Abstract

A recommender system in an e-learning context is a software agent that tries to "intelligently" recommend actions to a learner based on the actions of previous learners. This recommendation could be an on-line activity such as doing an exercise, reading posted messages on a conferencing system, or running an on-line simulation, or could be simply a web resource. These recommendation systems have been tried in e-commerce to entice purchasing of goods, but haven’t been tried in e-learning. This paper suggests the use of web mining techniques to build such an agent that could recommend on-line learning activities or shortcuts in a course web site based on learners’ access history to improve course material navigation as well as assist the online learning process. These techniques are considered integrated web mining as opposed to off-line web mining used by expert users to discover on-line access patterns.


Gil, A. B., and García-Peñalvo, F., J., "Learner Course Recommendation in E-Learning Based on Swarm Intelligence," Department of Computer Science, Sciences Faculty University of Salamanca, Salamanca, Spain, 2008.


VAN Meteren, R., and van Someren, M. Using content-based filtering for recommendation.

Index Terms
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