Automatic Generation of a Formal User Profile Depending on Several Factors

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Abstract

The search for information is not a recent activity. It's a newly rediscovered activity as his control seems to be more and more required. Finding information quickly and efficiently is, in fact, extremely important.

The information research systems tend to customize access to information. They have for objective to issue to the user information that is relevant and appropriate to its preferences, its centers of interest or more its overall profile. The information research systems tend mainly to model the user according to a profile and then to integrate it into the chain of access to information, in order to better respond to its specific need.

This paper presents a technique of implicit construction of the user profile that is inscribed in a formal approach using the behavior of the user as a source for predicting implicitly his need. This technique focuses particularly on the interaction of the user with the information search
system as well as its geographical affiliation, its linguistic affiliation and the date of the interaction.

References


Index Terms

Computer Science Information Sciences

Keywords
User Profile, formal context, Customizing, information retrieval systems (IRS).