

Presentation of the paper “Can we apply learning analytics tools in Challenge Based Learning contexts?” in HCII 2017

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Abstract

This is the presentation of the paper entitled “Can we apply learning analytics tools in Challenge Based Learning contexts?” in the Emerging interactive systems for education session at the HCI International 2017 Conference, held in Vancouver, Canada, 9 - 14 July 2017.

The information and Communication Technologies changes how we interact with others and with the information. It can be really accessed at anytime and anywhere. Future professionals should be ready for this reality which requires changes in traditional teaching and learning methods. Challenge Based Learning is an example of them. This method poses challenges to students that they should solve employing the technology they use during their daily life. The evaluation of challenges solutions should take into account students' final outcomes but also the interactions that take place between them. This could be very hard given the wide choice of tools that students can apply. Learning analytics tools could be a solution. This work reviews and classifies the tools applied in several Challenge Based Learning experiments and describes different possibilities to apply Learning Analytics. From this research, it is possible to conclude that Learning Analytics can be applied in Challenge Based Learning contexts, but it is desirable to use a single platform to group the tools employed to solve the challenge.

Keywords

Challenge Based Learning; tools; Learning Analytics; learning evidences

Link to the presentation

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