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(57) Abstract :

The invention helps in analyzing and modeling platforms in order to predict and minimize student dropouts in the geography of India. It predicts the risk of dropping out of school using machine learning techniques on the provided demographic and academic data and visualizes the results on interactive maps and dashboards. The platform prescribes focused strategies, offers targeted NGOs and related government programs, and curates documented successful cases of improved retention strategies. This provides evidence-based school retention plans to authorities and NGOs focused on advancing educational equity

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