A Method of Using Experts' Life Logs to Enhance Users' Motivation

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Abstract

In this paper, we propose a method of enhancing a user's motivation to improve his/her level of skill in a given field. Currently, because of the reduced size of various sensors and the smaller number of handheld devices on board them, it is becoming easier to collect life logs in the real world such as those for GPS, acceleration data, and pictures. On the other hand, because of the appearance of blogs, social network services (SNSes), and Twitter, it is becoming easier to collect life logs in cyberspace. Under these circumstances, "expert" users are appearing who record know-how in and release it from a life log in an attempt to achieve certain aims. Also appearing are users who are affected by experts and who also make efforts to achieve aims by recording know-how in a life log. We here report our attempt to achieve a method of enhancing users' motivation to start making self-active efforts in this regard. The method is to automatically select experts who can inspire users and be a good reference for them, then to present the experts' life logs to the users. To achieve this, we propose a quantitative evaluation index between the life logs of experts and users from the viewpoints of similarity and difference. The greater the difference between the user's current level of skills and the expert's level of skills is, and the greater the similarity between the user's current feature quantity and the expert's past feature quantity is, the higher the proposed index becomes. Experiments in presenting experts' life logs to users to enhance the users' motivation verified the possibility that the higher the proposed index of experts is, the higher is the rate achieved of motivating users to start self-active efforts.