



Análisis de la Brecha Educativa por Pandemia de los Estudiantes de Bachillerato Utilizando Inteligencia de Negocios [

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text (article)

Analítica

The COVID-19 pandemic had a profound impact on various sectors worldwide, including education. In Ecuador, virtual learning was not easy; many students, especially those from marginalized sectors, did not have access to online education. Due to the unexpected nature of the event, many educational institutions were forced to improvise to adapt to the situation, hastily implementing teaching methodologies without sufficient training and resources. The aim of this research is to determine the impact of the digital gap on the learning of high school students in the urban sector of Azogues canton, through business intelligence methods and tools that enable informed decision-making. A descriptive analysis of historical information related to academic performance before, during, and after the pandemic to identify the period in which the educational gap occurred. Using properly validated observation instruments, factors associated with learning deficiencies related to the lack of technological resources, inadequate implementation of teaching strategies, and emotional aspects of students were identified. The results demonstrate the impact of the pandemic on the quality of education while providing a reference point for aspects that should be considered in a virtual environment to promote student empowerment and the achievement of learning outcomes set. The multidimensional model of the study will enable competent authorities to have a monitoring and performance tracking tool for continuous informed decision-making.

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