Abstract

Essam Kosba

Using Student and Group Models to Support Teachers in Web-Based Distance Education

The paper illustrates how student modeling; advice generation methods can be used to address problems experienced in Web-based distance education courses. We have developed the TADV (Teacher ADVisor) framework which builds student models based on the tracking data collected by a course management system; uses these models to generate advice to the course instructors, so that they can improve their feedback; guidance to distance students. The paper introduces TADV, describes how student, group; class models are used for generating advice to the teachers; discusses the viability of this approach based on an evaluative study with users.