Posters
Educational Applications   Monday, August 12, 12:00 - 13:30

How to improve learning from video, using an eye tracker

Jelle de Boer

Institute of Communication & Media, Hanze University of Applied Sciences

Video is increasingly used as an instructional modality in education. Therefore it becomes more important to improve the learning process of students from video lessons. Sometimes, the only way to interact with the video is through the control buttons of a media player. This gives students only a few standard options to interact (start and stop) with the video, hardly supporting the learning process of students.

In our experiments, we used an eye tracker to test a new model that addresses both the stylistic and strategic components of students' viewing behaviors. We applied this model on a group of 115 students to see whether the learning effects differ among students with different viewing behaviors.

Results show that learning from video can be improved in some areas. One of them is improving the videos itself. We will present some guidelines in the oral presentation. Moreover, the integration with the learning tasks of a student can be improved. Some examples - recorded with an eye tracker - will be shown of viewing and learning behaviors.

Contact information: je.de.boer@pl.hanze.nl