EXPERIMENTAL RESEARCH IN TWO COHORTS OF LEARNING: A CASE STUDY OF ELDa

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Background:

Online education systems with open environment have evolved around the world and have been highly publicised. However, many people who register are not completing the course, leading to the high dropout rates widely reported in research papers and in the media. Alarmingly low completion rates have been identified as one of the major problems within Massive Open Online Courses (MOOCs). Our research introduces a new learning platform known as ‘eLDa’, designed to investigate and mitigate against the problem of low achievement in a MOOC.
**Methods:**

The research will monitor the participants’ understanding of the learning system design with investigation on how the concepts and lessons were engaged with, are participants willing to follow the instructional prerequisites routes suggested to them by the system or they decide otherwise. Experimental research will be conducted in comparison of the two cohorts within the learning platform, which will be evaluated concurrently based on the responses from the participants. There will be survey questions in each lesson session and pre & post surveys will be collected. The pre-survey will gather the initial data to get proper understating of the participants experience, goals and desires. The post-survey will present results of the participants’ achievements and opinions at the end of the course.

**Results** *(preliminary and pending results also accepted):*

Pilot in progress & pending analysis results.

**Conclusion & Impact:**

eLDa learning system as a new and novel e-learning platform will be able to tract learners learning patterns and provide course contents to the learner in form of lesson prerequisites. Finally we will observe to what extend our eLDa platform helps in improving self-regulated study habits amongst participants.

**Keywords:** eLDa, MOOC, Instructional prerequisites, self-regulation, e-learning

**Short Bio** *(50 words max.)*

I am a 3rd year Doctorate student (PhD) in the department of Computer Science at The University of Warwick. My research group is Intelligent & Adaptive Systems.