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## EDUCATIONAL DATA MINING IN DISTANCE EDUCATION: A SYSTEMATIC LITERATURE MAPPING STUDY

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## **ABSTRACT**

The education-training process and all activities related to this process have the power to direct the future of society. Nowadays, online distance education with rapidly spreading information and communication technology can overcome the various problems of traditional face to face education. It is a practical training system especially for women who do not work in our country. From this point of view, the process should be analyzed frequently concerning input, output, and other process elements. System requirements, changes in users' demand over time and open system design depend on changes in demands are essential factors to achieve maximum performance from the system at the design of web-based distance education systems. In web-based education, the restructuring of courses or contrary pages with taking into account individual differences provides a determination of individual needs and the best way for the adaptation of learners. Educational data mining is a multidisciplinary research area that develops methods and techniques for discovering data derived from various information systems used in education. This systematic mapping study aims to provide an overview of the current work of educational data mining practices in distance education. In this study, various search engines were used to search the academic literature. This systematic map and its results are based on 140 primary sources that involve articles published in conferences, articles published in the magazines, symposium articles, theses, and others.

Keywords: Distance education, Educational data mining, Systematic literature mapping