A Recommendation System Operating after Assessment to Correct Learning Paths in a Content Adapting System

Abstract

In this paper we present a model of an adapting learning system based on a recommendation system, operating after assessment to correct learning path of the learners who have experienced difficulties in the assessment. The approach aims to correct the learning path of the learners who have failed at the assessment, by calculating the similarities in behaviors between them and those who did, then recommend them the learning objects that can build the most relevant learning path.

References

- Brusilovsky, P., Milln, E. (2007) User models for adaptive hypermedia and adaptive...
- Paraskevi Tzouveli Phivos Mylonas, Stefanos Kollias, An intelligent e-learning system based on learner profiling and learning resources adaptation, National Technical University of Athens, School of Electrical and Computer Engineering, Athens, Greece. Received 7 February 2007; received in revised form 4 May 2007; accepted 4 May 2007.
- Boyan Bontchev and Dessislava Vassileva Courseware Adaptation to learning styles and knowledge level, Department of Software Engineering, Sofia University, Sofia Bulgaria.
- Botchev et Vassileva 2011.

- Stephanie Jean-Daubias, Thi-Thu-Hong Phan, Different levels of modeling for learner profiles,
- Sabine Graf and Kinshuk Providing Adaptive Courses in Learning Management Systems with Respect to Learning Styles, Vienna University of Technology Women&apos;s Postgraduate College for Internet Technologies Vienna, Austria Athabasca.
A Recommendation System Operating after Assessment to Correct Learning Paths in a Content Adapting System

- Popescu, Diagnosing Students Learning Style in an Educational Hypermedia System, Software Engineering Department, University of Craiova, Romania Str. A. I. Cuza nr. 13, 200585 Craiova, Romania 2009.
- David Kolb, Experiential learning: experience as the source of learning and development 1984.
- Richard M. Felder and Joni Spurlin Applications, Reliability and Validity of the Index of Learning Styles, 2005
- Verret and Chevallard, Transposition Didactique, 1985,1991
- Conseil Supérieur de l'Éducation, (CSE, 2001 dans Caron, 2003
- Halina Przesmycki, la pédagogie différenciée, 2004, Hachette
- Miguel Latorre and al, "An experience on learning object reutilization based on educational resources developed, 2009.
- Self-directed learning: a four step process, Centre for Teaching Excellence, University of
A Recommendation System Operating after Assessment to Correct Learning Paths in a Content Adapting System

Waterloo. Available Online: https://uwaterloo.ca/centre-for-teaching-xcellence/teaching-resources/teaching-tips/tips-students/self-knowledge/understanding-your-learning-style

Index Terms

Computer Science
Information Sciences

Keywords

Content adapting system; Recommendation System; Learning Path; Learning Style; Learning Object.