



THE POSITIVE IMPACTS OF USING DATA VISUALIZATION TO MONITOR ONLINE EXAMS IN GEOGRAPHY EDUCATION

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ABSTRACT

Online tests and classes are becoming widely adopted systems in academic institutions. This is quite a recent phenomenon whereby I have had the opportunity to experience the transition of using these online systems in geography classes. From teaching in a traditional classroom setting to using online systems such as ETUDES at the community college level (teaching at two community colleges in the Los Angeles Community College District) or CLE (teaching classes at UCLA) for hybrid as well as online classes within a matter of a couple of years, I have been able to witness the advantages and disadvantages of both systems. Online classes and exams are becoming a prevailing practice in education. Because they are being used more widely, it is imperative to assess student learning behavior based on how they perform on varying test structures in order to improve the system of testing.

I discuss the positive effects of using data visualization and specific techniques I used to detect patterns of learning behavior for students taking in-class and online exams.

Keywords: exam, Internet, systems, pattern, data visualization