(3), 1059-1083. DOI: doi:10.1016/j.jnca.2005.12.009 [fulltext]

 Montaner, M., López, B. de la Rosa, J. (2003) A Taxonomy of Recommender Agents on the Internet. Artificial Intelligence Review. 19(4), 285-330. DOI: 10.1023/A:1022850703159 [fulltext]

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